

**GENERAL NOTIFICATION**  
**Civil Engineering Department**  
**OIL INDIA LIMITED**

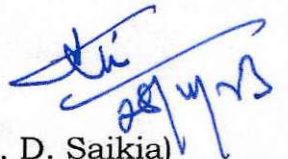
**OIL's Schedule of Rates (SOR)**

Ref: GM-(Civ.).3/34-2247/2023

Date: 28.11.2023

This is for general information to all OIL's Registered Civil Contractors that OIL's SOR has been revised with latest labour wages and basic rates from DSR 2023 and thereby uploaded in OIL's website under "For Vendors" tab (<https://www.oil-india.com/1General-notification1>). It may kindly be noted that the minimum labour wages w.e.f. 01.10.2023 as per Circular Ref. No. CONT/HOD/H/634/2023-24 dated 26.10.2023 has been adopted in the prevailing SOR which are as follows:

- Unskilled labour: ₹ 504
- Semi-skilled labour: ₹ 589
- Skilled labour: ₹ 709
- Highly skilled labour: ₹ 832

  
(D. D. Saikia)

**GM-Civil (HoD)**

**For Resident Chief Executive**

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**OIL INDIA LIMITED**  
Civil Engineering Deptt.  
SOR\_CPWD\_OIL W.E.F 15.11.2023

| Item No.               | Description                                   | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|------------------------|---|------|--------|----------|------------------|---|
| <b>02 : EARTH WORK</b> |   |      |        |          |                  |   |
| 10.                    | SURFACE EXCAVN. ALL SOIL - DEPTH UPTO 30 CM   | M2   | 72.59  | 1        | 2.1.1            | :Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :All kinds of soil   |
| 20.                    | E/W IN ROUGH EXCAVN. BANKING EARTH IN LAYERS  | M3   | 587.79 | 1        | 2.2.1            | :Earth work in rough excavation, banking excavated earth in layers not exceeding 20 cm in depth, breaking clods watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal and dressing up in embankments for roads, flood banks, marginal banks etc., lead upto 50 m and lift upto 1.5 m. |
| 30.                    | BANKING EXCAVATED EARTH IN 20 CM THICK LAYERS | M3   | 371.20 | 1        | 2.3.1            | :Banking excavated earth in layers not exceeding 20 cm. in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m. All kinds of soil.   |
| 40.                    | DEDUCT FOR NOT ROLLING                        | M3   | 4.06-  | 1        | 2.4              | :Deduct for not rolling with power roller of minimum 8  |

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|----------|--|------|--------|----------|------------------|--|
|          | WHILE BANKING                            |      |        |          |                  | tonnes for banking excavated earth in layers not exceeding 20 cm in depth.   |
| 50.      | DEDUCT FOR NOT WATERING WHILE BANKING    | M3   | 27.37- | 1        | 2.5              | :Deduct for not watering the excavated earth for banking   |
| 60.      | E/W IN EXCAVATION,DEPTH>30CM-ALL SOIL"   | M3   | 161.85 | 1        | 2.6.1            | :Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil                |
| 70.      | EXCAVATION IN ORDINARY ROCK (DEPTH>30CM) | M3   | 306.92 | 1        | 2.7.1            | :Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. In ordinary rock.                |
| 80.      | EXCAVN.DPTH>30CM-HARD ROCK-WITHBLASTING  | M3   | 516.97 | 1        | 2.7.2            | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.In Hard rock (requiring blasting). |

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|----------|---|------|--------|----------|------------------|---|
| 90.      | EXCAVN.DPTH>30CM-HARD ROCK-NOTBLASTING  | M3   | 861.97 | 1        | 2.7.3            | :Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.In hard rockHard rock (blasting prohibited).   |
| 100.     | EXCAV.TRENCH-ALL SOIL-WIDTH NOT >1.5 M  | M3   | 217.08 | 1        | 2.8.1            | :Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. In all kinds of soil. |
| 110.     | EXCAV.TRENCH-ORD. ROCK-WIDTH NOT >1.5 M | M3   | 382.57 | 1        | 2.9.1            | :Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. In ordinary rock.   |
| 120.     | TRENCH-HARDROCK-BLASTG-WIDTHNOT >1.5 M  | M3   | 595.55 | 1        | 2.9.2            | :Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | surplus excavated soil as directed, within a lead of 50 m. In Hard rock (requiring blasting).  |
| 130.     | TRENCH-HARDROCK-NTBLASTG-WIDTHNOT >1.5 M | M3   | 912.50 | 1        | 2.9.3            | :Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. InHard rock (blasting prohibited).   |
| 140.     | CUT TRENCH DPTH1.5M FORPIPE 80 MM DIA    | M    | 184.65 | 1        | 2.10.1.1         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All Kind of Soil for Pipes, cables etc, not exceeding 80 mm dia. |
| 150.     | CUT TRENCH-DPTH1.5M-PIPEDIA>80 MM,<300M  | M    | 301.58 | 1        | 2.10.1.2         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth  |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | including consolidating each deposited layer by ramming, watering, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All Kind of Soil for Pipes, cables etc, exceeding 80 mm dia. but not exceeding 300mm dia.  |
| 160.     | TRENCH-DPTH1.5M-FORPIPEDIA>300 MM,<600M | M    | 470.84 | 1        | 2.10.1.3         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All Kind of Soil for Pipes, cables etc, exceeding 300 mm dia. but not exceeding 600mm dia. |
| 170.     | EXTRA FOREXCAVATIN TRENCHDEPTH>1.5M,<3M | M    | 1.27   | 1        | 2.11             | :Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 1.5 m, but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre).   |
| 180.     | EXTRA FOREXCAVATIN TRENCHDEPTH>3M,<4.5M | M    | 3.47   | 1        | 2.12             | :Extra for excavating trenches for pipes, cables etc. in all kinds of soil for depth exceeding 3.0 m, but not exceeding 4.5 m. (Rate is over corresponding basic item  |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | for depth upto 1.5 metre).   |
| 190.     | TRENCH IN ORD.ROCK-PIPES 80MM DIA       | M    | 269.35 | 1        | 2.13.1.1         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking servicable materials and disposal of unserviceable materials as directed, within a lead of 50 m .In ordinary rock. Pipes, cables etc not exceeding 80mm dia.                          |
| 200.     | TRENCH INORD.ROCK-PIPE DIA> 80MM,<300MM | M    | 666.95 | 1        | 2.13.1.2         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking servicable materials and disposal of unserviceable materials as directed, within a lead of 50 m .In ordinary rock. Pipes, cables etc exceeding 80mm dia. but not exceeding 300mm dia. |
| 210.     | TRENCH INORD.ROCK-PIPE DIA> 300MM,<600M | M    | 767.45 | 1        | 2.13.1.3         | :Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including  |

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|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking serviceable materials and disposal of unserviceable materials as directed, within a lead of 50 m .In ordinary rock. Pipes, cables etc exceeding 300mm dia. but not exceeding 600mm dia.   |
| 220.     | TRENCHIN HARDROCK-PIPEDIA<80MM,BLASTG"  | M    | 371.61 | 1        | 2.13.2.1          | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. not exceeding 80 mm dia.     |
| 230.     | TRENCH-HARDROCK,PIPED>80MM,<300MM,BLAST | M    | 920.16 | 1        | 2.13.2.2          | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. exceeding 80 mm dia. but not |



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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | exceeding 300 mm dia.  |
| 240.     | TRENCH-HARDROCK, PIPED > 300MM < 600MM, BLAST   | M    | 1,058.74 | 1        | 2.13.2.3          | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. exceeding 300 mm dia but not exceeding 600mm dia |
| 250.     | TRENCH IN HARDROCK- PIPED DIA < 80MM NOT BLSTG  | M    | 521.36   | 1        | 2.13.3.1          | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. not exceeding 80 mm dia.                         |
| 260.     | TRENCH-HARDROCK, PIPED > 80MM < 300MM, NOT BLST | M    | 1,290.99 | 1        | 2.13.3.2          | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20   |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.   |
| 270.     | TRENCH-HARDROCK,PIPED>300MM<600M MNTBLST | M    | 1,485.56 | 1        | 2.13.3.3         | :Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layers by ramming, watering etc. stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Pipes, cables etc. exceeding 300 mm dia but not exceeding 600mm dia. |
| 280.     | EXTRAFORTRENCHORD./HRDROCK,1.5M<DPTH<3M  | M    | 1.05     | 1        | 2.14             | :Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 1.5 m in depth but not exceeding 3 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)  |
| 290.     | EXTRAFORTRENCHORD./HRDROCK,3M<DPTH<4.5M  | M    | 2.62     | 1        | 2.15             | :Extra for excavating trenches for pipes, cables, etc. in ordinary/hard rock exceeding 3m in depth but not exceeding 4.5 m. (Rate is over corresponding basic item for depth upto 1.5 metre.)   |

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|----------|---|------|-------|----------|------------------|--|
| 300.     | CLOSE TIMBERING IN TRENCH-DEPTHUPTO1.5M | M2   | 11.09 | 1        | 2.16.1           | :Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). For depth not exceeding 1.5m .  |
| 310.     | CLOSE TIMBERING INTRENCH-1.5M<DPHT<3M   | M2   | 19.89 | 1        | 2.16.2           | :Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). For Depth exceeding 1.5 m but not exceeding 3 m.  |
| 320.     | CLOSE TIMBERING INTRENCH-3M<DPHT<4.5M   | M2   | 39.78 | 1        | 2.16.3           | :Close timbering in trenches including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered). For Depth exceeding 3.0m but not exceeding 4.5m.  |
| 330.     | CLOSE TIMBERING FORMANHOLE,DPTH<1.5M"   | M2   | 17.95 | 1        | 2.17.1           | :Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered. For Depth not exceeding 1.5 m.                  |
| 340.     | CLOSE TIMBERING FORMANHOLE-1.5M<DPHT<3M | M2   | 36.79 | 1        | 2.17.2           | :Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered. ForDepth exceeding 1.5 m but not exceeding 3 m. |

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|----------|---|------|-------|----------|------------------|---|
| 350.     | CLOSE TIMBERING FORMANHOLE-3M<DPTH<4.5M | M2   | 56.62 | 1        | 2.17.3           | :Close timbering in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered. ForDepth exceeding 3.0 m but not exceeding 4.5m. |
| 360.     | CLOSETIMBERINGOVERAREAS-DPTH<1.5 M      | M2   | 12.15 | 1        | 2.18.1           | :Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered) for Depth not exceeding 1.5 m.   |
| 370.     | CLOSETIMBERINGOVERAREAS-1.5<DPTH<3M     | M2   | 22.61 | 1        | 2.18.2           | :Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered) for Depth exceeding 1.5 m but not exceeding 3.0m.  |
| 380.     | CLOSETIMBERINGOVERAREAS-3<DPTH<4.5M     | M2   | 33.70 | 1        | 2.18.3           | :Close timbering over areas including strutting, shoring and packing, cavities (wherever required) etc. complete. (Measurements to be taken of the face area timbered) for Depth exceeding 3.0m but not exceeding 4.5m  |
| 390.     | EXTRA FOR PLANKING-TOBELEFT PERMANENTLY | M2   |       | 1        | 2.19             | :Extra for planking, strutting and packing materials for cavities (in close timbering) if required to be left permanently in position. (Face area of timber permanently left to be measured).   |

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|----------|--|------|-------|----------|-------------------|---|
| 400.     | OPEN TIMBERING<br>INTRENCH-DEPTH<1.5M          | M2   | 5.73  | 1        | 2.20.1            | :Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered): For Depth not exceeding 1.5 m.   |
| 410.     | OPEN TIMBERING<br>INTRENCH-1.5M<DEPTH<3M       | M2   | 11.28 | 1        | 2.20.2            | :Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered): For Depth exceeding 1.5 m but not exceeding 3 m.   |
| 420.     | OPEN TIMBERING<br>INTRENCH-3M<DEPTH<4.5M       | M2   | 20.35 | 1        | 2.20.3            | :Open timbering in trenches including strutting and shoring complete (measurements to be taken of the face area timbered): For Depth exceeding 3 m but not exceeding 4.5 m.   |
| 430.     | OPEN<br>TIMBERING-M/HOL,WELL,PIT-<br>DEPTH<1.5 | M2   | 9.16  | 1        | 2.21.1            | :Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (Measurements to be taken of the face area timbered): for Depth not exceeding 1.5 m.                   |
| 440.     | OPENTIMBRING-<br>M/HOL,WELL,PIT-1.5M<DPHT<3    | M2   | 17.95 | 1        | 2.21.2            | :Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring complete (Measurements to be taken of the face area timbered): for Depth exceeding 1.5 m but not exceeding 3 m. |
| 450.     | OPENTIMBRING-<br>M/HOL,WELL,PIT-3M<DPHT<4.5    | M2   | 17.95 | 1        | 2.21.3            | :Open timbering in case of shafts, wells, cesspits, manholes and the like including strutting and shoring   |

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|          |  |      |       |          |                   | complete (Measurements to be taken of the face area timbered): for Depth exceeding 3.0 m but not exceeding 4.5 m.   |
| 460.     | OPENTIMBERING OVER AREAS-DEPTH<1.5M    | M2   | 6.23  | 1        | 2.22.1            | :Open timbering over areas including strutting,shoring etc.complete. (Measurements to be taken of the face area timbered): for Depth not exceeding 1.5 m.                     |
| 470.     | OPENTIMBERING OVER AREAS-1.5M<DEPTH<3M | M2   | 12.25 | 1        | 2.22.2            | :Open timbering over areas including strutting,shoring etc.complete. (Measurements to be taken of the face area timbered): for Depth exceeding 1.5 m but not exceeding 3 m.   |
| 480.     | OPENTIMBERING OVER AREAS-3M<DEPTH<4.5M | M2   | 21.84 | 1        | 2.22.3            | :Open timbering over areas including strutting,shoring etc.complete. (Measurements to be taken of the face area timbered): for Depth exceeding 3.0 m but not exceeding 4.5 m. |
| 490.     | EXTRAFORPLANKING-TOBELEFT PERMANENTLY  | M2   |       | 1        | 2.23              | :Extra for planking and strutting in open timbering if required to be left permanently in position. (Face area of the timber permanently left to be measured).                |
| 500.     | EXTRARATEFORQUANTITYOFWORK-UNDERWATER  | M    | 0.20  | 1        | 2.24.1            | :Extra rates for quantities of works, executed: In or under water and/or liquid mud, including pumping out water as required.(Rate: 20%, Unit:etre depth)                     |
| 510.     | EXTRARATEFORQTYOFWORK-                 | M    | 0.25  | 1        | 2.24.2            | :Extra rates for quantities of works, executed: In or under   |

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|----------|---|------|--------|----------|------------------|--|
|          | UNDERFOULPOSITION                       |      |        |          |                  | foul position, including pumping out water as required.(Rate:25%, Unit:per metre depth)  |
| 520.     | FILLING EARTH-PLINTH,FDN,TRENCH-LIFT1.5 | M3   | 173.71 | 1        | 2.25             | :Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. |
| 530.     | EXTRA FORADDL. LIFT OF 1.5M-ALLSOIL     | M3   | 71.23  | 1        | 2.26.1           | :Extra for every additional lift of 1.5 m or part thereof in All kinds of soil.  |
| 540.     | EXTRA FORADDL.LIFT OF1.5M-ORD./HARDROCK | M3   | 127.84 | 1        | 2.26.2           | :Extra for every additional lift of 1.5 m or part thereof in ordinary or hard rock.  |
| 550.     | SUPPLY & FILLING IN PLINTH WITH SAND    | M3   | 138.68 | 1        | 2.27             | :Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete(cost of sand will be paid separately).  |
| 560.     | SURFACE DRESSING OF THE GROUND          | M2   | 19.08  | 1        | 2.28.1           | :Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.All kinds of soil   |
| 570.     | PLOUGHING THE EXISTING GROUND-ALL SOIL  | M2   | 19.52  | 1        | 2.29.1           | :Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same. All kinds of soil.  |

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|----------|--|------|--------|----------|-------------------|--|
| 580.     | EXCAVATING HOLES IN ALL KIND OF SOILS    | EA   | 68.69  | 1        | 2.30.1            | :Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5 m. in all kind of soils.              |
| 590.     | EXCAVATING HOLES IN ORDINARY ROCK        | EA   | 118.34 | 1        | 2.30.2            | :Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5 m. in Ordinary rock                   |
| 600.     | EXCAVATING HOLE IN HARD ROCK-BLASTING    | EA   | 182.23 | 1        | 2.30.3            | :Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5 m. in Hard rock (requiring blasting). |
| 610.     | EXCAVATING HOLE IN HARDROCK-NOT BLASTING | EA   | 277.32 | 1        | 2.30.4            | :Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including   |



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|          |   |      |          |          |                   | consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil; as directed within a lead of 50 m and lift upto 1.5 m. in Hard rock (blasting prohibited)  |
| 620.     | CLEARING JUNGLE-GIRTH UPTO 30 CM        | M2   | 9.83     | 1        | 2.31              | :Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.      |
| 630.     | CLEARING GRASS / REMOVAL OF THE RUBBISH | M2   | 5.02     | 1        | 2.32              | :Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.  |
| 640.     | FELLING TREES OF GIRTH >30CM ,?60CM"    | EA   | 299.90   | 1        | 2.33.1            | :Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable .Beyond 30 cm girth upto and including 60 cm girth.  |
| 650.     | FELLING TREES OF GIRTH >60CM ,?120CM"   | EA   | 1,331.53 | 1        | 2.33.2            | :Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable .Beyond 60 cm girth upto and including 120 cm girth. |
| 660.     | FELLING TREES OF GIRTH                  | EA   | 6,167.91 | 1        | 2.33.3            | :Felling trees of the girth (measured at a height of 1 m   |

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|----------|--|------|-----------|----------|------------------|---|
|          | >120CM ,?240CM"                          |      |           |          |                  | above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable .Beyond 120 cm girth upto and including 240 cm girth.  |
| 670.     | FELLING TREES OF THE GIRTH ABOVE 240 CM  | EA   | 12,364.27 | 1        | 2.33.4           | :Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable. Above 240 cm girth.  |
| 680.     | SUPPLYING CHEMICAL EMULSION IN CONTAINER | L    | 191.84    | 1        | 2.34.1           | :Supplying chemical emulsion in sealed containers including delivery as specified.Chlorpyriphos/ Lindane emulsifiable concentrate of 20%  |
| 690.     | POST ANTI-TERMITETREATMENT WALL-SUBSTRUC | M    | 22.88     | 1        | 2.35.1.1         | :Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration. |
| 700.     | POST ANTI-                               | M    | 32.88     | 1        | 2.35.2.1         | :Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment  |

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|----------|--|------|--------|----------|------------------|--|
|          | TERMITETREATMENTWALLSUPE<br>RSTRUC         |      |        |          |                  | (excluding the cost of chemical emulsion) :Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.                                    |
| 710.     | TREATMENTWITHCHEMICAL-<br>SOIL UNDER FLOOR | M2   | 178.61 | 1        | 2.35.3.1         | :Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor ,With Chlorpyriphos/Lindane E.C. 20% with 1% concentration |
| 720.     | TREATMENTWITHCHEMICAL-<br>EXISTING MASONRY | M    | 25.71  | 1        | 2.35.4.1         | :Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole With Chlorpyriphos/Lindane E.C. 20% with 1% concentration   |
| 730.     | TREATMENTWITH<br>CHEMICAL-WOOD WORK        | M    | 30.12  | 1        | 2.35.5           | :Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.                                      |

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|--------------------|---|------|--------|----------|------------------|--|
| 740.               | DEDUCTFORDISPOSESOILNOTL<br>EVEL-ITEM2.6,2. | M3   | 52.30- | 1        | 2.36             | :Deduct for disposed soil not levelled and neatly dressed (against Item No. 2.6,&2.7)  |
| 750.               | Stacking of Fly ash                         | M3   |        | 1        | 2.37             | Sacking of Fly ash conforming to IRC- 58 at site, including carriage, loading , unloading & stacking up to any lead (measuredstacks will be reduced by 20% for payment).   |
| 760.               | Filling with fly ash and earth              | M3   | 173.71 | 1        | 2.38             | Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting eachlayer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge |
| <b>03 : MORTAR</b> |   |      |        |          |                  |  |
| 10.                | CEMENT MORTAR 1:1<br>(1CEMENT: 1 FINE SAND) | M3   | 510.98 | 1        | 3.1              | :Cement Mortar 1:1 (1 cement : 1 fine sand)  |
| 20.                | CEMENT MORTAR 1:2<br>(1CEMENT: 2 FINE SAND) | M3   | 511.01 | 1        | 3.2              | :Cement mortar 1:2 (1 cement : 2 fine sand).   |
| 30.                | CEMENT MORTAR 1:3 (1<br>CEMENT:3 FINE SAND) | M3   | 511.01 | 1        | 3.3              | :Cement mortar 1:3 (1 cement : 3 fine sand).   |
| 40.                | CEMENT MORTAR 1:4 (1<br>CEMENT:4 FINE SAND) | M3   | 511.01 | 1        | 3.4              | :Cement mortar 1:4 (1 cement : 4 fine sand).   |

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|----------|--|------|--------|----------|-------------------|--|
| 50.      | CEMENT MORTAR 1:5 (1 CEMENT:5 FINE SAND) | M3   | 511.01 | 1        | 3.5               | :Cement mortar 1:5 (1 cement : 5 fine sand).               |
| 60.      | CEMENT MORTAR 1:6 (1 CEMENT:6 FINE SAND) | M3   | 511.01 | 1        | 3.6               | :Cement mortar 1:6 (1 cement : 6 fine sand).               |
| 70.      | CEMENT MORTAR 1:2(1CEMENT :2COARSE SAND) | M3   | 511.01 | 1        | 3.7               | :Cement mortar 1:2 (1 cement : 2 coarse sand).             |
| 80.      | CEMENT MORTAR 1:3(1CEMENT :3COARSE SAND) | M3   | 511.01 | 1        | 3.8               | :Cement mortar 1:3 (1 cement : 3 coarse sand).             |
| 90.      | CEMENT MORTAR 1:4(1CEMENT :4COARSE SAND) | M3   | 511.01 | 1        | 3.9               | :Cement mortar 1:4 (1 cement : 4 coarse sand).             |
| 100.     | CEMENT MORTAR 1:5(1CEMENT :5COARSE SAND) | M3   | 511.01 | 1        | 3.10              | :Cement mortar 1:5 (1 cement : 5 coarse sand).             |
| 110.     | CEMENT MORTAR 1:6(1CEMENT :6COARSE SAND) | M3   | 511.01 | 1        | 3.11              | :Cement mortar 1:6 (1 cement : 6 coarse sand).             |
| 120.     | CEMENT MORTAR 1:2(1CEMENT :2STONE DUST)  | M3   | 511.01 | 1        | 3.12              | :Cement mortar 1:2 (1 cement : 2 stone dust).              |
| 130.     | CEMENT MORTAR 1:2(1CEMENT :2MARBLE DUST) | M3   | 511.01 | 1        | 3.13              | :Cement mortar 1:2 (1 cement : 2 marble dust).             |
| 140.     | CEMENT MORTAR 1:5(1CEMENT :5MARBLE DUST) | M3   | 511.01 | 1        | 3.14              | :Cement mortar 1:5 (1 cement : 5 marble dust).             |
| 150.     | WHITE CM 1:2(1WHITE CEMENT:2MARBLE DUST) | M3   | 511.01 | 1        | 3.15              | :White cement mortar 1:2 (1 white cement : 2 marble dust). |
| 160.     | WHITE CM 1:3(1WHITE CEMENT:3MARBLE DUST) | M3   | 511.01 | 1        | 3.16              | :White cement mortar 1:3 (1 white cement : 3 marble dust). |

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|----------------------|--|------|----------|----------|------------------|---|
| 170.                 | WHITE CM1:5 (1WHITE CEMENT:5MARBLE DUST) | M3   | 503.71   | 1        | 3.17             | :White cement mortar 1:5 (1 white cement : 5 marble dust).  |
| 180.                 | MUD MORTAR                               | M3   | 517.70   | 1        | 3.18             | :Mud mortar   |
| <b>04 : CC WORKS</b> |  |      |          |          |                  |   |
| 10.                  | CC WORK 1:1:2 UPTO PLINTH LEVEL.:        | M3   | 1,651.86 | 1        | 4.1.1            | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:1:2 ( 1 Cement: 1 coarse sand : 2 graded stone aggregate 20 mm nominal size)       |
| 20.                  | CC WORK 1:1.5:3 UPTO PLINTH LEVEL:       | M3   | 1,651.86 | 1        | 4.1.2            | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:11/2:3 ( 1 Cement: 11/2 coarse sand : 3 graded stone aggregate 20 mm nominal size) |
| 30.                  | CC WORK UPTO PLINTH 1:2:4, 20MM AGGT:    | M3   | 1,651.86 | 1        | 4.1.3            | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:2:4 ( 1 Cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)       |
| 40.                  | CC WORK UPTO PLINTH 1:2:4, 40MM AGGT:    | M3   | 1,649.80 | 1        | 4.1.4            | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:2:4 ( 1 Cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)       |
|                      |  |      |          |          |                  |   |

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|----------|---|------|----------|----------|-------------------|---|
| 50.      | PCC UPTO PLINTH 1:3:6, 20MM AGGT.       | M3   | 1,649.80 | 1        | 4.1.5             | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:3:6 ( 1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) |
| 60.      | PCC UPTO PLINTH 1:3:6 C/SAND, CA 40MM.  | M3   | 1,649.80 | 1        | 4.1.6             | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:3:6 ( 1 Cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) |
| 70.      | PCC UPTO PLINTH 1:3:6 F/SAND, CA 40MM.  | M3   | 1,649.80 | 1        | 4.1.7             | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:3:6 ( 1 Cement: 3 fine sand : 6 graded stone aggregate 40 mm nominal size)   |
| 80.      | PCC UPTO PLINTH 1:4:8 C/SAND, CA 40MM.  | M3   | 1,649.80 | 1        | 4.1.8             | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:4:8 ( 1 Cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) |
| 90.      | PCC UPTO PLINTH 1:4:8 F/SAND, CA 40MM.  | M3   | 1,649.80 | 1        | 4.1.9             | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:4:8 ( 1 Cement: 4 fine sand : 8 graded stone aggregate 40 mm nominal size)   |
| 100.     | PCC UPTO PLINTH 1:5:10 C/SAND, CA 40MM. | M3   | 1,649.80 | 1        | 4.1.10            | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | upto plinth level: 1:5:10 ( 1 Cement: 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)  |
| 110.     | PCC UPTO PLINTH 1:5:10 F/SAND, CA 40MM.  | M3   | 1,637.81 | 1        | 4.1.11           | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:1:5:10 ( 1 Cement: 5 fine sand : 10 graded stone aggregate 40 mm nominal size)   |
| 120.     | PCC UPTO PLINTH 1:2:3.5:9 WITH FLY ASH.  | M3   | 1,651.86 | 1        | 4.1.12           | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:2:3.5:9 (1 ordinary portland cement : 2 Fly ash : 3.5 coarse sand : 9 graded stone aggregate 40 mm nominal size).   |
| 130.     | PCC UPTO PLINTH 1:2.5:4:11 WITH FLY ASH. | M3   | 1,651.86 | 1        | 4.1.13           | :Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level: 1:2 1/2:4:11( 1 Ordinary Portland cement : 2 1/2 Fly ash : 4 coarse sand : 11 graded stone aggregate 40 mm nominal size)  |
| 140.     | CEM. CONCRETE 1:1:2 ABOVE PLINTH LEVEL.  | M3   | 3,098.39 | 1        | 4.2.1            | :Laying cement concrete in retaining walls, return walls (any thick- ness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:1:2 (1 cement: 1 coarse sand : 2 graded stone aggregate 20 mm nominal size) |



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|----------|--|------|----------|----------|------------------|--|
| 150.     | CEM. CONC. 1:1.5:3 ABOVE PLINTH LEVEL.   | M3   | 3,098.39 | 1        | 4.2.2            | :Laying cement concrete in retaining walls, return walls (any thick- ness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:11/2:3 (1 cement: 11/2 coarse sand : 3 graded stone aggregate 20 mm nominal size) |
| 160.     | CEM.CONC. ABOVE PLINTH 1:2:4, 20MM AGGT. | M3   | 3,098.39 | 1        | 4.2.3            | :Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)          |
| 170.     | CEM.CONC. ABOVE PLINTH 1:2:4, 40MM AGGT. | M3   | 3,096.33 | 1        | 4.2.4            | :Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)          |

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|----------|--|------|----------|----------|------------------|---|
| 180.     | PCC ABOVE PLINTH 1:3:6, C/SAND, CA 20MM. | M3   | 3,096.33 | 1        | 4.2.5            | :Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) |
| 190.     | PCC UPTO PLINTH 1:3:6 C/SAND, CA 40MM.   | M3   | 3,096.33 | 1        | 4.2.6            | :Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) |
| 200.     | PCC UPTO PLINTH 1:3:6 F/SAND, CA 40MM.   | M3   | 3,096.33 | 1        | 4.2.7            | :Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc upto floor five level, excluding the cost of centring, shuttering and finishing: 1:3:6 (1 cement: 3 fine sand : 6 graded stone aggregate 40 mm nominal size)   |

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|----------|--|------|----------|----------|------------------|---|
| 210.     | PCC 1:5:10 (1 cement: 5 C/sand:10 aggr 4 | M3   | 3,090.28 | 1        | 4.2.8            | 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)  |
| 220.     | SHUTTERING: F'DATION, FOOTING, COL.BASE. | M2   | 181.97   | 1        | 4.3.1            | :Centering shuttering including struttings, propping etc. and removal of form work for: Foundations, footings, bases for columns.   |
| 230.     | SHUTTERING: WALL, BUTRESS, PILASTER ETC. | M2   | 444.04   | 1        | 4.3.2            | :Centering shuttering including struttings, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, but-tresses plinth and string courses fillets etc. |
| 240.     | SHUTTERING: COLUMN, PIER, STRUT ETC.     | M2   | 527.91   | 1        | 4.3.3            | :Centering shuttering including struttings, propping etc. and removal of form work for: Columns, piers, abutments, pillaras, posts and struts.  |
| 250.     | PCC 1:2:4 IN KERBS, STEPS ETC. NEAR GL.  | M3   | 1,651.86 | 1        | 4.4.1            | :Laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing. 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).        |
| 260.     | PCC 1:3:6 IN KERBS, STEPS ETC. NEAR GL.  | M3   | 1,649.80 | 1        | 4.4.2            | :Laying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).        |

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|----------|---|------|----------|----------|-------------------|--|
| 270.     | PRECAST CONC. 1:2:4, COPING, STEPS ETC. | M3   | 2,597.91 | 1        | 4.5.1             | :Fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement: 3 fine sand) 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size).                               |
| 280.     | PRECAST CONC. 1:3:6, COPING, STEPS ETC. | M3   | 2,597.91 | 1        | 4.5.2             | :Fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 Cement: 3 fine sand) on exposed surfaces complete. 1:3:6 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size). |
| 290.     | Precast CC string ,CC 1:3:6 etc.        | M3   | 2,595.84 | 1        | 4.5.3             | Laying up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc. including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal   |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | size)   |
| 300.     | PRECAST CONC. 1:2:4, KERB, EDGING ETC. | M3   | 1,836.22 | 1        | 4.6.1             | :Fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement: 3 coarse sand) including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete. 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size).   |
| 310.     | PRECAST CONC. 1:2:4 SOLID BLOCK.       | M3   | 6,751.80 | 1        | 4.7.1             | :Fixing upto floor five level precast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 cement: 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete : 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size).<br><br>(cost of 0.89 cum of coarse aggregate and 0.57 cum of fine aggregate to be paid extra) |
| 320.     | PRECAST CONC. 1:3:6 SOLID BLOCK.       | M3   | 6,749.73 | 1        | 4.7.2             | :Fixing upto floor five level precast cement concrete solid block including hoisting and setting in position with cement mortar 1:3 (1 cement: 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed  |

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|          |                                   |      |          |          |                   | surfaces complete : 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size).<br><br>(cost of 0.89 cum of coarse aggregate and 0.57 cum of fine aggregate to be paid extra)  |
| 330.     | PRECAST CONC. 1:2:4 HOLLOW BLOCK. | M3   | 7,194.00 | 1        | 4.8.1             | :Fixing upto floor five level precast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete : 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size). |
| 340.     | PRECAST CONC. 1:3:6 HOLLOW BLOCK. | M3   | 7,193.20 | 1        | 4.8.2             | :Fixing upto floor five level precast cement concrete hollow block including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete : 1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size). |
| 350.     | PRECAST CONCRETE 1:3:6 BOLLARD.   | M3   | 248.68   | 1        | 4.9               | :Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450 mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | cement concrete 1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) including necessary excavation of size 250x250x450mm^deep for the same in bitumen/concrete pavement at specified spacing.                              |
| 360.     | DPC 40MM THK WITH 1:2:4 CEM. CONCRETE. | M2   | 126.89 | 1        | 4.10             | :Laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).  |
| 370.     | DPC 50MM THK WITH 1:2:4 CEM. CONCRETE. | M2   | 146.46 | 1        | 4.11             | :Laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size).  |
| 380.     | ADDING WATER PROOFING COMPOUND IN DPC. | BAG  | 9.59   | 1        | 4.12             | :<br>Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification(Rate:Per bag i.e. 50 kg of cement)  |
| 390.     | APPLYING BITUMEN @1.7KG/SQM ON DPC.    | M2   | 33.55  | 1        | 4.13             | :Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. |
| 400.     | EXTRA FOR PCC ABOVE FLOOR              | M3   | 878.09 | 1        | 4.14             | :Extra for concrete work in superstructure above floor V   |

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|----------|--|------|----------|----------|-------------------|--|
|          | V LEVEL.                               |      |          |          |                   | level for each four floors or part thereof.  |
| 410.     | EXTRA FOR PCC UNDER WATER/MUD.         | M3   | 640.48   | 1        | 4.15              | :Extra for laying concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.( Rate :per cum per metre depth)  |
| 420.     | EXTRA FOR PCC IN FOUL POSITION.        | M3   | 264.32   | 1        | 4.16              | :Extra for laying concrete in or under foul positions.   |
| 430.     | 50MM THK. PCC 1:3:6 PLINTH PROTECTION. | M2   | 253.15   | 1        | 4.17              | :Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.  |
| 440.     | Extra for synthetic polyester fibre    | KG   |          | 1        | 4.18              | Extra for addition of synthetic polyester triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement concrete/RCC/ Flooring /water retaining structures by using 125 gms of synthetic polyester triangular fibre for 50 kgs cement used as per directions of Engineer-in-Charge(Cost per bag of 50kg of cement) |
| 450.     | Laying RMC, auto- plant upto P/L - M15 | M3   | 3,259.10 | 1        | 4.19.1.1          | Laying in position ready mixed plain cement concrete,using fly ash and cement content as per approved design mix and manufactured in fully automatic   |



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|----------|--------------------------------------|------|----------|----------|------------------|---|
|          |                                      |      |          |          |                  | batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note : (1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC. All works upto plinth level :M-15 grade plain cement concrete (cement content considered@ 240 kg/cum) |
| 460.     | Laying RMC, auto-plant ,upto P/L-M10 | M3   | 3,259.10 | 1        | 4.19.1.2         | Laying in position ready mixed plain cement concrete,using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including   |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.Note : (1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC. All works upto plinth level :M-10 grade plain cement concrete (cement content considered@ 220 kg/cum)  |
| 470.     | Laying RMC, auto-plant ,Above P/L - M15 | M3   | 4,069.26 | 1        | 4.19.2.1         | Laying in position ready mixed plain cement concrete,using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.Note : (1) Excess/less cement used than specified |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of BMC and RMC. All works above plinth upto V floor level :M-15 grade plain cement concrete (cement content considered@ 240 kg/cum)   |
| 480.     | Laying RMC , auto-plant , Above P/L - M1 | M3   | 4,069.26 | 1        | 4.19.2.2         | Laying in position ready mixed plain cement concrete,using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.Note : (1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456 -2000 in the items of |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
|          |  |      |          |          |                   | BMC and RMC. All works above plinth upto V floor level :M-10 grade plain cement concrete (cement content considered@ 220 kg/cum)   |
| 490.     | Laying RMC , Dgn mix upto P/L -M15     | M3   | 3,259.10 | 1        | 4.20.1.1          | Laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works upto plinth level : M-15 grade plain cement concrete (cement content considered @ 240 kg/cum) |
| 500.     | Laying RMC , Design mix,upto P/L - M10 | M3   | 3,259.10 | 1        | 4.20.1.2          | Laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per  |

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|----------|--------------------------------------|------|----------|----------|------------------|---|
|          |                                      |      |          |          |                  | mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works upto plinth level : M-15 grade plain cement concrete (cement content considered @ 220 kg/cum)  |
| 510.     | Laying RMC , Dgn Mix,Above P/L - M15 | M3   | 4,069.26 | 1        | 4.20.2.1         | Laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works above plinth |

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|-----------------|--------------------------------------|------|----------|----------|-------------------|--|
|                 |                                      |      |          |          |                   | upto V floor level : M-15 grade plain cement concrete (cement content considered @ 240 kg/cum).  |
| 520.            | Laying RMC , Dgn Mix,Above P/L - M10 | M3   | 4,069.26 | 1        | 4.20.2.2          | Laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Note : 1) Excess/less cement used than specified in this item is payable/recoverable separately. All works above plinth upto V floor level : M-15 grade plain cement concrete (cement content considered @ 220 kg/cum) |
| <b>05 : RCC</b> |                                      |      |          |          |                   |  |
| 10.             | RCC 1:1:2 UPTO PLINTH.               | M3   | 2,058.05 | 1        | 5.1.1             | :Laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1:2 (1 cement: 1 coarse sand : 2 graded stone aggregate 20 mm nominal size).   |

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|----------|---------------------------------------|------|----------|----------|------------------|--|
| 20.      | RCC 1:1.5:3 UPTO PLINTH.              | M3   | 2,058.05 | 1        | 5.1.2            | :Laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level : 1:1.5:3 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)   |
| 30.      | RCC 1:2:4 UPTO PLINTH.                | M3   | 2,058.05 | 1        | 5.1.3            | :Laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level : 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)   |
| 40.      | RCC COLS/POSTS 1:1:2, UPTO FLOOR V.   | M3   | 3,327.37 | 1        | 5.2.1            | :Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement : 1:1:2 (1 cement: 1 coarse sand : 2 graded stone aggregate 20 mm nominal size) |
| 50.      | RCC COLS/POSTS 1:1.5:3, UPTO FLOOR V. | M3   | 3,327.37 | 1        | 5.2.2            | :Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement: 1.5 coarse sand : 3   |

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|          |  |      |          |          |                  | graded stone aggregate 20 mm nominal size)   |
| 60.      | RCC COLS/POSTS 1:2:4, UPTO FLOOR V.      | M3   | 3,327.37 | 1        | 5.2.3            | :Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement: 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).             |
| 70.      | RCC FLOOR/BEAM 1:2:4, UPTO FLOOR V.      | M3   | 3,665.51 | 1        | 5.3              | :Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). |
| 80.      | RCC KERB/STEPS 1:2:4, UPTO FLOOR V.      | M3   | 3,035.44 | 1        | 5.4              | :Laying upto floor five level reinforced cement concrete in kerbs, steps and the like excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).   |
| 90.      | RCC ARCH/DOME/SHELL 1:2:4, UPTO FLOOR V. | M3   | 4,083.86 | 1        | 5.5              | :Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of  |



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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size).  |
| 100.     | RCC CHIMNEY/SHAFT 1:2:4, UPTO FLOOR V.  | M3   | 3,479.57 | 1        | 5.6              | :Reinforced cement concrete work in chimneys, shafts, upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).  |
| 110.     | RCC WELL STEINING 1:2:4, UPTO FLOOR V.  | M3   | 1,698.69 | 1        | 5.7              | :Reinforced cement concrete work in well-steining excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).  |
| 120.     | RCC FINS/FACIA/EAVE 1:1.5:3, UPTO FLOOR | M3   | 2,747.21 | 1        | 5.8              | :Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size). |
| 130.     | SHUTTERING WORKS IN FOUNDATION.         | M2   | 181.97   | 1        | 5.9.1            | :Centring and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.   |
| 140.     | SHUTTERING WORKS IN                     | M2   | 444.04   | 1        | 5.9.2            | :Centring and shuttering including strutting, propping etc.  |

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|----------|--|------|--------|----------|-------------------|---|
|          | WALL/BUTRESS/PLINTH.                     |      |        |          |                   | and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.                                |
| 150.     | SHUTTERING WORKS IN WALL/BUTRESS/PLINTH. | M2   | 509.18 | 1        | 5.9.3             | :Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform.  |
| 160.     | SHUTTERING WORKS IN SHELVES.             | M2   | 509.18 | 1        | 5.9.4             | :Centring and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)  |
| 170.     | SHUTTERING WORKS IN LINTEL/BEAM/GIRDER.  | M2   | 388.67 | 1        | 5.9.5             | :Centring and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers. |
| 180.     | SHUTTERING WORKS IN COLUMN/PIER/POSTS.   | M2   | 527.91 | 1        | 5.9.6             | :Centring and shuttering including strutting, propping etc. and removal of form for: Columns, Pillars, Piers, Abutments, Posts and Struts.              |
| 190.     | SHUTTERING WORK IN NORMAL STAIRCASE.     | M2   | 315.22 | 1        | 5.9.7             | :Centring and shuttering including strutting, propping etc and removal of form for: Stairs, (excluding landings) except spiral-staircases.              |
| 200.     | SHUTTERING WORK IN SPIRAL STAIRCASE.     | M2   | 397.65 | 1        | 5.9.8             | :Centring and shuttering including strutting, propping etc. and removal of form for: Spiral staircases (including landing).                             |
|          |  |      |        |          |                   |   |

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|----------|---|------|--------|----------|------------------|---|
| 210.     | SHUTTERING IN ARCH/DOME UPTO 6M SPAN.   | M2   | 912.47 | 1        | 5.9.9            | :Centring and shuttering including strutting, propping etc. and removal of form for: Arches, domes, vaults upto 6 m span  |
| 220.     | SHUTTERING IN ARCH/DOME ABOVE 6M SPAN.  | M2   | 95.03  | 1        | 5.9.10           | :Centring and shuttering including strutting, propping etc. and removal of form for Extra for arches, domes, vaults exceeding 6 m span  |
| 230.     | SHUTTERING WORKS IN CHIMNEY/SHAFT.      | M2   | 444.04 | 1        | 5.9.11           | :Centring and shuttering including strutting, propping etc. and removal of form for : Chimneys and shafts   |
| 240.     | SHUTTERING WORKS IN WELL STEINING.      | M2   |        | 1        | 5.9.12           | :Centring and shuttering including strutting, propping etc. and removal of form for : Well steining   |
| 250.     | SHUTTERING WORKS IN FINS/FACIA/EAVES.   | M2   | 564.84 | 1        | 5.9.13           | :Centring and shuttering including strutting, propping etc. and removal of form for : Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.   |
| 260.     | EXTRA FOR SHUTTERING WORKS IN CIRCULAR. | M2   | 0.22   | 1        | 5.9.14           | :Extra for shuttering in circular work sqm 20% of respective centring & shuttering  |
| 270.     | SHUTTERING WORKS IN SMALL LINTELS.      | M2   | 181.97 | 1        | 5.9.15           | :Centring and shuttering including strutting, propping etc. and removal of form for : Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like. |

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|----------|--|------|--------|----------|------------------|---|
| 280.     | SHUTTERING IN SLAB EDGES UPTO 20CM WIDE. | M    | 73.66  | 1        | 5.9.16.1         | :Centring and shuttering including strutting, propping etc. and removal of form for : Edges of slabs and breaks in floors and walls. Under 20 cm wide   |
| 290.     | SHUTTERING IN SLAB EDGES OVER 20CM WIDE. | M2   | 285.08 | 1        | 5.9.16.2         | :Centring and shuttering including strutting, propping etc. and removal of form for : Edges of slabs and breaks in floors and walls. Above 20 cm wide   |
| 300.     | SHUTTERING WORKS IN CORNICE/MOULDINGS.   | M2   | 204.24 | 1        | 5.9.17           | :Centring and shuttering including strutting, propping etc. and removal of form for : Cornices and mouldings  |
| 310.     | SHUTTERING FOR SMALL SURFACES.           | M2   | 409.69 | 1        | 5.9.18           | :Centring and shuttering including strutting, propping etc. and removal of form for : Small surfaces such as cantilever ends, brackets and ends of steps, caps and bases to pilasters and columns and the like. |
| 320.     | SHUTTERING WORKS IN CHAJJA/CORBEL ETC.   | M2   | 382.91 | 1        | 5.9.19           | :Centring and shuttering including strutting, propping etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges.   |
| 330.     | SHUTTERING WORKS IN FLOOR/BALCONY SLABS. | M2   | 514.87 | 1        | 5.9.20           | :Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform, with water proof ply 12mm thick.                         |
| 340.     | SHUTTERING WORKS IN                      | M2   | 399.96 | 1        | 5.9.21           | :Centring and shuttering including strutting, propping etc.   |

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|----------|--|------|--------|----------|------------------|--|
|          | LINTEL/BEAM/GIRDER.                      |      |        |          |                  | and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers, with water proof ply 12mm thick.  |
| 350.     | WALL SHUTTERING TIE BOLT 12Ø 100MM LONG. | SET  | 4.28   | 1        | 5.10.1           | :Fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the Engineer-in-charge 12 mm dia. & 100 mm length.   |
| 360.     | WALL SHUTTERING TIE BOLT 12Ø 150MM LONG. | SET  | 4.28   | 1        | 5.10.2           | :Fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge 12 mm dia. & 150 mm length.  |
| 370.     | WALL SHUTTERING TIE BOLT 20Ø 150MM LONG. | SET  | 4.28   | 1        | 5.10.3           | :Fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge 20mmdia. & 150 mm length.  |
| 380.     | WALL SHUTTERING TIE BOLT 20Ø 225MM LONG. | SET  | 4.28   | 1        | 5.10.4           | :Fixing tie bolt, spring coil and plastic cone in wall shuttering complete as per the direction of Engineer-in-charge 20 mm dia.& 225 mm length.   |
| 390.     | EXTRA FOR ADDITIONAL HEIGHT SHUTTERING.  | M2   | 225.59 | 1        | 5.11.1           | :Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentring at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured)<br>Suspended floors, roofs, landing, beams and balconies (Plan area to be measured). |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 400.     | HOISTUNG PRECAST RCC IN COPING/BAND ETC. | M3   | 2,880.95 | 1        | 5.12             | :Hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centring, shuttering, finishing smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size).     |
| 410.     | HOISTUNG PRECAST RCC IN SMALL LINTEL.    | M3   | 5,382.35 | 1        | 5.13             | :Hoisting and fixing upto floor five level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span upto floor five level including the cost of required centring, shuttering and finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal-size).                                   |
| 420.     | HOISTUNG PRECAST RCC IN CORNICE/SILL.    | M3   | 6,957.67 | 1        | 5.14             | :Hoisting and fixing upto floor five level precast reinforced cement concrete in mouldings as in cornices, windows sills etc. including setting in cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centring, shuttering and finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete but excluding the cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---------------------------------------|------|----------|----------|------------------|--|
|          |                                       |      |          |          |                  | size).   |
| 430.     | HOISTUNG PRECAST RCC IN BEAM/LINTEL.  | M3   | 4,815.09 | 1        | 5.15             | :Hoisting and fixing upto floor five level precast reinforced cement concrete in lintels, beams and bressumers including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring and shuttering and finishing smooth with 6 mm thick cement plaster 1:3(1 cement: 3 fine sand) on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mjn nominal size).           |
| 440.     | HOISTUNG PRECAST RCC IN SHELVES.      | M3   | 9,238.75 | 1        | 5.16             | :Hoisting and fixing upto floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).  |
| 450.     | HOISTUNG PRECAST RCC IN FINS/LOUVERS. | M3   | 3,735.94 | 1        | 5.17             | :Hoistingand fixing upto floor five level precast reinforced cement concrete in vertical & horizontal fins individually or forming box louvers setting in cement mortar 1:2 (1 cement : 2 coarse sand) including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete but excluding the cost of reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | aggregate 20 mm nominal size).  |
| 460.     | PRECAST RCC JALI 50MM THK WITH MS WIRE. | M2   | 1,209.47 | 1        | 5.18.1            | :Precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 16 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. 50 mm thick |
| 470.     | PRECAST RCC JALI 40MM THK WITH MS WIRE. | M2   | 657.07   | 1        | 5.18.2            | :Precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 16 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. 40 mm thick |
| 480.     | PRECAST RCC JALI 25MM THK WITH MS WIRE. | M2   | 657.07   | 1        | 5.18.3            | :Precast cement concrete Jali 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 16 mm dia mild steel wire including centring and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. 25 mm thick |
| 490.     | ENCASING STEEL BEAM/COL.                | M3   | 5,823.49 | 1        | 5.19              | :Encasing rolled steel sections, in beams and columns,  |



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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          | WITH 1:2:4CONC.                          |      |          |          |                  | with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including centring and shuttering complete but excluding cost of reinforcement.   |
| 500.     | ENCASING STEEL IN GRILLAGE WITH CONC.    | M3   | 2,379.09 | 1        | 5.20             | :Encasing rolled steel section in grillages with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including centring and shuttering but excluding cost of expanded metal and hangers. |
| 510.     | EXTRA FOR XPM IN CONC. ENCASING STEEL.   | M2   | 42.35    | 1        | 5.21             | :Extra for fixing expanded metal mesh of size 20x60mm and strands 3.25mm wide 1.6mm thick weighing 3.64 kg. per sqm. for encasing of rolled steel sections in beams, columns and grillages excluding cost of hangers.               |
| 520.     | MILD STEEL REINFORCEMENT IN RCC WORKS.   | KG   | 15.48    | 1        | 5.22.1           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Mild steel and Medium\Tensile steel bars.   |
| 530.     | HARD DRWN WIRE REINFORCEMENT IN RCC WORK | KG   | 14.80    | 1        | 5.22.2           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing \ in position and binding all complete. Hard drawn steel wire   |
| 540.     | COLD TWISTD. REINFORCEMENT IN RCC WORKS. | KG   | 15.48    | 1        | 5.22.3           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Cold twisted bars   |

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| Item No. | Description                                  | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
| 550.     | HOT ROL. BAR REINFORCEMENT IN RCC WORKS.     | KG   | 15.48 | 1        | 5.22.4            | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Hot rolled deformed bars                                     |
| 560.     | IRC FABRICS REINFORCEMENT IN RCC WORKS.      | KG   | 11.19 | 1        | 5.22.5            | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Hard drawn steel wire fabric                                 |
| 570.     | TMT BAR REINFORCEMENT IN RCC WORKS.          | KG   | 15.48 | 1        | 5.22.6            | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars.                            |
| 580.     | MILDSTEELREINFRCEMNT RCC WORKS ABOVE PLINTH  | KG   | 15.48 | 1        | 5.22A.1           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Mild steel and Medium Tensile steel bars. |
| 590.     | HRDDRNWREREINFRCEMNT RC C WORKS ABOVE PLINTH | KG   | 14.80 | 1        | 5.22A.2           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Hard drawn steel wire                     |
| 600.     | COLDTWISTDREINFRCEMNT RC C WORK ABOVE PLINTH | KG   | 15.48 | 1        | 5.22A.3           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Cold twisted bars                         |
|          |  |      |       |          |                   |  |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 610.     | HOTROLBARREINFRCCMENTRCC WORKSABOVEPLINTH | KG   | 15.48  | 1        | 5.22A.4           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Hot rolled deformed bars  |
| 620.     | IRCFABRICSREINFRCCMENTRCC WORKABOVEPLINTH | KG   | 11.19  | 1        | 5.22A.5           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Hard drawn steel wire fabric  |
| 630.     | TMTBARREINFORCCMENTRCC WORKSABOVEPLINTH   | KG   | 15.48  | 1        | 5.22A.6           | :Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level:Thermo-Mechanically Treated bars.   |
| 640.     | LESS FOR OMITTING SMOOTH FINISH IN RCC.   | M2   | 156.18 | 1        | 5.23              | :Deduct for omitting in R.C.C. work smooth finishing of the exposed surface with 6mm thick cement mortar 1:3 (1 Cement: 3 fine sand)   |
| 650.     | EXTRA FOR SMOOTH FINISHING OF RCC SLAB.   | M2   | 58.98  | 1        | 5.24              | :Extra for rendering smooth the top of suspended floors, landings and staircases (treads and risers) with cement mortar 1:2 (1 cement: 2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer of 7.5 cm of earth laid over 15 mm of fine sand in case of suspended floor and bricks laid in mud mortar in case of landings and steps including subsequent removal and cleaning of the same. |
| 660.     | COPPER PLATE IN EXP. JOINT.               | KG   | 17.75  | 1        | 5.25              | :Fixing in position copper plate as per design for   |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | expansion joints.   |
| 670.     | BLOWN BITUMEN FILLING IN EXP. JOINT.   | PCD  | 78.55  | 1        | 5.26              | :Filling in position, blown bitumen in expansion joints.(per cm depth per cm width per 100m)  |
| 680.     | BITUMEN SAND MIX FILLER IN EXP. JOINT. | PCD  | 78.55  | 1        | 5.27              | :Filling in position bitumen mix filler of Proportion 80 kg. of hot bitumen, 1 kg. of cement and 0.25 cubic metre of coarse sand for expansion joints.(per cm depth per cm width per 100m)          |
| 690.     | BITUMEN IMPREG. BOARD IN EXP. JOINTS.  | PCD  | 46.92  | 1        | 5.28              | :Fixing in position 12mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.(per cm depth per cm width per 100m)           |
| 700.     | FIBRE SHEET ON EXP. JOINT 150MM WIDE.  | M    | 120.05 | 1        | 5.29.1.1          | :Fixing sheet covering over expansion joints with iron screws as per design to match the colour /shade of wall treatment. Non-asbestos fibre cement board 6 mm thick as per IS: 14862 150mm wide.   |
| 710.     | FIBRE SHEET ON EXP. JOINT 200MM WIDE.  | M    | 161.56 | 1        | 5.29.1.2          | :Fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment. Non-asbestos fibre cement board 6 mm thick as per IS: 14862. 200mm wide. |
| 720.     | AL. SHEET ON EXP. JOINT 150MM WIDE.    | M    | 92.60  | 1        | 5.29.2.1          | :Fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall   |

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| Item No. | Description                         | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|-------------------------------------|------|----------|----------|------------------|--|
|          |                                     |      |          |          |                  | treatment. Aluminium fluted strips 3.15mm thick. 150 mm wide.  |
| 730.     | AL. SHEET ON EXP. JOINT 200MM WIDE. | M    | 122.59   | 1        | 5.29.2.2         | : fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment. Aluminium fluted strips 3.15mm thick. 200 mm wide.   |
| 740.     | ADD/LESS FOR DRIP/GROOVE IN RCC.    | M    | 47.01    | 1        | 5.30             | :Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.   |
| 750.     | EXTRA FOR RCC UNDER WATER/MUD.      | M3   | 640.48   | 1        | 5.31             | :Extra for laying reinforced cement concrete in or under water and/ or liquid mudincluding cost of pumping or bailing out water and removing slush etc., complete.   |
| 760.     | EXTRA FOR RCC UNDER FOUL POSITION.  | M3   | 264.32   | 1        | 5.32             | :Extra for laying reinforced cement concretein orunder foul positions.   |
| 770.     | RCCM25WITH410KG CEMENT.UPTO PLINTH  | M3   | 2,794.50 | 1        | 5.33.1           | :Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcement, including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. M-25 grade reinforced |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | cement concrete by using 410kg. of cement per cum of concrete. All work upto Plinth level.   |
| 780.     | RCCM25-410KGCEMENT.UPTO FLRVLVLAVPLINTH  | M3   | 3,895.04 | 1        | 5.33.2           | :Laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for Reinforced Cement Concrete work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-Charge. M-25 grade reinforced cement concrete by using 410kg of cement per cum of concrete. All work above plinth level up to floor V level. |
| 790.     | ADD/LESS FOR 420KG CEM. INSTEAD M25 RMC. | M3   |          | 1        | 5.34.1           | :Add or deduct for richer or leaner mixes respectively at all floor levels. M-30 grade concrete by using 420kg of Cement per cum of concrete instead of M-25 grade B.M.C./Rmc.   |
| 800.     | ADD/LESS FOR RCC M35 INSTEAD OF M25 RMC. | M3   |          | 1        | 5.34.2           | :Add or deduct for richer or leaner mixes respectively at all floor levels. M-35 grade concrete by using 428kg of cement per cum of concrete instead of M-25 grade B.M.C./R.M.C#   |
| 810.     | ADD/LESS FOR 435KG CEM. INSTEAD M25 RMC. | M3   |          | 1        | 5.34.3           | :Add or deduct for richer or leaner mixes respectively at all floor levels. M-30 grade concrete by using 435kg of cement per cum of concrete instead of M-25 grade   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
|          |  |      |           |          |                   | B.M.C/R.M.C..  |
| 820.     | DEDUCTION FOR LESS CEMENT IN BMC/RMC.    | QTL  |           | 1        | 5.35              | :Deduct for using less cement than the quantity as provided in the item of batch mix concrete/RMC as arrived as per mix design. Details of cost for 1 quintal.   |
| 830.     | PRECAST RCC BAFFLE, EXCL. REINFORCEMENT. | M3   | 14,333.07 | 1        | 5.36              | :Placing in position precast reinforced cement concrete waffle units square or rectangular as per design and shape for floors and roofs in 1:1 1/2:3 (1 Cement: 1/2 coarse sand : 3 graded stone aggregate 10mm nominal size) including flush or deep ruled pointing at joints in Cement mortar 1:2 (1 Cement : 2 Fine sand), making necessary holes of required sizes for carrying through service lines etc., providing steel hooks for lifting etc, form work in precasting, handling, hoisting, centering and erection complete for all floor levels but excluding the cost of reinforcement |
| 840.     | M25RCC UPTO RMC 10KM LEAD-UPTO FLOOR V.  | M3   | 3,259.10  | 1        | 5.37.1            | :Laying laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering,   |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum.Excess/less cement used as per design mix is payable/recoverable separately). For All works upto plinth level   |
| 850.     | M25RCCUPTORMC10KMLED-UPTOFLOORVABVPLINTH | M3   | 4,359.64 | 1        | 5.37.2           | :Layingin position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum.Excess/less cement used as per design mix is payable/recoverable separately). For All works above plinth level upto floor V level. |



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|----------|--|------|----------|----------|------------------|--|
| 860.     | EXTRA FOR RCC/BMC/RMC BEYOND FLOOR V.    | M3   | 290.38   | 1        | 5.38             | :Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.  |
| 870.     | EXTRA FOR RMC CARRIAGE BEYOND 10KM LEAD. | PCK  |          | 1        | 5.39             | :Extra for carriage of R.M.C. beyond the initial lead of 10 km.(cum/ km)   |
| 880.     | laying RCM(M-25) concrete upto PL        | M3   | 3,259.10 | 1        | 5.40.1           | Laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content asper approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.<br>NOTE- (1) Cement content considered in this item is @ 330 kg/cum.Excess/ less cement used as per design mix is payable/ recoverable separately.<br>(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456.<br>Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 |

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| Item No. | Description                        | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|------------------------------------|------|----------|----------|------------------|--|
|          |                                    |      |          |          |                  | inthe items of BMC and RMC<br>All works up to Plinth level.  |
| 890.     | laying RCM(M-25) concrete above PL | M3   | 4,359.64 | 1        | 5.40.2           | Laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using fly ash and cement content asper approved design mix, and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.<br>NOTE- (1) Cement content considered in this item is @ 330 kg/cum.Excess/ less cement used as per design mix is payable/ recoverable separately.<br>(2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456.<br>Uniform blending with cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000<br>inthe items of BMC and RMC<br>All works above plinth upto V floor level. |
|          |                                    |      |          |          |                  |  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 900.     | Apply water based concrete curing comp N | M2   | 43.11  | 1        | 5.41.1            | Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.<br>Non pigmented wet curing compound  |
| 910.     | Apply water based concrete curing comp P | M2   | 156.76 | 1        | 5.41.2            | Supplying and applying pre tested and approved water based concrete curing compound to concrete/ masonry surface, all as per manufacturer's specification and direction of Engineer-in-charge.<br>Pigmented wet curing compound  |
| 920.     | Fixing Coupler 16 mm dia bar             | EA   | 56.80  | 1        | 5.42.1            | Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).<br>Fixing Coupler 16 mm dia bar |
| 930.     | Fixing Coupler 20 mm dia bar             | EA   | 81.93  | 1        | 5.42.2            | Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for mechanical Splices of Bars for Concrete Reinforcement -   |

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|----------|------------------------------|------|--------|----------|-------------------|--|
|          |                              |      |        |          |                   | Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).<br>Fixing Coupler 20 mm dia bar  |
| 940.     | Fixing Coupler 25 mm dia bar | EA   | 100.98 | 1        | 5.42.3            | Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).<br>Fixing Coupler 25 mm dia bar |
| 950.     | Fixing Coupler 28 mm dia bar | EA   | 119.73 | 1        | 5.42.4            | Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading,  |

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|          |   |      |        |          |                   | enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).<br>Fixing Coupler 28 mm dia bar   |
| 960.     | Fixing Coupler 32 mm dia bar            | EA   | 126.68 | 1        | 5.42.5            | Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for mechanical Splices of Bars for Concrete Reinforcement - Specification", to reinforcement bars including threading, enlargement at connection by forging, protecting the prepared reinforcement bars and related operations as required to complete the works per direction of Engineer-in-Charge. (The length of the bars in which coupler is to be provided should not be less than 4 metre, no deduction for labour and binding wire saved for not providing lap length shall be made).<br>Fixing Coupler 32 mm dia bar |
| 970.     | fixing S/S Grade 304 plate 200 mm wide. | M    | 94.65  | 1        | 5.43.1            | Fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints. 200 mm wide.   |
| 980.     | fixing S/S Grade 304 plate 300 mm wide. | M    | 94.65  | 1        | 5.43.2            | Fixing in position Stainless steel Grade 304 plate-1.0 mm thick as per design for expansion joints. 300 mm wide.   |

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| Item No.               | Description                                 | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|------------------------|---|------|----------|----------|------------------|--|
| <b>06 : BRICK WORK</b> |   |      |          |          |                  |  |
| 10.                    | B/W IN FOUNDATION& PLINTH<br>FPS 75 CM1:4   | M3   | 1,637.15 | 1        | 6.1.1            | :Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)   |
| 20.                    | B/W IN FOUNDATION& PLINTH<br>FPS 75 CM1:6   | M3   | 1,637.15 | 1        | 6.1.2            | :Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)   |
| 30.                    | B/W INFOUNDATION&PLINTH,<br>MODLR 75 CM1:4  | M3   | 1,343.83 | 1        | 6.2.1            | :Brick work with modular bricks of class designation 75 in foundation and plinth in:Cement mortar 1:4 (1 cement : 4 coarse sand)   |
| 40.                    | B/W INFOUNDATION&PLINTH,<br>MODLR 75 CM1:6  | M3   | 1,343.83 | 1        | 6.2.2            | :Brick work with modular bricks of class designation 75 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)   |
| 50.                    | B/W ABVPLINTH UPTO5TH<br>FLR,FPS 125 CM1:6  | M3   | 2,775.16 | 1        | 6.3.1            | :Brick work with machine moulded perforated bricks of class designation 125 conforming to IS: 2222 -1991 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : With F.P.S. bricks. |
| 60.                    | B/W ABVPLINTH<br>UPTO5THFLR,MODLR 125 CM1:7 | M3   | 2,466.07 | 1        | 6.3.2            | :Brick work with machine moulded perforated bricks of class designation 125 conforming to IS: 2222 -1991 in  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :With Modular bricks.   |
| 70.      | B/W ABVPLINTH UPTO VTH FLR,FPS 75 CM1:4  | M3   | 2,775.16 | 1        | 6.4.1            | :Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)  |
| 80.      | B/W ABV PLINTH UPTO VTH FLR,FPS 75 CM1:6 | M3   | 2,775.16 | 1        | 6.4.2            | :Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)  |
| 90.      | EXTRA B/W ABOVE FLOOR V FOR EACH 4 FLRS  | M3   | 138.34   | 1        | 6.5              | :Extra for brick work in superstructure above floor V level for each four floors or part thereof by mechanical means by lifting material using mobile crane.   |
| 100.     | EXTRA FOR FORMIN CAVITY IN CAVITY WALL   | M2   | 114.40   | 1        | 6.6              | :Extra for forming cavity 5cm to 7.5cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of fixing bitumastic coated M .S. ties 300mm long of 25x3mm section at not less than 3 ties per sqm as per approved design. |
| 110.     | HALF B/M IN CAVITY WALL,FPS 75,C.M.1:3   | M    | 82.80    | 1        | 6.7              | :Half brick masonry with F.P.S. bricks of class designation 75 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10 cm / 11.4 cm wide bitumen                             |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | felt type 3 grade 1.   |
| 120.     | B/W 7CM THK.,FPS 75 CM1:3 IN SUPERSTR. | M2   | 324.35   | 1        | 6.8              | :Brick work 7 cm thick with F.P.S. brick of class designation 75 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure.  |
| 130.     | B/W IN PLAIN ARCHES<6M SPAN IN CM1:3   | M3   | 5,196.26 | 1        | 6.9              | :Brick work in plain arches in superstructure including centering and shuttering complete for span up to 6 metres with F.P.S. brick of class designation 75 in cement mortar 1:3 (1 cement : 3 coarse sand).   |
| 140.     | B/W IN GAUGED ARCHES<6M SPAN INCM1:3   | M3   | 7,347.73 | 1        | 6.10             | :Brick work in gauged arches in superstructure in cement mortar 1:3 (1 cement : 3 coarse sand) including centering and shuttering complete, for span up to 6 meters with F.P.S. brick of class designation 75. |
| 150.     | EXTRA FOR CENTERING OF ARCHES>6M SPAN  | M2   | 95.03    | 1        | 6.11             | :Extra for additional cost of centering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured).   |
| 160.     | HALF B/M IN FOUNDN&PLINTH,FPS 75,CM1:3 | M2   | 226.65   | 1        | 6.12.1           | :Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in. Cement mortar 1:3 (1 cement : 3 coarse sand)   |
| 170.     | HALF B/M IN FOUNDN&PLINTH,FPS 75,CM1:4 | M2   | 226.65   | 1        | 6.12.2           | :Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in. Cement mortar 1:4 (1 cement : 4 coarse sand)   |



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|----------|---|------|----------|----------|------------------|--|
| 180.     | HALF B/M ABOVE PLINTH TO FLOOR V CM1:3  | M2   | 351.13   | 1        | 6.13.1           | :Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement :3 coarse sand)   |
| 190.     | HALF B/M ABOVE PLINTH TO FLOOR V CM1:4  | M2   | 351.13   | 1        | 6.13.2           | :Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)   |
| 200.     | EXTRA FORHALF B/W >FLR V FOREVERY4 FLRS | M2   | 12.25    | 1        | 6.14             | :Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means by lifting material using mobile crane. |
| 210.     | EXTRAFORPLACING6MM MS BAR IN HALF B/M   | M2   | 0.48     | 1        | 6.15             | :Extra for placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry(with F.P.S. Bricks)   |
| 220.     | TILE B/M IN FDN&PLINTH,CLASS100 IN1:4   | M3   | 2,343.08 | 1        | 6.16.1           | :Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)                                |
| 230.     | TILE B/M IN FDN&PLINTHCLASS100 IN 1:6   | M3   | 2,343.08 | 1        | 6.16.2           | :Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in Cement mortar 1:6  |
| 240.     | TILE B/M IN FDN&PLINTH CLASS125 IN1:6   | M3   | 2,343.08 | 1        | 6.17             | :Tile brick masonry with machine moulded tile bricks of class designation 125 conforming to IS : 2690  |

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|----------|--|------|----------|----------|-------------------|--|
|          |  |      |          |          |                   | (Part I) - 1993 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand).  |
| 250.     | TILE B/MABVPLINTHTOVFLR-CLASS100 IN1:6   | M3   | 3,547.43 | 1        | 6.18              | :Tile brick masonry with tile bricks of class designation 100 in superstructure above plinth level up to floor V level. in cement mortar 1:6 (1 cement : 6 coarse sand).                         |
| 260.     | EXTRAFORTILE B/MABOVEFLR VFOR EVERY 4FLR | M3   |          | 1        | 6.19              | :Extra for tile brick masonry with tile bricks of class designation 100 in superstructure above floor five level for every four floors or part thereof(Deleted)                                  |
| 270.     | TILE B/M IN PLAIN ARCH,CLASS100 IN 1:4   | M3   | 6,193.36 | 1        | 6.20              | :Tile brick masonry with tile bricks of class designation 100 in plain arch work in superstructure in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete.  |
| 280.     | TILE B/M IN GAUGE ARCH,CLASS100, IN1:4   | M3   | 8,504.81 | 1        | 6.21              | :Tile brick masonry with tile bricks of class designation 100 in gauged arch work in superstructure in cement mortar 1:4 (1 cement : 4 coarse sand) including centering and shuttering complete. |
| 290.     | TILEB/M5CM THK,CLASS100-CM1:3-SUPERSTRUC | M2   | 360.89   | 1        | 6.22              | :Tile brick masonry work 5 cm thick with tile bricks of class designation 100 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure.   |
| 300.     | HONEY-COMB B/W-10/11.4CM THK CM1:4       | M2   | 245.99   | 1        | 6.23              | :Honey-comb brick work 10/11.4 cm thick with bricks of class designation 75 in cement mortar 1:4 (1 cement :   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | 4 coarse sand).  |
| 310.     | EXTRA FOR B/W UNDERWATER ORLIQUID MUD  | M3   | 640.48   | 1        | 6.24             | :Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete.  |
| 320.     | EXTRA FOR B/WORK UNDER FOUL POSITION   | M3   | 264.32   | 1        | 6.25             | :Extra for laying brick work in or under foul position.  |
| 330.     | B/W GL TO PL,FPS75,C.M.1:6 INCL.GROOVE | M3   | 1,775.13 | 1        | 6.26.1           | :Brick work with selected F.P.S. bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand)   |
| 340.     | B/w above PL,FPS75,C.M.1:6 incl.groove | M3   | 2,971.68 | 1        | 6.26.2           | :Brick work with selected F.P.S. bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete above Plinth Level Up to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand) |
| 350.     | B/W GL TO PL,MODLR75,CM1:6 INCL.GROOVE | M3   | 1,379.82 | 1        | 6.27.1           | :Brick work with modular bricks of class designation 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand).          |
| 360.     | B/W PL TO V,MODLR75,CM1:6              | M3   | 2,517.83 | 1        | 6.27.2           | Brick work with modular bricks of class designation  |

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|----------|--|------|----------|----------|------------------|--|
|          | INCL.GROOVE                                |      |          |          |                  | 75 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from plinth level to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand).   |
| 370.     | B/W GL TOPL,MODLR125,CM1:6<br>INCL.GROOVE  | M3   | 1,379.82 | 1        | 6.28.1           | :Brick work with machine moulded modular bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand). |
| 380.     | B/W PL TO V ,MODLR125,CM1:6<br>INCL.GROOVE | M3   | 2,517.83 | 1        | 6.28.2           | Brick work with machine moulded modular bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from plinth level up to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand). |
| 390.     | B/W GL TO<br>PL,FPS125,CM1:6INCL.GROOVE    | M3   | 1,673.12 | 1        | 6.29.1           | :Brick work with machine moulded F.P.S. bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand)  |
| 400.     | B/W TO<br>GL,FPS125,CM1:6INCL.GROOVE       | M3   | 2,765.91 | 1        | 6.29.2           | Brick work with machine moulded F.P.S. bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from Plinth level up to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand)  |

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|----------|--|------|----------|----------|------------------|--|
| 410.     | B/w GL-PL,Perftd.FPS125,CM1:6incl.groove | M3   | 1,673.12 | 1        | 6.30.1           | :Brick work with machine moulded perforated F.P.S. bricks of class designation 125 conforming IS : 2222-1991 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand).      |
| 420.     | B/w PL-V,Perftd.FPS125,CM1:6incl.groove  | M3   | 2,811.14 | 1        | 6.30.2           | Brick work with machine moulded perforated F.P.S. bricks of class designation 125 conforming IS : 2222-1991 in exposed brick work including making horizontal and vertical grooves 10mm wide 12 mm deep complete from Plinth level to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand).         |
| 430.     | B/w GL-PL,Per.Mdlr125,CM1:6incl.groove   | M3   | 1,379.82 | 1        | 6.31.1           | :Brick work with machine moulded perforated modular bricks of class designation 125 conforming to IS : 2222 -1991 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level up to plinth level in cement mortar 1:6 (1 cement : 6 coarse sand). |
| 440.     | B/w PL-V,Per.Mdlr125,CM1:6incl.groove    | M3   | 2,517.83 | 1        | 6.31.2           | Brick work with machine moulded perforated modular bricks of class designation 125 conforming to IS : 2222 -1991 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from Plinth level to V level in cement mortar 1:6 (1 cement                            |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | : 6 coarse sand).  |
| 450.     | B/w plin.-flor V,clayflyash FPS75,CM1:4 | M3   | 2,739.90 | 1        | 6.32.1           | :Brick work with clay flyash F.P.S. brick of class designation 75 in superstructure above plinth level up to floor five level in : Cement mortar 1:4 (1 cement : 4 coarse sand)  |
| 460.     | B/w plin.-florV,clayflyash FPS75,CM 1:6 | M3   | 2,739.85 | 1        | 6.32.2           | :Brick work with clay flyash F.P.S. brick of class designation 75 in superstructure above plinth level up to floor five level in : Cement mortar 1:6 (1 cement : 6 coarse sand)  |
| 470.     | Extra For B/w Abv FlrV-ClayFlyAshBrick  | M3   |          | 1        | 6.33             | :Extra for exposed brick work/ clay flyash brick work in superstructure above floor five level, for each four floors or part thereof.  |
| 480.     | B/w GL-PL,"FALG"Brick class100,CM1:4    | M3   | 2,757.36 | 1        | 6.34.1           | :Brick work with modular fly ash lime bricks (FALG Bricks) conforming to IS:12894-2002, class designation 100 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:4 (1 cement : 4 coarse sand) |
| 490.     | B/w abvPL-Flr V,"FALG" class100,CM1:6   | M3   | 2,757.36 | 1        | 6.34.2           | :Brick work with modular fly ash lime bricks (FALG Bricks) conforming to IS:12894-2002, class designation 100 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand) |

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|----------|--|------|----------|----------|------------------|---|
| 500.     | B/w abvPL-FlrV,mod.cal.sili.100,CM1:4  | M3   | 2,757.36 | 1        | 6.35.1           | :Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139-1989, class designation 100 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:4 (1 cement : 4 coarse sand)                   |
| 510.     | B/w abvPL-Flr V,mod.cal.sili.100,CM1:6 | M3   | 2,757.36 | 1        | 6.35.2           | :Brick work with modular calcium silicate bricks machine moulded conforming to IS:4139-1989, class designation 100 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 coarse sand)                   |
| 520.     | B/w Fdn.-Plinth,sewer bricks,CM1:4     | M3   | 1,343.83 | 1        | 6.36.1           | :Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885 - 1988) in foundation and plinth : Cement Mortar 1:4 ( 1 cement : 4 coarse sand)  |
| 530.     | B/w in arch,Fdn.-PL,sewer brick,C.M1:3 | M3   | 4,067.50 | 1        | 6.37             | :Brick work with modular extruded brunt fly ash clay sewer bricks (conforming to IS : 4885-1988) in arches in foundation and plinth in cement mortar 1:3 ( 1 cement : 3 fine sand).   |
| 540.     | AAC Blocks M/W,PL-FloorV,CM1:4         | M3   | 2,443.63 | 1        | 6.38             | :Laying autoclaved aerated cement blocks masonry with 100mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand ) The rate includes placing in position 2 Nos. 6 mm dia M.S. bars at every third course |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | of masonry work.  |
| 550.     | AAC block masonry in superstructure      | M3   |          | 1        | 6.39             | :Extra for AAC block masonry in superstructure above floor V level for every four floors or part there of.  |
| 560.     | Gypsum Panel Partition abv Plinth-FlrV   | M2   | 103.28   | 1        | 6.40             | :Laying Gypsum panel partitions 100mm thick with water proof Gypsum panels of size 666x500x100mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturers specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm2 |
| 570.     | Extra For Gypsum Panel Abv FloorV        | M2   | 101.27   | 1        | 6.41             | :Extra for Gypsum panel Partitions in superstructure above floor V level for every four floors or part thereof.   |
| 580.     | B/WABVPLINTH-FLRV1:4-AUTOCLVFLYASLIMEBRK | M3   | 2,775.16 | 1        | 6.42.1           | :Brick work with mechanized autoclaved flyash lime bricks conforming to IS: 12894 :2002 of class designation 100 in superstructure above plinth level up to floor V level in. Cement mortar 1:4 (1 cement :4 coarse sand)   |
| 590.     | B/WABVPLINTH-FLRV1:6-AUTOCLVFLYASLIMEBRK | M3   | 2,775.16 | 1        | 6.42.2           | :Brick work with mechanized autoclaved flyash lime bricks conforming to IS: 12894 :2002 of class designation 100 in superstructure above plinth level up to floor V level in. Cement mortar 1:6 (1 cement :6 coarse sand)   |



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|----------|--|------|--------|----------|------------------|--|
| 600.     | EXTRAFOR AUTOCLVFLYASLIMEBRKWORK ABVFLRV | M3   |        | 1        | 6.43             | :Extra for mechanized autoclave flyash lime bricks conforming to IS: 12894- 1990 of class designation 100 in superstructure above floor V level for each four floors or part thereof.  |
| 610.     | BRICK EDGING TO PLINTH IN CM1:4          | M    | 17.10  | 1        | 6.44             | :Brick edging 7cm wide 11.4cm. deep to plinth protection with bricks of class designation 75 including grouting with cement mortar 1:4 (1 cement : 4 fine sand)  |
| 620.     | Half BK with FALG bricks above PL in 1:3 | M2   | 351.13 | 1        | 6.45.1           | Half brick masonry with non modular fly ash lime Gypsum bricks (FALG bricks) class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. - CM 1 : 3 (1 cement : 3 coarse sand)                   |
| 630.     | Half BK with FALG bricks above PL in 1:4 | M2   | 351.13 | 1        | 6.45.2           | Half brick masonry with non modular fly ash lime Gypsum bricks (FALG bricks) class designation 10, conforming to IS : 12894, in super structure above plinth and upto floor V level. - CM 1 : 4 (1 cement : 4 coarse sand)                   |
| 640.     | Half BK with Lime bricks above PL in 1:3 | M2   | 351.13 | 1        | 6.46.1           | Half brick masonry with non modular mechanised auto claved fly ash sand lime bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and upt floor V level. Cement mortar 1 : 3 (1 cement : 3 coarse sand) |
| 650.     | Half BK with Lime bricks above PL        | M2   | 351.13 | 1        | 6.46.2           | Half brick masonry with non modular mechanised auto  |

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|------------------------|---|------|----------|----------|-------------------|---|
|                        | in 1:4                                      |      |          |          |                   | claved fly ash sand lime bricks of class designation 10, conforming to IS : 12894, in super structure above plinth and up to floor V level. Cement mortar 1 : 4 (1 cement : 4 coarse sand)  |
| <b>07 : STONE WORK</b> |   |      |          |          |                   |   |
| 10.                    | RANDOM RUBBLE MASONRY-CC1:6:12-FNDN, PLINTH | M3   | 2,163.76 | 1        | 7.1.1             | :Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with: Cement mortar 1:6 (1 cement : 6 coarse sand)                            |
| 20.                    | EXTRA FOR RRMASONRY-CC1:6:12-ABOV PLINTH    | M3   | 3,289.32 | 1        | 7.2               | :Extra for random rubble masonry with hard stone in superstructure above plinth level and up to floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at window sills, ceiling level and the like. |
| 30.                    | E/F RRM WITH HARD STONE>FLOORV, EACH 4      | M3   |          | 1        | 7.3               | :Extra for random rubble masonry with hard stone in superstructure above floor V level for every four floors or part thereof  |
| 40.                    | COURSE RUBBLE MASONRY: FOUNDATION & PLINTH  | M3   | 554.85   | 1        | 7.4.1             | :Extra for random rubble masonry with hard stone in :Square or rectangular pillars  |
| 50.                    | E/F RRM WITH HARD                           | M3   | 1,176.35 | 1        | 7.4.2             | :Extra for random rubble masonry with hard stone in   |

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|----------|--|------|----------|----------|-------------------|---|
|          | STONE:SQ.,REC.PILLAR                     |      |          |          |                   | :Circular pillars.  |
| 60.      | E/F RRM WITH HARDSTONE CURVEDONPLAN:R<6M | M3   | 494.97   | 1        | 7.5               | :Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.  |
| 70.      | E/F RRM WITH HARD STONE:CIR. PILLAR.     | M3   | 2,867.13 | 1        | 7.6.1             | :Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :Cement mortar 1:6 (1 cement : 6 coarse sand)  |
| 80.      | CRM(2ND SORT)WITH HARD STONE:FND.&PLINTH | M3   | 2,620.85 | 1        | 7.7.1             | :Coursed rubble masonry (first sort) with hard stone in foundation and plinth with :Coursed rubble masonry (second sort) with hard stone in foundation & plinth with:Cement mortar 1:6 (1 cement : 6 coarse sand) |
| 90.      | E/F CRM WITH HARD STONE>PLINTH,?FLOORV.  | M3   | 3,975.15 | 1        | 7.8               | :Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level.  |
| 100.     | E/F CRM WITH HARD STONE>FLRV,EACH 4 FLR  | M3   |          | 1        | 7.9               | :Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above floor V level for every four floors or part thereof.   |
| 110.     | E/F CRM WITH HARD STONE:SQ.,REC. PILLAR  | M3   | 616.42   | 1        | 7.10.1            | :Extra for coursed rubble masonry with hard stone (first or second sort) in :Square or rectangular pillars  |
| 120.     | E/F CRM WITH HARD                        | M3   | 1,347.37 | 1        | 7.10.2            | :Extra for coursed rubble masonry with hard stone (first or   |

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|----------|---|------|-----------|----------|------------------|---|
|          | STONE:CIR. PILLAR.                      |      |           |          |                  | second sort) in :Circular pillars.  |
| 130.     | E/F CRM WITH HARD STONE CURVED:R<6M     | M3   | 536.02    | 1        | 7.11             | :Extra for coursed rubble masonry with hard stone (first or second sort) curved on plan for a mean radius not exceeding 6m.   |
| 140.     | S/WIN P.ASHLAR?FLRV:1 FC DRES:REDSSTN   | M3   | 26,204.00 | 1        | 7.12.1.1         | :Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:One face dressed.:Red sand stone   |
| 150.     | S/W IN P.ASHLAR?FLRV:1FACE DRESS:WSS    | M3   | 26,204.00 | 1        | 7.12.1.2         | :Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:One face dressed.:White sand stone |
| 160.     | S/W IN P.ASHLAR?FL.V:BOTH FACE DRES:RSS | M3   | 39,591.00 | 1        | 7.12.2.1         | :Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Both faces dressed.Red sand stone. |
| 170.     | S/W IN P.ASHLAR?FL.V:BOTH FACE DRES:WSS | M3   | 39,591.00 | 1        | 7.12.2.2         | :Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement  |

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|----------|--|------|-----------|----------|-------------------|--|
|          |  |      |           |          |                   | : 2 stone dust) with an admixture of pigment matching the stone shade:Both faces dressed.White sand stone  |
| 180.     | S/W IN P.ASHLAR IN ARCHES,1-F, 1:3:RSS | M3   | 31,894.00 | 1        | 7.13.1.1          | :Stone work plain ashlar in arches in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade, One face dressed:Red sand stone     |
| 190.     | S/W IN P.ASHLAR IN ARCHES,1-F, 1:3:WSS | M3   | 31,894.00 | 1        | 7.13.1.2          | :Stone work plain ashlar in arches in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade, One face dressed:White sand stone   |
| 200.     | S/w in p.ashlar In arches,CM 1:3:RSS   | M3   | 45,281.00 | 1        | 7.13.2.1          | :Stone work plain ashlar in arches in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade, Both face dressed:Red sand stone    |
| 210.     | S/w in p.ashlar In arches,CM 1:3:WSS   | M3   | 45,281.00 | 1        | 7.13.2.2          | :Stone work plain ashlar in arches in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade, Both face dressed: White sand stone |

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|----------|--------------------------------------|------|-----------|----------|-------------------|---|
| 220.     | S/w in p.ashlar in domes,CM 1:3:RSS  | M3   | 57,583.00 | 1        | 7.14.1.1          | :Stone work plain ashlar in domes in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone   |
| 230.     | S/w in p.ashlar in domes,CM 1:3:WSS  | M3   | 57,583.00 | 1        | 7.14.1.2          | Stone work plain ashlar in domes in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:White sand stone  |
| 240.     | S/w in p.ashlar in domes,CM 1:3:RSS  | M3   | 91,486.00 | 1        | 7.14.2.1          | :Stone work plain ashlar in domes in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:White sand stone |
| 250.     | S/w in p.ashlar in domes,CM 1:3:WSS  | M3   | 91,486.00 | 1        | 7.14.2.2          | Stone work plain ashlar in domes in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:White sand stone  |
| 260.     | S/w ashlar punched#fl.V:RSS:One face | M3   | 24,220.00 | 1        | 7.15.1.1          | :Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2   |

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|----------|---|------|-----------|----------|------------------|--|
|          |   |      |           |          |                  | (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone:One faced punched.  |
| 270.     | S/w ashlar punch#fl.V:RSS:double face   | M3   | 35,624.00 | 1        | 7.15.1.2         | :Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone:Double faced punched.   |
| 280.     | S/w ashlar punched#fl.V:WSS:single face | M3   | 24,220.00 | 1        | 7.15.2.1         | :Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:white sand stone:single faced punched. |
| 290.     | S/w ashlar punched#fl.V:RSS:double face | M3   | 35,624.00 | 1        | 7.15.2.2         | :Stone work ashlar punched (ordinary) in superstructure upto floor five level in cement mortar 1:6 (1 white cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:white sand stone:double faced punched. |
| 300.     | E/f S/w,ashlar plain,punch>fl.V,each4.  | M3   | 1,171.00  | 1        | 7.16             | :Extra for stone work, plain ashlar or ashlar punched above floor V level for every four floors or part thereof.   |

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| Item No. | Description                               | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|-----------|----------|------------------|--|
| 310.     | E/f plain,punch ashlar:Sq.,rec.pillars    | M3   | 2,364.00  | 1        | 7.17.1           | :Extra for plain ashlar or ashlar punched in :Square or rectangular pillars  |
| 320.     | E/f plain,punch ashlar:curved r<6m        | M3   | 1,645.00  | 1        | 7.18             | :Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6 m.   |
| 330.     | E/f centering for arches:> 6m span        | M2   | 95.03     | 1        | 7.19             | :Extra for additional cost of centering for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured).   |
| 340.     | SunkMouldedStnWrkUptoFlrV-Red Sand Stone  | M3   | 42,217.00 | 1        | 7.20.1           | :Stone work sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade: Red sand stone   |
| 350.     | SunkMouldedStnWrkUptoFlrV-Whit SandStone  | M3   | 42,217.00 | 1        | 7.20.2           | :Stone work sunk and moulded upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade: White sand stone |
| 360.     | ExtraForStnWrkCarvd- Tring,Sq,Rect.Pillar | M3   | 3,085.00  | 1        | 7.21.1           | :Extra for stone work sunk or moulded or sunk and moulded or carved in :Triangular or Square or rectangular pillars  |



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|----------|---|------|----------|----------|-------------------|---|
| 370.     | ExtraForStnWrkCarvd-Circ.Polyg.Pillar     | M3   | 8,740.00 | 1        | 7.21.2            | :Extra for stone work sunk or moulded or sunk and moulded or carved in :Circular or polygonal pillars   |
| 380.     | E/f s/w sunk&moulded in cornices.         | M    | 34.72    | 1        | 7.22              | :Extra for stone work sunk or moulded in cornices.  |
| 390.     | S/W FORWALLLINING<br>ETC:RSS-DRESED:70MM  | M2   | 2,593.20 | 1        | 7.23.1.1          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - exposed face fine dressed with rough backing:70mm thick. |
| 400.     | S/W FOR WALLLINING<br>ETC:RSS-DRESED:60MM | M2   | 2,593.20 | 1        | 7.23.1.2          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - exposed face fine dressed with rough backing:60mm thick. |
| 410.     | S/W FOR WALLLINING<br>ETC:RSS-DRESED:50MM | M2   | 2,593.20 | 1        | 7.23.1.3          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick  |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - exposed face fine dressed with rough backing:50mm thick.  |
| 420.     | S/W FORWALL LINING<br>ETC:RSS-DRESED:40MM  | M2   | 2,593.20 | 1        | 7.23.1.4          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - exposed face fine dressed with rough backing:40mm thick. |
| 430.     | S/W FOR WALL LINING<br>ETC:RSS-DRESED:30MM | M2   | 2,593.20 | 1        | 7.23.1.5          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - exposed face fine dressed with rough backing:30mm thick. |

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|----------|---|------|----------|----------|------------------|---|
| 440.     | S/W FOR WALL LINING:RSS-CUT&RUBBED:70MM | M2   | 3,893.05 | 1        | 7.23.2.1         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - Exposed face machine cut and table rubbed ·with rough backing:70mm thick |
| 450.     | S/W FOR WALL LINING:RSS-CUT&RUBBED:60MM | M2   | 3,893.05 | 1        | 7.23.2.2         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - Exposed face machine cut and table rubbed ·with rough backing:60mm thick |
| 460.     | S/W FOR WALL LINING:RSS-CUT&RUBBED:50MM | M2   | 3,893.05 | 1        | 7.23.2.3         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of   |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | cramps which shall be paid for separately) :Red sand stone - Exposed face machine cut and table rubbed ·with rough backing:50mm thick   |
| 470.     | S/W FOR WALL LINING:RSS-CUT&RUBBED:40MM  | M2   | 3,893.05 | 1        | 7.23.2.4         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - Exposed face machine cut and table rubbed ·with rough backing:40mm thick |
| 480.     | S/W FOR WALL LINING:RSS-CUT&RUBBED:30MM  | M2   | 3,893.05 | 1        | 7.23.2.5         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :Red sand stone - Exposed face machine cut and table rubbed ·with rough backing:30mm thick |
| 490.     | S/W FOR WALL LINING ETC:WSS-DRESSED:70MM | M2   | 2,593.20 | 1        | 7.23.3.1         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including   |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - exposed face fine dressed with rough backing70mm thick.  |
| 500.     | S/W FOR WALL LINING<br>ETC:WSS-DRESSED:60MM | M2   | 2,593.20 | 1        | 7.23.3.2         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - exposed face fine dressed with rough backing60mm thick |
| 510.     | S/W FOR WALL LINING<br>ETC:WSS-DRESSED:50MM | M2   | 2,593.20 | 1        | 7.23.3.3         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - exposed face fine dressed with rough backing50mm thick |

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| Item No. | Description                                    | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 520.     | S/W FOR WALL LINING<br>ETC:WSS-DRESSED:40MM    | M2   | 2,593.20 | 1        | 7.23.3.4         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - exposed face fine dressed with rough backing40mm thick  |
| 530.     | S/W FOR WALL LINING<br>ETC:WSS-DRESSED:30MM    | M2   | 2,593.20 | 1        | 7.23.3.5         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - exposed face fine dressed with rough backing30mm thick. |
| 540.     | S/W FOR WALL<br>LINING:WSS-<br>CUT&RUBBED:70MM | M2   | 3,893.05 | 1        | 7.23.4.1         | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand   |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | stone - Exposed face machine cut and table rubbed with rough backing 70mm thick.  |
| 550.     | S/W FOR WALL LINING:WSS-CUT&RUBBED:60MM | M2   | 3,893.05 | 1        | 7.23.4.2          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - Exposed face machine cut and table rubbed with rough backing 60mm thick. |
| 560.     | S/W FOR WALL LINING:WSS-CUT&RUBBED:50MM | M2   | 3,893.05 | 1        | 7.23.4.3          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - Exposed face machine cut and table rubbed with rough backing 50mm thick  |
| 570.     | S/W FOR WALL LINING:WSS-CUT&RUBBED:40MM | M2   | 3,893.05 | 1        | 7.23.4.4          | : Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - Exposed face machine cut and table rubbed with rough backing40mm thick.  |
| 580.     | S/W FOR WALL LINING:WSS-CUT&RUBBED:30MM  | M2   | 3,893.05 | 1        | 7.23.4.5          | :Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing by means of cramps which shall be paid for separately) :White sand stone - Exposed face machine cut and table rubbed with rough backing30mm thick |
| 590.     | EXTRA FOR STONE WORK CURVED ON PLAN      | M3   | 2,364.00 | 1        | 7.24              | :Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.  |
| 600.     | STAIN.STEEL CRAMPSFORANCHORINGIN STNWALL | KG   | 195.13   | 1        | 7.25              | :Fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases in stone and holes in walls wherever required.  |
| 610.     | FIXING STONE                             | EA   | 38.64    | 1        | 7.26              | :Fixing stone dowels 10x5x2.50cm cut to double wedge  |



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|----------|---|------|----------|----------|-------------------|---|
|          | DOWELS-10X5X2.5<br>CMDOUBLEEDGE                 |      |          |          |                   | shape as per design in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases.  |
| 620.     | COPPER PINS IN STONE WALL LINING                | EA   | 16.02    | 1        | 7.27              | :Fixing copper pins 7.5cm long 6mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand) including making the necessary chases.  |
| 630.     | SLOPINGCHAJJA<br>WITHBRKCOPING-<br>REDSANDSTONE | M2   | 1,270.62 | 1        | 7.28.1.1          | :Fixing sloping chajja of stone 40mm thick and upto 80cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12mm diameter anchoring steel bar 45cm long fixed in each stone and supported on and including with bricks cove of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone:With F.P.S Bricks |
| 640.     | SLOPINGCHAJJAWITHBRKCOPIN<br>G-WHITSANDSTONE    | M2   | 1,270.62 | 1        | 7.28.2.1          | :Fixing sloping chajja of stone 40mm thick and upto 80cm wide beyond the wall as measured along the slope in cement mortar 1:4 (1 cement : 4 coarse sand) with 12mm diameter anchoring steel bar 45cm long fixed in each stone and supported on and including with bricks cove of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment   |

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|----------|---|------|-----------|----------|------------------|---|
|          |   |      |           |          |                  | matching the stone shade:white sand stone   |
| 650.     | HORIZONTAL CHAJJA-RED SAND STONE        | M2   | 774.19    | 1        | 7.29.1           | :Fixing horizontal chajja of stone 40mm thick and upto 80cm projection in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone   |
| 660.     | HORIZONTAL CHAJJA-WHITE SAND STONE      | M2   | 774.19    | 1        | 7.29.2           | :Fixing horizontal chajja of stone 40mm thick and upto 80cm projection in cement mortar 1:4 (1 cement : 4 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:White sand stone |
| 670.     | RED SAND STONE SUN-SHADE IN WALLS       | M2   | 818.47    | 1        | 7.30             | :30mm red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in walls with cement mortar 1:4 (1 cement : 4 coarse sand) including finishing complete.  |
| 680.     | RED SAND STONE BRACKETS 55X22.5X45 CM   | EA   | 3,130.88  | 1        | 7.31             | :Fixing red sand stone brackets 55x22.5x45cm sunk and moulded including fixing with 4 Nos.gun metal cramp 25x6mm 30cm long and dowel bars 7.5cm long 6mm dia as per design.   |
| 690.     | S/WINCOPING,PLINTHCOURSE TC.REDSANDSTON | M3   | 41,451.26 | 1        | 7.32.1           | :Stone work, plain in copings, cornices, string courses and plinth courses, upto 75mm thick in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white   |

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|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          |                  | cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone   |
| 700.     | S/WINCOPING,PLINTHCOURSE<br>TC.WHITSNDSTON | M3   | 41,451.26 | 1        | 7.32.2           | :Stone work, plain in copings, cornices, string courses and plinth courses, upto 75mm thick in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:White sand stone |
| 710.     | STONE JALI 40 MM THK:RED<br>SAND STONE     | M2   | 8,393.84  | 1        | 7.33.1           | :Fixing stone jali 40mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc:Red sand stone                   |
| 720.     | STONE JALI 40MM THK:WHITE<br>SAND STONE    | M2   | 8,393.84  | 1        | 7.33.2           | :Fixing stone jali 40mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc:White sand stone                 |
| 730.     | EXTRAFORSTNWRK-UNDER<br>WATER/LIQUID MUD   | M3   | 640.48    | 1        | 7.34             | :Extra for laying stone work in or under water and / or liquid mud including cost of pumping or bailing out water and removing slush etc. complete. (cum / mtr depth)  |

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| Item No. | Description                                  | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 740.     | EXTRA FOR STONEWORK UNDER FOUL POSITION      | M3   | 264.32   | 1        | 7.35              | :Extra for laying stone work in or under foul position.  |
| 750.     | WALL LINING WITH DHOLPUR STONE-HT?10 M       | M2   | 1,211.59 | 1        | 7.36              | :Wall lining butch work upto 10m height with Dholpur stone 40mm thick rough facing on the exposed surface with stone strips of minimum length 300mm and required width including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75mm and by providing layer of 75mm thick strips i/c 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) i/c ruled pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge. |
| 760.     | WALL LINING WITH 25MM THK KOTA STONE         | M2   | 1,864.38 | 1        | 7.37.1.1          | :Stone work ( machine cut edges) for wall lining upto 10 m height etc. (Veneer work) backing filled with a grout of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with cement mortar 1:2 (1 cement : 2 stone dust) including rubbing and polishing complete. (To be secured to the backing by means of cramps which shall be paid for separately)Kota stone slabs exposed face dressed and rubbed:25mm thick.  |
| 770.     | STONE TILEWORK-8MM THK MIRROR POLISH GRANITE | M2   | 1,224.30 | 1        | 7.38.1.1          | :Stone tile work for wall lining upto 10 m height with special adhesive over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement with an admixture of pigment to match the stone   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | shade:8mm thick (mirror polished and machine cut edge):Granite stone of any colour and shade.  |
| 780.     | STONETILEWORK-<br>WHITE,BLACK,GREEN MARBLE | M2   | 1,224.30 | 1        | 7.38.1.2         | :Stone tile work for wall lining upto 10 m height with special adhesive over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement with an admixture of pigment to match the stone shade:8mm thick (mirror polished and machine cut edge):Raj Nagar plain white marble / Udaipur green marble / Zebra black marble.      |
| 790.     | EXTRA FORWALL LININGON<br>EXT.WALL-HT>10M  | M2   | 116.83   | 1        | 7.39             | :Extra for stone work for wall lining on exterior walls of height more than 10m from ground level for every additional height of 3 m or part there of.   |
| 800.     | DRYCLADDING WITH RED SAND<br>STONE         | M2   | 1,836.35 | 1        | 7.40.1           | :Fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and / or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-Charge:Red sand stone. |
| 810.     | DRYCLADDING WITH WHITE<br>SAND STONE       | M2   | 1,836.35 | 1        | 7.40.2           | :Fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and / or with the help of cramps, pins etc.   |

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|----------|---|------|-------|----------|-------------------|---|
|          |   |      |       |          |                   | and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-Charge: White sand stone   |
| 820.     | STRUC.STEELFRAMEFORSUPPO<br>RTSTONECLADDING | KG   | 75.56 | 1        | 7.41              | : Fixing structural steel frame (for dry cladding with 30mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square / rectangular tube in the required pattern as per architectural drawing including cost of cutting, bending, welding etc. The frame work shall be supported in wall with the help of MS brackets / lugs of angle iron / flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) of size 300x230x300mm including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface including drilling necessary holes. Approved cramps / pins etc. shall be welded to the frame work to support stone cladding the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-Charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-Charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment and nothing extra shall be paid.) |

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| Item No.                | Description                                  | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|-------------------------|--|------|----------|----------|------------------|---|
| 830.                    | ADJUSTABLESTEELCRAMP<br>FORDRYSTONECLADDING  | EA   | 150.62   | 1        | 7.42             | :Fixing adjustable stainless steel cramps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-Charge.   |
| <b>08 : MARBLE WORK</b> |  |      |          |          |                  |   |
| 10.                     | COLOURMARBLEINWALLLINING,<br>AR.UPTO 0.5 M2  | M2   | 2,782.60 | 1        | 8.1.1.1          | :Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately).Raj Nagar Plain white marble / Udaipur green marble / Zebra black marble.Area of slab upto 0.50 sqm |
| 20.                     | COLOURMARBLEINWALLLINING,<br>AR.ABOVE 0.5 M2 | M2   | 2,782.00 | 1        | 8.1.1.2          | :Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately).Raj Nagar Plain white marble / Udaipur green marble / Zebra black                                   |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | marble.Area of slab over 0.50 sqm  |
| 30.      | COLOURMARBLEINKITCHNPLAT FRM,AR.UPTO0.5M2 | M2   | 1,564.46 | 1        | 8.2.1.1          | :Fixing 18mm thick gang saw cut (mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.Raj Nagar Plain white marble / Udaipur green marble / Zebra black marble.Area of slab upto 0.50 sqm. |
| 40.      | COLOURMARBLEINKITCHNPLAT FRM,AR.ABOV0.5M2 | M2   | 1,249.75 | 1        | 8.2.1.2          | :Fixing 18mm thick gang saw cut (mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.Raj Nagar Plain white marble / Udaipur green marble / Zebra black marble.Area of slab over 0.50 sqm  |
| 50.      | COLRGRANITEINKITCHNPLATFR                 | M2   | 1,564.46 | 1        | 8.2.2.1          | :Fixing 18mm thick gang saw cut (mirror polished   |



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|----------|--|------|----------|----------|------------------|---|
|          | M,AR.UPTO0.50M2                              |      |          |          |                  | premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.Granite of any colour and shadeArea of slab upto 0.50 sqm  |
| 60.      | COLRGRANITEINKITCHNPLATFR<br>M,AR.ABOV0.50M2 | M2   | 1,146.93 | 1        | 8.2.2.2          | :Fixing 18mm thick gang saw cut (mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.Granite of any colour and shadeArea of slab over 0.50 sqm |
| 70.      | EXTRA FOR EDGE MOULDING<br>BY MARBLE         | M    | 189.91   | 1        | 8.3.1            | :Extra for providing edge moulding to 18mm thick marble stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-inCharge.Marble work   |
| 80.      | EXTRA FOR EDGE MOULDING                      | M    | 322.85   | 1        | 8.3.2            | :Extra for providing edge moulding to 18mm thick marble   |

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| Item No. | Description  | Unit           | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|----------------|--------|----------|-------------------|---|
|          | BY GRANITE   |                |        |          |                   | stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work  |
| 90.      | EXTRA FOR MARBLE / GRANITE SET OVER CORRESPONDING SITE | M              | 352.31 | 1        | 8.4               | :Extra for fixing marble/granite stone over and above corresponding basic item, in fascia and drops of width upto 150mm with epoxy resin based adhesive including cleaning etc. complete.   |
| 100.     | EXTRA FOR PROVIDING OPENING IN MARBLE WORK             | EA             | 603.90 | 1        | 8.5               | :Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / Granite / stonework including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete. |
| 110.     | MIRROR POLISHING MARBLE, GRANITE, STONEWORK            | M <sup>2</sup> | 306.76 | 1        | 8.6               | :Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.  |
| 120.     | FIXING CRAMP IN RCC, CC-GUNMETAL                       | KG             | 176.94 | 1        | 8.7.1             | :Fixing cramps of required size & shape in RCC / CC backing with cement mortar 1:2 ( 1 cement : 2 coarse sand) including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately). Gunmetal cramps.   |
| 130.     | FIXING CRAMP IN RCC, CC-STAINLESS STEEL                | KG             | 195.13 | 1        | 8.7.2             | :Fixing cramps of required size & shape in RCC / CC backing with cement mortar 1:2 ( 1 cement : 2 coarse  |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | sand) including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately). Stainless steel cramps.  |
| 140.     | HOLDFASTENEREXPANSIONTYPE-THREAD DIA6MM  | EA   | 14.60    | 1        | 8.8.1.1          | :Fixing expansion hold fasteners on C.C. / R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete. Wedge expansion type.Fastener with threaded dia 6mm.   |
| 150.     | HOLDFASTENEREXPANSIONTYPE-THREAD DIA10MM | EA   | 14.60    | 1        | 8.8.1.2          | :Fixing expansion hold fasteners on C.C. / R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete. Wedge expansion type.Fastener with threaded dia 10mm.  |
| 160.     | HOLDFASTENEREXPANSIONTYPE-THREAD DIA12MM | EA   | 14.60    | 1        | 8.8.1.3          | :Fixing expansion hold fasteners on C.C. / R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete. Wedge expansion type.Fastener with threaded dia 12mm.  |
| 170.     | STONETILEWRKFORWALLLINING-COLOUR MARBLE  | M2   | 1,539.09 | 1        | 8.9.1.1          | :Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete.8mm thick.Raj nagar plain white marble / Udaipur green marble / Zebra black marble. |
| 180.     | STONETILEWRKFORWALLLINING-ANYCOLRGRANITE | M2   | 1,539.09 | 1        | 8.9.1.2          | :Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and  |

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| Item No.                 | Description                          | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|--------------------------|--------------------------------------|------|-----------|----------|------------------|--|
|                          |                                      |      |           |          |                  | cement slurry @ 3.3 kg/sqm including pointing in white cement complete.8mm thick.Granite of any colour and shade.  |
| 190.                     | URINALPARTITION-WHITE MARBLE STONE   | M2   | 606.93    | 1        | 8.10.1           | :Fixing stone slab table rubbed, edges rounded and polished of size 75x50cm deep and 1.8cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-Charge and finished smooth.White Agaria Marble Stone.       |
| 200.                     | URINALPARTITION-GRANITE STONE        | M2   | 606.93    | 1        | 8.10.2           | :Fixing stone slab table rubbed, edges rounded and polished of size 75x50cm deep and 1.8cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-Charge and finished smooth.Granite Stone of approved shade. |
| <b>09 : WOOD AND PVC</b> |                                      |      |           |          |                  |  |
| 10.                      | WOODWORK @DOOR WINDOW W/2NDCLASSTEAK | M3   | 16,214.72 | 1        | 9.1.1            | :Wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :Second class teak wood  |

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| 20.      | WOODWORK @DOOR WINDOW W/SAL WOOD          | M3   | 16,214.72 | 1        | 9.1.2             | :Wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :Sal wood  |
| 30.      | WOODWORK @DOOR WINDOW W/HOLLOCK WOOD      | M3   | 16,871.39 | 1        | 9.1.3             | :Wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position :Kiln seasoned and chemically treated Hollock wood.  |
| 40.      | PROVIDE LAMINATED VENEER LUMBER @DOOR ETC | M3   | 11,627.78 | 1        | 9.2               | :Laminated veneer lumber conforming to IS :14616 and TAD -15: 2001( Part B) in factory made frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position as per directions of Engineer-in-Charge. |
| 50.      | WOODWORK@CEILING PARTITIONS W/SAI WOOD    | M3   | 8,933.04  | 1        | 9.3.1             | :Wood work in frames of false ceiling, partitions etc. sawn and put up in position :Sal wood   |
| 60.      | WOODWORK@CEILING PARTITIONS W/HOLLOCKWOOD | M3   | 9,236.71  | 1        | 9.3.2             | :Wood work in frames of false ceiling, partitions etc. sawn and put up in position :Kiln seasoned and chemically treated Hollock wood.   |
| 70.      | CIRCULAR WORKS W/2NDCLASS TEAK WOOD       | M3   | 1,621.39  | 1        | 9.4.1             | :Extra for additional labour for circular works, such as in frames of fan light:Second class teak wood   |
| 80.      | CIRCULAR WORKS W/SAI WOOD                 | M3   | 1,621.39  | 1        | 9.4.2             | :Extra for additional labour for circular works, such as in frames of fan light:Sal wood   |

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| 90.      | CIRCULAR WORKS<br>W/SEASONED HOLLOCK WOOD   | M3   | 1,687.22 | 1        | 9.4.3            | :Extra for additional labour for circular works, such as in frames of fan light:Kiln seasoned and chemically treated Hollock wood.  |
| 100.     | WINDOW 2NDCLASS<br>TEAKWOOD W/35MM SHUTTER  | M2   | 888.42   | 1        | 9.5.1.1          | :Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately. Second class teak wood.35mm thick shutters                            |
| 110.     | WINDOW 2NDCLASS<br>TEAKWOOD W/30MM SHUTTER  | M2   | 888.42   | 1        | 9.5.1.2          | :Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately. Second class teak wood.30mm thick shutters                            |
| 120.     | SEASONED HOLLOCK WOOD<br>W/35MM THK SHUTTER | M2   | 899.53   | 1        | 9.5.2.1          | :Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.Kiln seasoned and chemically treated Hollock wood. 35mm thick shutters |
| 130.     | SEASONED HOLLOCK WOOD<br>W/30MM THK SHUTTER | M2   | 899.53   | 1        | 9.5.2.2          | :Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.Kiln seasoned and chemically treated Hollock wood.30mm                 |

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|          |  |      |        |          |                  | thick shutters   |
| 140.     | SEASONED SESAM WOOD W/35MM THK SHUTTER | M2   | 888.42 | 1        | 9.5.3.1          | :Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.Kiln seasoned and chemically treated sheesham wood. 35mm thick shutters   |
| 150.     | SEASONED SESAM WOOD W/30MM THK SHUTTER | M2   | 888.42 | 1        | 9.5.3.2          | Fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.Kiln seasoned and chemically treated sheesham wood. 30mm thick shutters  |
| 160.     | DOORSHUTTER W/12MM PLAIN GRADE1 BOARD  | M2   | 384.87 | 1        | 9.6.1            | :Fixing 35mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B) including ISI marked black enameled M.S. butt hinges with necessary screws as per directions of Engineer-in-Charge and panelling with panels of: 12mm thick plain grade - 1, medium density flat pressed three layer particle board FPT - I or graded wood particle board FPT - I IS : 3087 marked bonded with BWP type synthetic resin adhesive as per IS : 848 : |
| 170.     | DOORSHUTTER W/12MM PRE LAMINATED BOARD | M2   | 384.87 | 1        | 9.6.2            | :Fixing 35mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001   |

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|          |   |      |        |          |                   | (Part B) including ISI marked black enameled M.S. butt hinges with necessary screws as per directions of Engineer-in-Charge and panelling with panels of:12mm thick pre-laminated particle board (decorative lamination on both sides) grade - 1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT - I, conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823 Grade 1, Type - II marked:   |
| 180.     | DOORSHUTTER<br>W/12MM1SIDEPRELAMINATEDBOARD | M2   | 384.87 | 1        | 9.6.3             | :Fixing 35mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B) including ISI marked black enameled M.S. butt hinges with necessary screws as per directions of Engineer-in-Charge and panelling with panels of:12mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade - 1 medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823 Grade -1, Type II marked: |
| 190.     | PANEL SHUTTER 25-40MM<br>W/2NDCLASSTEAKWOOD | M2   | 728.86 | 1        | 9.7.1             | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts  |



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|          |  |      |        |          |                  | excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick:Second class teak wood   |
| 200.     | PANEL SHUTTER25-40MM W/ HOLLOCK WOOD     | M2   | 764.70 | 1        | 9.7.2            | Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Kiln seasoned and chemically treated Hollock wood  |
| 210.     | PANEL SHUTTER W/BOTHSIDE DECORATIVEVENER | M2   | 736.12 | 1        | 9.7.3.1          | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Ply wood 5 ply, 9mm thick:Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type. |
| 220.     | PANEL SHUTTER W/ONE SIDE DECORATIVEVENER | M2   | 736.12 | 1        | 9.7.3.2          | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Ply wood 5 ply, 9mm   |

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|          |  |      |        |          |                   | thick:Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type   |
| 230.     | PLYWOOD 7PLY 9 W/ONESIDE DECORATIVEVENER | M2   | 736.12 | 1        | 9.7.4.1           | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Ply wood 7 ply, 9mm thick:Decorative plywood one side decorative veneer and commercial veneer on other face (Type 1) conforming to IS 1328 BWR Type |
| 240.     | PARTICLE BOARD 12MM PLAIN,GRADED WOOD    | M2   | 736.12 | 1        | 9.7.5.1           | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Particle Board 12mm thick Plain particle board flat pressed, 3 layer or graded wood particle board medium density Grade I, IS : 3087 marked.        |
| 250.     | PARTICLE BOARD 12MM VENEERED BOTH SIDE   | M2   | 736.12 | 1        | 9.7.5.2           | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be   |

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|          |   |      |        |          |                  | measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Particle Board 12mm thick Veneered flat pressed three layer or graded wood particle board with commercial veneering on both sides conforming to IS :3097, grade I.   |
| 260.     | PARTICLE BOARD 12MM LAMINATION ONESIDE  | M2   | 736.12 | 1        | 9.7.5.3          | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Particle Board 12mm thick Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side, Grade I, Type II, IS : 12823 marked. |
| 270.     | PARTICLE BOARD 12MM LAMINATION BOTHSIDE | M2   | 736.12 | 1        | 9.7.5.4          | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Particle Board 12mm thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS :12823 marked.                                       |
| 280.     | Coir Veneer Board 12 mm thick           | M2   | 736.12 | 1        | 9.7.6.1          | Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and   |

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|          |                                |      |          |          |                  | clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Coir Veneer Board (conforming to IS 14842) 12mm thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS :12823 marked.  |
| 290.     | 4 mm thick Float glass panes   | M2   | 1,048.58 | 1        | 9.7.7.1          | Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: 4 mm thick float glass pane thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS :12823 marked.   |
| 300.     | 5.5 mm thick Float glass panes | M2   | 1,048.58 | 1        | 9.7.7.2          | Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: 5.5 mm thick float glass pane thick Pre-laminated particle board with decorative lamination on both sides, Grade I, Type II, IS :12823 marked. |

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| 310.     | Fly proof s/s wire gauge                     | M2   | 615.76 | 1        | 9.7.8            | Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick:Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4 mm wide aperture with matching wood beading. |
| 320.     | PANELLED SHUTTER 25-40MM W/COIR VENEER BOARD | M2   |        | 1        | 9.8.1            | :Fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick. Coir veneer board (conforming to IS : 14842-2000) :12mm thick (Deleted)   |
| 330.     | GLAZED SHUTTERS W/2ND CLASS TEAKWOOD 35MM    | M2   | 969.53 | 1        | 9.9.1.1          | :Fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws. Second class teak wood 35mm thick   |
| 340.     | GLAZED SHUTTERS W/2ND CLASS TEAKWOOD 30MM    | M2   | 969.53 | 1        | 9.9.1.2          | Fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws. Second class teak wood 30mm thick  |

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|          |  |      |        |          |                  |   |
| 350.     | GLAZEDSHUTTER W/SEASONEDHOLLOCKWOOD 35MM | M2   | 980.64 | 1        | 9.9.2.1          | :Fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws. Kiln seasoned and chemically treated Hollock wood 35mm thick                          |
| 360.     | GLAZEDSHUTTER W/SEASONEDHOLLOCKWOOD 30MM | M2   | 980.64 | 1        | 9.9.2.2          | :Fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws. Kiln seasoned and chemically treated Hollock wood30mm thick                           |
| 370.     | GLAZEDSHUTTER W/SEASONED SESAM WOOD 35MM | M2   | 969.53 | 1        | 9.9.3.1          | Fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with ecessary screws. Kiln seasoned selected planks of sheesham wood, 35 mm thick |
| 380.     | GLAZEDSHUTTER W/SEASONED SESAMWOOD 30MM  | M2   | 969.53 | 1        | 9.9.3.2          | Fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with ecessary screws. Kiln seasoned selected planks of sheesham wood, 30 mm thick |

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| 390.     | LAMINATED VENEER LUMBER GLAZED 30MM SHUTTER    | M2   | 384.87 | 1        | 9.10.1            | :Fixing factory made laminated veneer lumber glazed shutter conforming to IS : 14616 and TADS 15:2001 (Part B), using 4mm thick float glass panes for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws as per directions of Engineer-in-Charge 30mm thick shutters |
| 400.     | EXTRA FOR HEAVY SHEET FLOAT GLASS PANES 5.5MM  | M2   |        | 1        | 9.11.1            | :Extra for fixing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured) 5.5mm thick instead of 4mm thick.   |
| 410.     | EXTRA FOR FROSTED GLASS PANES 4MM IN DOORS     | M2   |        | 1        | 9.12              | :Extra for fixing frosted glass panes 4mm thick instead of ordinary float glass panes 4mm thick in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).   |
| 420.     | DEDUCT FOR PIN HEADED GLASS PANE INST ORDINARY | M2   |        | 1        | 9.13              | :Deduct for fixing pin headed glass panes instead of ordinary float glass panes weighing 4mm thick in doors, windows and clerestory windows, shutters (Area of opening for glass panes excluding portion inside rebate shall be measured).   |
| 430.     | EXTRA FOR STAINLESS STEEL BUTT HINGE INST MS   | M2   |        | 1        | 9.14              | :Extra for fixing ISI marked Stainless Steel butt hinges instead of black enamelled M.S. butt hinges with necessary screws. (Shutter area to be measured).   |

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| 440.     | DEDUCTFORFIXEDSHUTTER W/SS BUTT HINGE    | M2   |          | 1        | 9.15.1.1         | :Deduct if fixed shutters (without hinges) are fixed instead of openable shutters for doors, windows or clerestory windows with: Stainless steel butt hinges with stainless steel screws: For 2nd class teak wood and other inferior class of wood shutters  |
| 450.     | DEDUCTFORFIXEDSHUTTER W/MS BUTT HINGE    | M2   |          | 1        | 9.15.2.1         | :Deduct if fixed shutters (without hinges) are provided instead of openable shutters for doors, windows or clerestory windows with:Black enamelled M.S. butt hinges with necessary screws For 2nd class teak wood and other inferior class of wood shutters. |
| 460.     | 25MMSHUTTER CUPBOARD PANELLED W/TEAKWOOD | M2   | 1,230.05 | 1        | 9.16.1.1         | :Fixing 25mm thick shutters for cup board etc. :Panelled or panelled & glazed shutters :Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws.  |
| 470.     | 25mmShutter CupBoard Panelled w/TeakWood | M2   | 1,230.05 | 1        | 9.16.1.2         | Fixing 25mm thick shutters for cup board etc. , Panelled or panelled & glazed shutters : Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws   |
| 480.     | 25MMSHUTTER CUPBOARD GLAZED W/TEAKWOOD   | M2   | 969.53   | 1        | 9.16.2.1         | :Fixing 25mm thick shutters for cup board etc. :Glazed shutters:Second class teak wood including ISI marked  |



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|          |   |      |        |          |                  | anodised aluminium butt hinges with necessary screws.  |
| 490.     | 25MM SHUTTER CUPBOARD GLAZED W/TEAKWOOD   | M2   | 969.53 | 1        | 9.16.2.2         | Fixing 25mm thick shutters for cup board etc. Glazed shutters: Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws. Second class teak wood including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws.  |
| 500.     | FIXING 3 LAYER/GRADED PARTICLE BOARD 12MM | M2   | 186.82 | 1        | 9.17.1           | : Fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) : 12mm thick   |
| 510.     | FIXING 3 LAYER/GRADED PARTICLE BOARD 18MM | M2   | 189.17 | 1        | 9.17.2           | : Fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) : 18mm thick   |
| 520.     | PRELAMINATED 3 LAYER PARTICLE BOARD 18MM  | M2   | 222.25 | 1        | 9.18.1           | : Fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately). 18mm thick |

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| 530.     | PRELAMINATED 3 LAYER PARTICLE BOARD 25MM   | M2   | 226.25 | 1        | 9.18.2            | :Fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately). 25mm thick |
| 540.     | 25MM SHUTTER PANELLED W/2ND CLASS TEAKWOOD | M2   |        | 1        | 9.19.1.1          | :Fixing 25mm thick shutters for cupboards etc. including ISI marked black enamelled M.S. butt hinges with necessary screws: Panelled or panelled and glazed shutters. Second class teak wood  |
| 550.     | 25MM SHUTTER GLAZED W/2ND CLASS TEAKWOOD   | M2   |        | 1        | 9.19.2.1          | :Fixing 25mm thick shutters for cupboards etc. including ISI marked black enamelled M.S. butt hinges with necessary screws: Glazed shutters. Second class teak wood   |
| 560.     | DECORATIVE FLUSH DOOR SHUTTER 35MM         | M2   | 370.32 | 1        | 9.20.1            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35mm thick including ISI marked Stainless Steel butt hinges with necessary screws.                      |

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|----------|--|------|--------|----------|-------------------|--|
| 570.     | DECORATIVE FLUSH DOOR SHUTTER 30MM     | M2   | 370.32 | 1        | 9.20.2            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.30mm thick including ISI marked Stainless Steel butt hinges with necessary screws  |
| 580.     | DECORATIVE FLUSH DOOR SHUTTER 25MM     | M2   | 370.32 | 1        | 9.20.3            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws. |
| 590.     | NON DECORATIVE FLUSH DOOR SHUTTER 35MM | M2   | 370.32 | 1        | 9.21.1            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:35mm thick including ISI marked Stainless Steel butt hinges with necessary screws.   |
| 600.     | NON DECORATIVE FLUSH DOOR SHUTTER 30MM | M2   | 370.32 | 1        | 9.21.2            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:30mm thick including ISI marked Stainless Steel butt hinges with necessary screws.   |
| 610.     | NON DECORATIVE FLUSH DOOR SHUTTER 25MM   | M2   | 370.32 | 1        | 9.21.3            | :Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:25mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws. |
| 620.     | EXTRA@9.21FLUSHDOOR W/DECORATIVEVENEERIN | M2   |        | 1        | 9.22.1            | :Extra for fixing flush doors with decorative veneering On one side in item no. 9.21  |
| 630.     | EXTRA@9.20 9.21LIPPING W/2NDCLASS TEAK   | M2   |        | 1        | 9.23              | :Extra for providing lipping with 2nd class teak wood battens 25mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.20 and 9.21.   |
| 640.     | EXTRA FOR VISIONPANEL RECTANGULAR/SQUARE | M2   |        | 1        | 9.24.1            | :Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured) :Rectangular or square.   |

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|----------|--|------|----------|----------|------------------|--|
| 650.     | EXTRA FOR VISIONPANEL CIRCULAR           | M2   |          | 1        | 9.24.2           | :Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured) :Circular  |
| 660.     | EXTRA W/LOUVERS DECORATIVE TYPE DOOR     | M2   |          | 1        | 9.25.1           | :Extra if louvers (not exceeding 0.2 sqm) are provided in flush door shutters (overall area of door shutters to be measured). Decorative type door.  |
| 670.     | EXTRAFOR CUTTING REBATE FLUSHDOORSHUTTER | M2   |          | 1        | 9.26             | :Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).   |
| 680.     | 35mmWireGauzeShutter MS Hing/ Teak       | M2   | 1,146.54 | 1        | 9.27.1.1.1       | :Fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws: Second class teak wood.                          |
| 690.     | 35mmWireGauzeShutter MS Hing/ H-Wood     | M2   | 1,157.49 | 1        | 9.27.1.1.2       | Fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws: Kiln seasoned and chemically treated hollock wood |
| 700.     | 35mmWireGauzeShutter MS Hing/Sesam-Wood  | M2   | 1,146.54 | 1        | 9.27.1.1.3       | Fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws: Kiln seasoned selected class of sheesham wood  |
| 710.     | 35mmWireGauzeShutter SS Hing/ Teak      | M2   | 1,146.54 | 1        | 9.27.1.2.1        | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters With ISI marked stainless steel butt hinges of required size, Second class teak wood                            |
| 720.     | 35mmWireGauzeShutter SS Hing/ H-Wood    | M2   | 1,157.49 | 1        | 9.27.1.2.2        | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters With ISI marked stainless steel butt hinges of required size, Kiln seasoned and chemically treated hollock wood |
| 730.     | 35mmWireGauzeShutter SS Hing/Sesam-Wood | M2   | 1,146.54 | 1        | 9.27.1.2.3        | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters With ISI marked stainless steel butt hinges of required size, Kiln seasoned selected class of sheesham wood     |
| 740.     | 30mmWireGauzeShutter MS Hing/ Teak      | M2   | 1,061.29 | 1        | 9.27.2.1.1        | :Fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of average width of aperture 1.4mm with  |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws:<br>Second class teak wood  |
| 750.     | 30mmWireGauzeShutter MS Hing/<br>H-Wood    | M2   | 1,072.39 | 1        | 9.27.2.1.2       | Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws:Kiln seasoned and chemically treated hollock wood                                    |
| 760.     | 30mmWireGauzeShutter MS<br>Hing/Sesam-Wood | M2   | 1,061.29 | 1        | 9.27.2.1.3       | Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws:Kiln seasoned selected class of sheesham wood  |
| 770.     | 30mmWireGauzeShutter SS Hing/<br>Teak      | M2   | 1,061.29 | 1        | 9.27.2.2.1       | Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws With ISI marked stainless steel butt hinges of required size, Second class teak wood |
| 780.     | 30mmWireGauzeShutter SS Hing/<br>H-Wood    | M2   | 1,072.23 | 1        | 9.27.2.2.2       | Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black   |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | enamelled M.S. butt hinges with necessary screws With ISI marked stainless steel butt hinges of required size Kiln seasoned and chemically treated hollock wood  |
| 790.     | 30mmWireGauzeShutter SS Hing/Sesam-Wood | M2   | 1,061.29 | 1        | 9.27.2.2.3       | Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws With ISI marked stainless steel butt hinges of required size Kiln seasoned selected class of sheesham wood |
| 800.     | 35MMSHUTTERSSBUTTHINGE W/2NDCLASS TEAK  | M2   |          | 1        | 9.28.1           | :Fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked stainless steel butt hinges with necessary screws:Second class teak wood.(Deleted)  |
| 810.     | 35MMSHUTTERSSBUTTHINGE W/2NDCLASS TEAK  | M2   |          | 1        | 9.28.2           | :Fixing 35mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked stainless steel butt hinges with necessary screws:Kiln seasoned and chemically treated Hollock wood.(Deleted)   |
| 820.     | 30MMGAUGE SHUTTER W/2NDCLASS TEAK WOOD  | M2   |          | 1        | 9.29.1           | :Fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked Stainless Steel butt hinges   |



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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | with necessary screws:Second class teak wood.(Deleted)  |
| 830.     | 30MM SHUTTER SSBUTTHINGE W/ HOLLOCKWOOD  | M2   |        | 1        | 9.29.2           | :Fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of average width of aperture 1.4mm with wire of dia. 0.63mm for doors, windows and clerestory windows including ISI marked Stainless Steel butt hinges with necessary screws:Kiln seasoned and chemically treated Hollock wood.(Deleted)                              |
| 840.     | 30MM SHUTTER W/MSBUTTHINGE W/TEAK WOOD   | M2   |        | 1        | 9.30.1           | :Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws:Second class teak wood.(Deleted)                            |
| 850.     | 30MM SHUTTER W/MSBUTTHINGE W/HOLLOCKWOOD | M2   |        | 1        | 9.30.2           | :Fixing 30mm thick wire gauze shutters using galvanised M.S. wire gauze of average width of aperture 1.4mm with wire of dia 0.63mm for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws:Kiln seasoned and chemically treated Hollock wood.(Deleted) |
| 860.     | GAUZELAMINATEDVENEERLUMBER W/35MMSHUTTER | M2   | 384.87 | 1        | 9.31.1           | :Fixing wire gauze laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauze with average width of aperture 1.4mm in both directions with wire of dia 0.63mm   |

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| Item No. | Description                                | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | as per IS :1568 for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws as per directions of Engineer-in-Charge:35mm thick shutters   |
| 870.     | GAUZELAMINATEDVENEERLUMBER W/30MM SHUTTER  | M2   | 384.87 | 1        | 9.31.2           | :Fixing wire gauze laminated veneer lumber shutters conforming to IS : 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauze with average width of aperture 1.4mm in both directions with wire of dia 0.63mm as per IS :1568 for doors, windows and clerestory windows including ISI marked bright finished or / and black enamelled M.S. butt hinges with necessary screws as per directions of Engineer-in-Charge:30mm thick shutters |
| 880.     | 50X50X50MM TEAKWOOD PLUG 1:3 CEMENT MORTAR | EA   | 14.66  | 1        | 9.32             | :Providing 50x50x50mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) and making good the walls etc.   |
| 890.     | FIX EXPANDABLE FASTNER 25MM LONG           | EA   | 5.48   | 1        | 9.33.1           | :Fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / C.C / R.C.C. and making good etc. complete.25mm long   |
| 900.     | FIX EXPANDABLE FASTNER 32MM LONG           | EA   | 6.86   | 1        | 9.33.2           | :Fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / C.C / R.C.C. and making good etc. complete.32mm long   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 910.     | FIX EXPANDABLE FASTNER 40MM LONG         | EA   | 6.86   | 1        | 9.33.3           | :Fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / C.C / R.C.C. and making good etc. complete.40mm long |
| 920.     | FIX EXPANDABLE FASTNER 50MM LONG         | EA   | 6.86   | 1        | 9.33.4           | :Fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / C.C / R.C.C. and making good etc. complete.50mm long |
| 930.     | FIX 2NDCLASSTEAKWOOD PLAINLINING 40MMTHK | M2   | 403.52 | 1        | 9.34.1           | :Fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface.40mm thick                               |
| 940.     | FIX 2NDCLASSTEAKWOOD PLAINLINING 25MMTHK | M2   | 403.52 | 1        | 9.34.2           | :Fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface.25mm thick.                              |
| 950.     | FIX 2NDCLASSTEAKWOOD PLAINLINING 20MMTHK | M2   | 338.52 | 1        | 9.34.3           | :Fixing 2nd class teak wood plain lining tongued and grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface.20mm thick                               |
| 960.     | FIX 2NDCLASSTEAKWOOD                     | M2   | 338.52 | 1        | 9.34.4           | :Fixing 2nd class teak wood plain lining tongued and   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          | PLAINLINING 12MMTHK                      |      |           |          |                  | grooved on and including wooden plugs complete with necessary screws and priming coat on unexposed surface.12mm thick  |
| 970.     | WALLLINING PARTICLEBOARD/GRADEDWOOD 12MM | M2   | 218.75    | 1        | 9.35.1           | :Fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination on other side balancing lamination Grade I, Type II, IS : 12823 marked including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete:12mm thick  |
| 980.     | WALLLINING PARTICLEBOARD/GRADEDWOOD 18MM | M2   | 218.75    | 1        | 9.35.2           | :Fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination on other side balancing lamination Grade I, Type II, IS : 12823 marked including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete: 18mm thick |
| 990.     | WALLLINING PARTICLEBOARD/GRADEDWOOD 25MM | M2   | 218.75    | 1        | 9.35.3           | :Fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination on other side balancing lamination Grade I, Type II, IS : 12823 marked including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete: 25mm thick |
| 1000.    | WOODFRAME W/50X25MMBATTEN W/             | M3   | 42,056.00 | 1        | 9.36.1           | :Fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes  |

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|----------|--|------|--------|----------|-------------------|---|
|          | HOLLOCKWOOD                              |      |        |          |                   | for rawl plug etc. including priming coat complete.Hollock wood.  |
| 1010.    | FIXPLYWOOD 4MM W/DECORATIVE VENEERIS1328 | M2   | 764.69 | 1        | 9.37.1            | :Fixing plywood 4mm thick one side decorative veneer conforming to IS : 1328 (type-1) for plain lining / cladding with necessary screws, priming coat on unexposed surface with:Decorative veneer facings of approved manufacture.  |
| 1020.    | FIX COIR VENEER IS 14842 W/PRIME COAT    | M2   | 764.69 | 1        | 9.38              | :Fixing 4mm thick coir veneer board, ISI marked IS : 14842-2000, plain lining with necessary screws, priming coat on unexposed surface etc., complete.  |
| 1030.    | SKIRTING PRELAMINATED PARTICLEBOARD 18MM | M2   | 292.85 | 1        | 9.39.1            | :Fixing skirting of Pre-laminated with (one side decorative and other side balancing lamination) flat pressed, 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete.18mm thick |
| 1040.    | SKIRTING PRELAMINATED PARTICLEBOARD 25MM | M2   | 292.85 | 1        | 9.39.2            | :Fixing skirting of Pre-laminated with (one side decorative and other side balancing lamination) flat pressed, 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete.25mm thick |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 1050.    | FIX WOODENMOULDED BEADING TEAKWOOD50X12   | M    | 90.02  | 1        | 9.40.1.1         | :Fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete:2nd class teak wood 50x12mm  |
| 1060.    | FIX WOODENMOULDED BEADING TEAKWOOD50X20   | M    | 90.60  | 1        | 9.40.1.2         | :Fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete:2nd class teak wood 50x20mm  |
| 1070.    | FIXWOODENMOULDEDBEADING HOLLOCKWOOD50X12  | M    | 90.02  | 1        | 9.40.2.1         | :Fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete:Hollock wood 50x12mm   |
| 1080.    | FIXWOODENMOULDEDBEADING HOLLOCKWOOD50X20  | M    | 90.60  | 1        | 9.40.2.2         | :Fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete:Hollock wood 50x20mm   |
| 1090.    | FIX JAFFRI35X10 W/50X12 BEADING TEAKWOOD  | M2   | 802.69 | 1        | 9.41.1           | :Fixing plain jaffri of 35x10mm laths placed 35mm apart (frames to be paid separately) including fixing 50x12mm beading complete with :Second class teak wood.  |
| 1100.    | FIX 18MMTHKX150MMWIDEPELMET PARTICLEBOARD | M    | 174.46 | 1        | 9.42             | :Fixing 18mm thick, 150mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS : 3087 marked including top cover of 6mm commercial ply wood conforming to IS : 303 BWR grade, |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | nickel plated M.S. pipe 20mm dia ( heavy type) curtain rod with nickel plated brackets including fixing with 25x3mm M.S. flat 10cm long and rawl plugs 50mm long (designation 10 no.) etc all complete   |
| 1110.    | FIX 18MMTHKX150MMWIDEPELMET COIR VENNER | M    | 174.46 | 1        | 9.43             | :Fixing 18mm thick, 150mm wide pelmet of coir veneer board ISI marked IS : 14842 - 2000, including top cover of 6mm coir veneer board, nickle plated M.S. Pipe 20mm dia. (heavy type) curtain rod with nickel plated brackets including fixing with 25x3mm M.S. Flat 10cm long and rawl plug 50mm long (designation 10 No.) etc., all complete |
| 1120.    | PARTICLE BOARD W/NON DECORATIVE VENEER  | M    |        | 1        | 9.44.1           | :Extra for using veneered particle board conforming to IS: 3097 Grade I, in item of pelmet 18mm thick 150mm wide.Non decorative veneer on both sides   |
| 1130.    | PARTICLE BOARD W/DECORATIVE VENEER      | M    |        | 1        | 9.44.2           | :Extra for using veneered particle board conforming to IS: 3097 Grade I, in item of pelmet 18mm thick 150mm wide.Particle board with decorative veneering on both sides.   |
| 1140.    | FIX TEAKWOOD LIPPING 25X3 IN PELMET     | M    | 31.74  | 1        | 9.45             | :Fixing teak wood lipping of size 25x3mm in pelmet.  |
| 1150.    | CURTAINROD 1.25MM CROMIUMPLATED 12MMDIA | M    | 27.69  | 1        | 9.46.1           | :Fixing curtain rods of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:12mm dia  |

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|----------|--|------|-------|----------|-------------------|---|
| 1160.    | CURTAINROD 1.25MM CROMIUMPLATED 20MMDIA  | M    | 27.69 | 1        | 9.46.2            | :Fixing curtain rods of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:20mm dia |
| 1170.    | CURTAINROD 1.25MM CROMIUMPLATED 25MMDIA  | M    | 27.69 | 1        | 9.46.3            | :Fixing curtain rods of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete:5mm dia  |
| 1180.    | FIX NICKELPLATED MS CURTAIN ROD 20MMDIA  | M    | 16.28 | 1        | 9.47.1            | :Fixing nickel plated M.S. pipe curtain rods with nickel plated brackets:20mm dia (heavy type)  |
| 1190.    | FIX NICKELPLATED MS CURTAIN ROD 25MMDIA  | M    | 16.28 | 1        | 9.47.2            | :Fixing nickel plated M.S. pipe curtain rods with nickel plated brackets:25mm dia (heavy type)  |
| 1200.    | MSGRILLS FIXED TO STEELWINDOW BY WELDING | KG   | 81.52 | 1        | 9.48.1            | :Fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to steel windows by welding.                                       |
| 1210.    | MSGRILLS FIXED TO WODENWINDOW BY SCREWS  | KG   | 85.22 | 1        | 9.48.2            | :Fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. Fixed to openings /wooden frames with rawl plugs screws etc.             |
|          |  |      |       |          |                   |   |



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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 1220.    | FIXEXPANDABLE METAL20X60X3.25 TOTEAKWOOD | M2   | 324.27 | 1        | 9.49             | :Fixing expanded metal 20x60mm strands 3.25mm wide and 1.6mm thick for windows etc. including 62x19mm beading of IInd class teakwood.  |
| 1230.    | FIXING HARD DRAWN STEEL WIRE FABRIC      | M2   | 312.03 | 1        | 9.50             | :Fixing hard drawn steel wire fabric 75x25mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19mm beading of second class teak wood.   |
| 1240.    | FLYPROOFGALV.MSWIREGAUGE-2NDCLSTEAKWOOD  | M2   | 278.58 | 1        | 9.51.1           | :Fixing fly proof galvanised M.S. wire gauze to windows and clerestory windows using galvanised MS wire gauze with average width of aperture 1.4mm in both directions with wire of dia. 0.63mm.With 2nd class teak wood beading 62X19mm. |
| 1250.    | FLYPROFGALV.MSWIREGAUGE-12MMMILDSTLUBEAD | M2   | 278.58 | 1        | 9.51.2           | :Fixing fly proof galvanised M.S. wire gauze to windows and clerestory windows using galvanised MS wire gauze with average width of aperture 1.4mm in both directions with wire of dia. 0.63mm.With 12mm mild steel U beading            |
| 1260.    | DDCTFORFIXIN75X25MMHRDDR WNSTLWIREFABRIC | M2   |        | 1        | 9.52             | :Deduct for fixing 75x25mm hard drawn steel wire fabric of weight not less than 7.75 kg per sqm in panelled and glazed door and window shutter instead of glass sheet 4mm thick.   |
| 1270.    | 40X5MM FLAT IRON HOLD FAST 40CM LONG     | EA   | 97.46  | 1        | 9.53             | :Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and   |

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| Item No. | Description                       | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|-----------------------------------|------|----------|----------|------------------|---|
|          |                                   |      |          |          |                  | wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) |
| 1280.    | BEAMS-UNEXPOSED SURFACES-SAL WOOD | M3   | 9,305.67 | 1        | 9.54.1           | :Providing beams including hoisting, fixing in position and applying wood preservative for the unexposed surfaces, etc. complete with:Sal wood    |
| 1290.    | BEAMS-UNEXPOSEDSURFAC-HOLLOCKWOOD | M3   | 9,305.67 | 1        | 9.54.2           | :Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 100x58x1.90mm                                    |
| 1300.    | ISI-MS BUTT HINGES-125X65X2.12MM  | EA   | 15.57    | 1        | 9.55.1           | Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 125x65x2.12mm                                     |
| 1310.    | ISI-MS BUTT HINGES-100X58X1.90MM  | EA   | 15.57    | 1        | 9.55.2           | :Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 100x58x1.90mm                                    |
| 1320.    | ISI-MS BUTT HINGES-75X47X1.70MM   | EA   | 15.33    | 1        | 9.55.3           | :Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 75x47x1.70mm<br>:                                |
| 1330.    | ISI-MS BUTT HINGES-50X37X1.50MM   | EA   | 5.71     | 1        | 9.55.4           | :Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 50x37x1.50mm                                     |
| 1340.    | IS1341-MS HEVYWGTBUTTHINGE-       | EA   | 15.57    | 1        | 9.56.1           | :Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 125x90x4.00mm   |

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| Item No. | Description                                     | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-------|----------|-------------------|--|
|          | 125X90X4.00MM                                   |      |       |          |                   |  |
| 1350.    | IS1341-MS<br>HEVYWGTBUTTHINGE-<br>100X75X3.50MM | EA   | 15.57 | 1        | 9.56.2            | :Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 100x75x3.50mm            |
| 1360.    | IS1341-MS<br>HEVYWGTBUTTHINGE-<br>75X60X3.10MM  | EA   | 15.33 | 1        | 9.56.3            | :Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 75x60x3.10mm             |
| 1370.    | IS1341-MS<br>HEVYWGTBUTTHINGE-<br>50X40X2.50MM  | EA   | 5.71  | 1        | 9.56.4            | :Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 50x40x2.50mm             |
| 1380.    | ISI OXIDISED MS<br>BUTTHINGE:125X65X2.12MM      | EA   | 15.81 | 1        | 9.57.1            | :Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :125x65x2.12mm             |
| 1390.    | ISI OXIDISED MS<br>BUTTHINGE:100X58X1.90MM      | EA   | 15.57 | 1        | 9.57.2            | :Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :100x58x1.90mm             |
| 1400.    | ISI OXIDISED MS<br>BUTTHINGE:75X47X1.70MM       | EA   | 15.33 | 1        | 9.57.3            | :Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :75x47x1.70mm              |
| 1410.    | ISI OXIDISED MS<br>BUTTHINGE:50X37X1.50MM       | EA   | 5.71  | 1        | 9.57.4            | :Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :50x37x1.50mm              |
| 1420.    | ISI<br>MSPARLIAMNTRYHINGE:150X125<br>X27X2.80MM | EA   | 18.49 | 1        | 9.58.1            | :Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 150x125x27x2.80mm |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
| 1430.    | ISI MSPARLIAMNTRYHINGE:125X125X27X2.80MM | EA   | 18.49 | 1        | 9.58.2           | :Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 125x125x27x2.80mm |
| 1440.    | ISI MSPARLIAMNTRYHINGE:100X125X27X2.80MM | EA   | 18.49 | 1        | 9.58.3           | :Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 100x125x27x2.80mm |
| 1450.    | ISI MSPARLIAMNTRYHINGE:75X100X20X2.24MM  | EA   | 18.49 | 1        | 9.58.4           | :Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 75x100x20x2.24mm  |
| 1460.    | ISI MS SINGLE ACTING SPRING HINGE:150MM  | EA   | 39.79 | 1        | 9.59.1           | :Fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: 150mm              |
| 1470.    | ISI MS SINGLE ACTING SPRING HINGE:125MM  | EA   | 39.79 | 1        | 9.59.2           | :Fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: 125mm              |
| 1480.    | ISI MS SINGLE ACTING SPRING HINGE:100MM  | EA   | 39.79 | 1        | 9.59.3           | :Fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: 100mm              |
| 1490.    | MS DOUBLE ACTING SPRING HINGE:150MM      | EA   | 39.79 | 1        | 9.60.1           | :Fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete. :150mm                        |
| 1500.    | MS DOUBLE ACTING SPRING HINGE:125MM      | EA   | 39.79 | 1        | 9.60.2           | :Fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete. :125mm                        |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 1510.    | MS DOUBLE ACTING SPRING HINGE:100MM     | EA   | 39.79  | 1        | 9.60.3           | :Fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete. :100mm  |
| 1520.    | MS PIANO HINGES ISI OVERALL WIDTH 35MM. | M    | 153.26 | 1        | 9.61.1           | :Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.Overall width 35mm. |
| 1530.    | MS PIANO HINGES ISI OVERALL WIDTH 50MM  | M    | 153.26 | 1        | 9.61.2           | :Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.Overall width 50mm  |
| 1540.    | MS PIANO HINGES ISI OVERALL WIDTH 65MM. | M    | 153.26 | 1        | 9.61.3           | :Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.Overall width 65mm. |
| 1550.    | ISI MS SLIDING DOOR BOLTS:300X16MM      | EA   | 18.78  | 1        | 9.62.1           | :Fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 300x16mm  |
| 1560.    | ISI MS SLIDING DOOR BOLTS:250X16MM      | EA   | 18.78  | 1        | 9.62.2           | :Fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16mm  |
| 1570.    | ISI MS TOWER BOLT BLACK FINISH:250X10MM | EA   | 7.80   | 1        | 9.63.1           | :Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 250x10mm                              |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
| 1580.    | ISI MS TOWER BOLT BLACK FINISH:200X10MM  | EA   | 7.56  | 1        | 9.63.2           | :Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 200x10mm                       |
| 1590.    | ISI MS TOWER BOLT BLACK FINISH:150X10MM  | EA   | 7.56  | 1        | 9.63.3           | :Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 150x10mm                       |
| 1600.    | ISI MS TOWER BOLT BLACK FINISH:100X10MM  | EA   | 6.19  | 1        | 9.63.4           | :Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 100x10mm                       |
| 1610.    | ISI 85X42MM OXIDISED MS PULL BOLT LOCK   | EA   | 18.78 | 1        | 9.64             | :Fixing ISI marked 85x42mm oxidised M.S. pull bolt lock conforming to IS : 7534 with necessary screws bolts, nut and washers etc. complete. |
| 1620.    | ISI OXIDISED MS DOOR LATCHES :300X20X6MM | EA   | 9.17  | 1        | 9.65.1           | :Fixing ISI marked oxidised MS door latches conforming to IS : 5930 with screws etc. complete.:300x20x6mm                                   |
| 1630.    | ISI OXIDISED MS DOOR LATCHES :250X20X6MM | EA   | 9.17  | 1        | 9.65.2           | :Fixing ISI marked oxidised MS door latches conforming to IS : 5930 with screws etc. complete.:250x20x6mm                                   |
| 1640.    | ISI OXIDISED MS DOOR HANDLES :125MM      | EA   | 4.83  | 1        | 9.66.1           | :Fixing ISI marked oxidised M.S. handles conforming to IS :4992 with necessary screws etc. complete:125mm                                   |
| 1650.    | ISI OXIDISED MS DOOR                     | EA   | 4.58  | 1        | 9.66.2           | :Fixing ISI marked oxidised M.S. handles conforming to IS   |

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| Item No. | Description                              | Unit | Rate | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|------|----------|------------------|--|
|          | HANDLES :100MM                           |      |      |          |                  | :4992 with necessary screws etc. complete:100mm  |
| 1660.    | ISI OXIDISED MS DOOR HANDLES :75MM       | EA   | 4.58 | 1        | 9.66.3           | :Fixing ISI marked oxidised M.S. handles conforming to IS :4992 with necessary screws etc. complete:75mm                             |
| 1670.    | OXIDISEDMS HASP STAPLE(SAFETYTYPE):150MM | EA   | 5.95 | 1        | 9.67.1           | :Fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete:150mm                 |
| 1680.    | OXIDISEDMS HASP STAPLE(SAFETYTYPE):115MM | EA   | 5.95 | 1        | 9.67.2           | :Fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete:115mm                 |
| 1690.    | OXIDISEDMS HASP STAPLE(SAFETYTYPE):90MM  | EA   | 5.95 | 1        | 9.67.3           | :Fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete:90mm                  |
| 1700.    | MS CASEMENT STAYS:300MM WGHT.NOT<200 GMS | EA   | 7.08 | 1        | 9.68.1           | :Fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. :300mm weighing not less than 200 gms  |
| 1710.    | MS CASEMENT STAYS:250MM WGHT.NOT<150 GMS | EA   | 7.08 | 1        | 9.68.2           | :Fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. :250mm weighing not less than 150 gms. |
| 1720.    | MS CASEMENT STAYS:200MM                  | EA   | 7.08 | 1        | 9.68.3           | :Fixing oxidised M.S. casement stays (straight peg type)   |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
|          | WGHT.NOT<120 GMS                         |      |       |          |                  | with necessary screws etc. complete. :200mm weighing not less than 120 gms.   |
| 1730.    | M.S. SAFETY CHAIN WEIGHT NOT<450 GMS     | EA   | 7.08  | 1        | 9.69             | :Fixing oxidised M.S. Safety chain with necessary fixtures for doors. (Weighting not less than 450 gms.)                      |
| 1740.    | IS STAINLESSSTEELBUTTHINGE:125X64X1.90MM | EA   | 15.57 | 1        | 9.70.1           | :Fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete: 125x64x1.90mm                |
| 1750.    | IS STAINLESSSTEELBUTTHINGE:100X58X1.90MM | EA   | 15.57 | 1        | 9.70.2           | :Fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete: 100X58X1.90mm                |
| 1760.    | IS STAINLESSSTEELBUTTHINGE:75X47X1.80MM  | EA   | 15.33 | 1        | 9.70.3           | :Fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete: 75x47x1.80mm                 |
| 1770.    | IS STAINLESSSTEELBUTTHINGE:50X37X1.50MM  | EA   | 5.71  | 1        | 9.70.4           | :Fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete: 50x37x1.50mm                 |
| 1780.    | IS STAINLESSSTLBUTTHINGEHW:125X64X2.50MM | EA   | 15.57 | 1        | 9.71.1           | :Fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete: 125x64x2.50mm |
| 1790.    | IS STAINLESSSTLBUTTHINGEHW:100X60X2.50MM | EA   | 15.57 | 1        | 9.71.2           | :Fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete: 100x60x2.50mm |



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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
| 1800.    | IS STAINLESSSTLBUTTHINGEHW:75X50X2.50MM  | EA   | 15.33 | 1        | 9.71.3           | :Fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete: 75x50x2.50mm |
| 1810.    | BRASS BUTT HINGES:125X85X5.5MM-HEAVYTYPE | EA   | 18.34 | 1        | 9.72.1           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 125x85x5.5mm (heavy type)                     |
| 1820.    | BRASS BUTT HINGES:125X70X4MM-ORD.TYPE    | EA   | 18.34 | 1        | 9.72.2           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 125x70x4mm (ordinary type)                    |
| 1830.    | BRASS BUTT HINGES:100X85X5.5MM-HEAVYTYPE | EA   | 18.10 | 1        | 9.72.3           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 100x85x5.5mm (heavy type)                     |
| 1840.    | BRASS BUTT HINGES:100X70X4MM-ORD.TYPE    | EA   | 18.10 | 1        | 9.72.4           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 100x70x4mm (ordinary type)                    |
| 1850.    | BRASS BUTT HINGES:75X65X4MM-HEAVY TYPE   | EA   | 18.10 | 1        | 9.72.5           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 75x65x4mm (heavy type)                        |
| 1860.    | BRASS BUTT HINGES:75X40X2.5MM-ORD.TYPE   | EA   | 18.10 | 1        | 9.72.6           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 75x40x2.5mm (ordinary type)                   |
| 1870.    | BRASS BUTT HINGES :50X40X2.5MM-ORD.TYPE  | EA   | 7.07  | 1        | 9.72.7           | :Fixing bright finished brass butt hinges with necessary screws etc. complete: 50x40x2.5mm (ordinary type)                   |
| 1880.    | BRASSPARLIAMENTARY                       | EA   | 20.45 | 1        | 9.73.1           | :Fixing bright finished brass parliamentary hinges with  |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-------|----------|------------------|---|
|          | HINGES:150X125X27X5MM                     |      |       |          |                  | necessary screws etc. complete: 150x125x27x5mm  |
| 1890.    | BRASSPARLIAMENTARY HINGES:125X125X27X5MM  | EA   | 20.45 | 1        | 9.73.2           | :Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 125x125x27x5mm  |
| 1900.    | BRASSPARLIAMENTARY HINGES:100X125X27X5MM  | EA   | 20.45 | 1        | 9.73.3           | :Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 100x125x27x5mm  |
| 1910.    | BRASSPARLIAMENTARYHINGES: 75X100X20X3.2MM | EA   | 20.45 | 1        | 9.73.4           | :Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 75x100x20x3.2mm |
| 1920.    | BRASS TOWER BOLTS BARREL TYPE-250X10MM    | EA   | 9.44  | 1        | 9.74.1           | :Fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 250x10mm   |
| 1930.    | BRASS TOWER BOLTS BARREL TYPE-00X10MM     | EA   | 8.96  | 1        | 9.74.2           | :Fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 200x10mm   |
| 1940.    | BRASS TOWER BOLTS BARREL TYPE-150X10MM    | EA   | 8.96  | 1        | 9.74.3           | :Fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 150x10mm   |
| 1950.    | BRASS TOWER BOLTS BARREL TYPE-100X10MM    | EA   | 8.96  | 1        | 9.74.4           | :Fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 100x10mm   |
| 1960.    | BRASS DOOR LATCH -300X16X5MM              | EA   | 10.84 | 1        | 9.75.1           | :Fixing bright finished brass door latch with necessary screws etc. complete:300x16x5mm                 |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 1970.    | BRASS DOOR LATCH -250X16X5MM            | EA   | 10.84  | 1        | 9.75.2           | :Fixing bright finished brass door latch with necessary screws etc. complete:250x16x5mm   |
| 1980.    | BRASS 100MM MORTICE LATCH&LOCK-6LEVER   | EA   | 149.59 | 1        | 9.76             | :Fixing bright finished brass 100mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality). |
| 1990.    | BRASS 100MM MORTICE LATCH-ONE DEAD BOLT | EA   | 149.59 | 1        | 9.77             | :Fixing bright finished brass 100mm mortice latch with one dead bolt and a pair of lever handles with necessary screws etc. complete (best make of approved quality).     |
| 2000.    | BRASS NIGHT LATCH                       | EA   | 149.59 | 1        | 9.78             | :Fixing bright finished brass night latch including necessary screws etc. complete (best make of approved quality).   |
| 2010.    | BRASS CUPBOARD OR WARDROBE LOCKS :40MM  | EA   | 149.59 | 1        | 9.79.1           | :Fixing special quality bright finished brass cupboard or wardrobe locks with four levers including necessary screws etc. complete (best make of approved quality) :40mm  |
| 2020.    | BRASS CUPBOARD OR WARDROBE LOCKS :50MM  | EA   | 149.59 | 1        | 9.79.2           | :Fixing special quality bright finished brass cupboard or wardrobe locks with four levers including necessary screws etc. complete (best make of approved quality) :50mm  |
| 2030.    | BRASS CUPBOARD OR WARDROBE LOCKS :65MM  | EA   | 149.59 | 1        | 9.79.3           | :Fixing special quality bright finished brass cupboard or wardrobe locks with four levers including necessary   |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | screws etc. complete (best make of approved quality)<br>:65mm   |
| 2040.    | BRASS CUPBOARD OR WARDROBE LOCKS :75MM | EA   | 149.59 | 1        | 9.79.4           | :Fixing special quality bright finished brass cupboard or wardrobe locks with four levers including necessary screws etc. complete (best make of approved quality)<br>:75mm |
| 2050.    | BRASS CUPBOARD OR WARDROBE KNOB        | EA   | 12.25  | 1        | 9.80             | :Fixing 50mm bright finished brass cupboard or wardrobe knob with necessary screws (best make of approved quality)  |
| 2060.    | BRASS HANDLES: 125MM                   | EA   | 5.66   | 1        | 9.81.1           | :Fixing bright finished brass handles with screws etc. complete: 125mm  |
| 2070.    | BRASS HANDLES: 100MM                   | EA   | 5.18   | 1        | 9.81.2           | :Fixing bright finished brass handles with screws etc. complete: 100mm  |
| 2080.    | BRASS HANDLES: 75MM                    | EA   | 5.18   | 1        | 9.81.3           | :Fixing bright finished brass handles with screws etc. complete: 75mm   |
| 2090.    | BRASS HANGING TYPE FLOOR DOOR STOPPER  | EA   | 3.19   | 1        | 9.82             | :Fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.   |
| 2100.    | ALUMINDIECASTBODY HYDRAULICDOORCLOSER  | EA   | 69.37  | 1        | 9.83             | :Fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary  |

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|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | accessories and screws etc. complete.   |
| 2110.    | ALUMINEXTRUDEDSEC-HYDRAULICDOORCLOSER     | EA   | 68.68 | 1        | 9.84             | :Fixing IS : 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete. |
| 2120.    | BRASS CASEMENT WINDOW FASTENER            | EA   | 8.48  | 1        | 9.85             | :Fixing bright finished brass casement window fastener with necessary screws etc. complete.   |
| 2130.    | BRASS CASEMENT STAYS:300MMWEIGHNOT<330G M | EA   | 8.48  | 1        | 9.86.1           | :Fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete: 300mm weighing not less than 330 gms  |
| 2140.    | BRASS CASEMENT STAYS:250MMWEIGHNOT<280G M | EA   | 8.48  | 1        | 9.86.2           | :Fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete: 250mm weighing not less than 280 gms  |
| 2150.    | BRASS CASEMENT STAYS:200MMWEIGNOT<240 GM  | EA   | 8.48  | 1        | 9.86.3           | :Fixing bright finished brass casement stays (straight peg type) with necessary screws etc. complete: 200mm weighing not less than 240 gms  |
| 2160.    | BRASS HASP AND STAPLE: 150MM              | EA   | 7.07  | 1        | 9.87.1           | :Fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete: 150mm  |
| 2170.    | BRASS HASP AND                            | EA   | 7.07  | 1        | 9.87.2           | Fixing bright finished brass hasp and staple (safety type)  |

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|          | STAPLE:115MM                             |      |        |          |                  | with necessary screws etc. complete: 115mm  |
| 2180.    | BRASS HASP AND STAPLE:90MM               | EA   | 7.07   | 1        | 9.87.3           | :Fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete: 90mm   |
| 2190.    | CHROMIUM PLATED BRASS 100MMMORTICE LATCH | EA   | 149.59 | 1        | 9.88             | :Fixing chromium plated brass 100mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality). |
| 2200.    | CHROMIUM PLATED BRASS NIGHT LATCH        | EA   | 149.59 | 1        | 9.89             | :Fixing chromium plated brass night latch including necessary screws etc. complete (Best make of approved quality).   |
| 2210.    | CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE40MM | EA   | 149.59 | 1        | 9.90.1           | :Fixing special quality chromium plated brass cupboard locks with six levers including necessary screws etc. complete (Best make of approved quality) of : Size 40mm      |
| 2220.    | SPL.QLTYCHROMPLATDBRASSCUPBOARDLOCK:50MM | EA   | 149.59 | 1        | 9.90.2           | :Fixing special quality chromium plated brass cupboard locks with six levers including necessary screws etc. complete (Best make of approved quality) of : Size 50mm      |
| 2230.    | CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE65MM | EA   | 149.59 | 1        | 9.90.3           | :Fixing special quality chromium plated brass cupboard locks with six levers including necessary screws etc. complete (Best make of approved quality) of : Size 65mm      |
|          |  |      |        |          |                  |   |

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|----------|--|------|--------|----------|------------------|--|
| 2240.    | CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE75MM | EA   | 149.59 | 1        | 9.90.4           | :Fixing special quality chromium plated brass cupboard locks with six levers including necessary screws etc. complete (Best make of approved quality) of : Size 75mm |
| 2250.    | CHROMIUMPLATED BRASS50MMCUPBOARD KNOBS   | EA   | 12.25  | 1        | 9.91             | :Fixing chromium plated brass 50mm cupboard or wardrobe knobs with nuts complete.  |
| 2260.    | CHROMIUM PLATED BRASS HANDLES:125MM      | EA   | 5.66   | 1        | 9.92.1           | :Fixing chromium plated brass handles with necessary screws etc. complete: 125mm   |
| 2270.    | CHROMIUM PLATED BRASS HANDLES: 100MM     | EA   | 5.18   | 1        | 9.92.2           | :Fixing chromium plated brass handles with necessary screws etc. complete: 100mm   |
| 2280.    | CHROMIUM PLATED BRASS HANDLES: 75MM      | EA   | 5.18   | 1        | 9.92.3           | :Fixing chromium plated brass handles with necessary screws etc. complete: 75mm  |
| 2290.    | CHROMPLATDBRASSCASEMENT WINDOWFASTENER   | EA   | 8.48   | 1        | 9.93             | :Fixing chromium plated brass casement window fastener with necessary screws etc. complete.  |
| 2300.    | CHROMPLTDBRASCSEMNTSTY:300MMWGHNOT<330GM | EA   | 8.48   | 1        | 9.94.1           | :Fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete : 300mm weighing not less than 330 gms                          |
| 2310.    | CHROMPLTDBRASCSEMNTSTY:250MMWGHNOT<280GM | EA   | 8.48   | 1        | 9.94.2           | :Fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete : 250mm weighing not less than 280 gms                          |

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|----------|--|------|-------|----------|------------------|--|
| 2320.    | CHROMPLTDBRASCSEMNTSTY:200MMWGHNOT<240GM | EA   | 8.48  | 1        | 9.94.3           | :Fixing chromium plated brass casement stays (straight peg type) with necessary screws etc. complete : 200mm weighing not less than 240 gms  |
| 2330.    | ALUMINIUM BUTT HINGE ANODISED:125X75X4MM | EA   | 17.76 | 1        | 9.95.1           | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:125x75x4mm |
| 2340.    | ALUMINIUM BUTT HINGE ANODISED:125X63X4MM | EA   | 17.76 | 1        | 9.95.2           | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:125x63x4mm |
| 2350.    | ALUMINIUM BUTT HINGE ANODISED:100X75X4MM | EA   | 17.52 | 1        | 9.95.3           | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:100x75x4mm |
| 2360.    | ALUMINIUM BUTT HINGE ANODISED:100X63X4MM | EA   | 17.52 | 1        | 9.95.4           | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:100x63x4mm |
| 2370.    | ALUMINIUMBUTTHINGE ANODISED:100X63X3.2MM | EA   | 17.52 | 1        | 9.95.5           | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS :  |



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|----------|---|------|-------|----------|-------------------|--|
|          |   |      |       |          |                   | 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:100x63x3.2mm   |
| 2380.    | ALUMINIUM BUTT HINGE<br>ANODISED:75X63X4MM  | EA   | 17.28 | 1        | 9.95.6            | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:75x63x4mm      |
| 2390.    | ALUMINIUM BUTTHINGE<br>ANODISED:75X63X3.2MM | EA   | 17.28 | 1        | 9.95.7            | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:75x63x3.2mm    |
| 2400.    | ALUMINIUM BUTTHINGE<br>ANODISED:75X45X3.2MM | EA   | 17.28 | 1        | 9.95.8            | :Fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:75x45x3.2mm    |
| 2410.    | ALUMINIUM SLIDING DOOR<br>BOLTS:300X16MM    | EA   | 42.61 | 1        | 9.96.1            | :Fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:300x16mm |
| 2420.    | ALUMINIUM SLIDING DOOR<br>BOLTS:250X16MM    | EA   | 42.61 | 1        | 9.96.2            | :Fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:250x16mm |

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|----------|--------------------------------|------|-------|----------|------------------|--|
| 2430.    | ALUMINIUM TOWER BOLTS:300X10MM | EA   | 11.46 | 1        | 9.97.1           | :Fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10mm |
| 2440.    | ALUMINIUM TOWER BOLTS:250X10MM | EA   | 11.46 | 1        | 9.97.2           | :Fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete: 250x10mm |
| 2450.    | ALUMINIUM TOWER BOLTS:200X10MM | EA   | 11.02 | 1        | 9.97.3           | :Fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10mm |
| 2460.    | ALUMINIUM TOWER BOLTS:150X10MM | EA   | 7.31  | 1        | 9.97.4           | :Fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete: 150x10mm |
| 2470.    | ALUMINIUM TOWER BOLTS:100X10MM | EA   | 7.31  | 1        | 9.97.5           | :Fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x10mm |
| 2480.    | ALUMINIUM PULL BOLT LOCK       | EA   | 18.78 | 1        | 9.98             | :Fixing aluminium pull bolt lock anodised ISI marked   |

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|          | ANODISED                                 |      |       |          |                  | (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws bolts, nut and washers etc. complete.                                      |
| 2490.    | 50CMLONGALUMINIUMKICKINGPLATE 100X3.15MM | EA   | 10.13 | 1        | 9.99             | :Fixing 50cm long aluminium kicking plate 100x3.15mm anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screws etc. complete. |
| 2500.    | ALUMINIUM HANDLES ANODISED:125MM         | EA   | 5.66  | 1        | 9.100.1          | :Fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125mm          |
| 2510.    | ALUMINIUM HANDLES ANODISED:100MM         | EA   | 5.42  | 1        | 9.100.2          | :Fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100mm          |
| 2520.    | ALUMINIUM HANDLES ANODISED:75MM          | EA   | 5.42  | 1        | 9.100.3          | :Fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 75mm           |
| 2530.    | ALUMINIUM DOOR STOPPER-SINGLE RUBBER     | EA   | 3.19  | 1        | 9.101.1          | :Fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as   |

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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Single rubber stopper  |
| 2540.    | ALUMINIUM DOOR STOPPER-TWIN RUBBER         | EA   | 3.19   | 1        | 9.101.2           | :Fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Twin rubber stopper                                |
| 2550.    | ALUMINIUM CASEMENT STAYS                   | EA   | 8.48   | 1        | 9.102             | :Fixing aluminium casement stays ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.  |
| 2560.    | BRASS 100MM MORTICE LATCH AND LOCK         | EA   | 152.00 | 1        | 9.103             | :Fixing bright finished brass 100mm mortice latch and lock ISI marked with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles with necessary screws etc. complete (Best make of approved quality). |
| 2570.    | ALUMINIUM CHANNELS-ROLLERS,STOPEND-PELMETS | M    | 5.49   | 1        | 9.104             | :Fixing aluminium tee channels (heavy duty) with rollers, stop end in pelmets as curtain rod.   |
| 2580.    | FIXINPARTITIONUPTOCEILNGHT-GYPSUM BOARD    | M2   | 596.99 | 1        | 9.105.1           | :Fixing partition upto ceiling height consisting of G.I. frame and required board including providing and fixing of frame work made of special section power pressed / roll form  |

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|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | G.I. sheet with zinc coating of grade 175 consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 20mm long drive wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to centre, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of Engineer-in-Charge all complete. :67mm overall thickness partition with 8.5mm thick double skin glass reinforced Gypsum (GRG) board conforming to IS : 2095: part III. |
| 2590.    | PARTITIONUPTOCEILINGHGT-PLAIN GYPSUMBRD | M2   | 596.99 | 1        | 9.105.2           | :Fixing partition upto ceiling height consisting of G.I. frame and required board including providing and fixing of frame work made of special section power pressed / roll form G.I. sheet with zinc coating of grade 175 consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener  |

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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 20mm long drive wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to centre, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of Engineer-in-Charge all complete. :75mm overall thickness partition with 12.5mm thick double skin plain Gypsum board conforming to IS : 2095: part I |
| 2600.    | PARTITIONUPTOCEILGHT.-<br>CALCIUMSILICATEBRD | M2   | 596.99 | 1        | 9.105.3           | :Fixing partition upto ceiling height consisting of G.I. frame and required board including providing and fixing of frame work made of special section power pressed / roll form G.I. sheet with zinc coating of grade 175 consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm  |

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|          |  |      |        |          |                  | centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 20mm long drive wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to centre, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of Engineer-in-Charge all complete. :66mm overall thickness Partition with 8mm thick double skin Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg/sq.cm. |
| 2610.    | PARTITIONUPTOCEILNGHT.-NONASBESTSCMNTBRD | M2   | 596.99 | 1        | 9.105.4          | :Fixing partition upto ceiling height consisting of G.I. frame and required board including providing and fixing of frame work made of special section power pressed / roll form G.I. sheet with zinc coating of grade 175 consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of   |

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|----------|---|------|-------|----------|------------------|--|
|          |   |      |       |          |                  | partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 20mm long drive wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to centre, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of Engineer-in-Charge all complete. :66mm overall thickness partition using 8mm thick double skin non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS : 14862 with suitable fibre cement screw. |
| 2620.    | PTMT HANDLES:125X34X24MMWGHTN OT<23 GMS | EA   | 4.83  | 1        | 9.106.1          | :Fixing PTMT handles with necessary screws etc. complete. :125x34x24mm weighing not less than 23 gms   |
| 2630.    | PTMT HANDLES:150X34X24MMWGHTN OT26 GMS. | EA   | 4.83  | 1        | 9.106.2          | :Fixing PTMT handles with necessary screws etc. complete. :150x34x24mm weighing not less than 26 gms.  |
| 2640.    | PTMT BUTT HINGE-75X60X10MM              | EA   | 15.33 | 1        | 9.107.1          | :Fixing PTMT Butt hinges with necessary screws etc. complete. 75x60x10mm fitted with 5.5mm dia M.S. Bright Bar Rod weighing not less than 34 gms.  |
| 2650.    | PTMT BUTT HINGE-100X75X10MM             | EA   | 15.57 | 1        | 9.107.2          | :Fixing PTMT Butt hinges with necessary screws etc. complete. 100x75x10mm fitted with 5.5mm dia MS Bright  |



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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | Bar Rod weighing not less than 53 gms.   |
| 2660.    | PTMT TOWER BOLTS-<br>152X42X18MMWGTONOT<60 GM | EA   | 6.19   | 1        | 9.108.1          | :Fixing PTMT Tower Bolts with 12mm one piece rod inside and necessary screws etc., complete.152x42x18mm weighing not less than 60 gms  |
| 2670.    | PTMT TOWER BOLTS-<br>202X42X18MMWGTONOT<78 GM | EA   | 7.56   | 1        | 9.108.2          | :Fixing PTMT Tower Bolts with 12mm one piece rod inside and necessary screws etc., complete.202x42x18mm weighing not less than 78 gms.   |
| 2680.    | PTMT DOOR CATCHER OF LENGTH 72MM              | EA   | 3.19   | 1        | 9.109            | :Fixing PTMT door catcher of length 72mm and dia. of 42mm with suitable washers weighing not less than 33 gms.   |
| 2690.    | BAMBOO JAFFERY / FENCING                      | M2   | 195.24 | 1        | 9.110            | :Fixing Bamboo jaffery / fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hallock wood in scantling of section 50X25mm fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-Charge. |
| 2700.    | WOODEN MOULDED CORNER BEADING                 | M    | 127.21 | 1        | 9.111.1          | :Fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood. 50x50mm (base and height).  |

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|----------|--|------|--------|----------|------------------|--|
| 2710.    | 2ND CLASSTEAKWOODLIPPING/MOULDED BEADING | M    | 31.74  | 1        | 9.112            | :Fixing 2nd class teak wood lipping / moulded beading or taj beading of size 18X5mm fixed with wooden adhesive of approved quality and screws / nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-Charge. |
| 2720.    | MORTICE LOCK-6 LEVERWITHOUTPAIROFHANDLE  | EA   | 113.91 | 1        | 9.113            | :Fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminium door with necessary screws etc complete (Best make of approved qllality) as per direction of Engineer-incharge.                                 |
| 2730.    | MAGNETICCATCHER-CUPBOARDTRIPLSTRPVERTICL | EA   | 6.85   | 1        | 9.114.1          | :Fixing magnetic catcher in cupboard / wardrobe shutters including fixing with necessary screws etc. complete (Best make of approved quality) :Triple strip vertical type.   |
| 2740.    | MAGNETICCATCHER-CUPBOARDDBLSTRPHORIZONTL | EA   | 6.85   | 1        | 9.114.2          | :Fixing magnetic catcher in cupboard / wardrobe shutters including fixing with necessary screws etc. complete (Best make of approved quality) :Double strip (horizontal type).   |
| 2750.    | POWDER COATED TELESCOPIC DRAWER CHANNEL  | SET  | 31.54  | 1        | 9.115            | :Fixing powder coated telescopic drawer channels 300mm long with necessary screws etc. complete as per directions of Engineer in-charge.   |
| 2760.    | SLIDING ARRANGEMENT IN RACKS/CUPBOARDS   | EA   | 2.74   | 1        | 9.116            | :Fixing sliding arrangement in racks / cupboards / cabinets shutter by P/F stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)                                     |

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|----------|---------------------------------------|------|--------|----------|------------------|--|
| 2770.    | FACTORY MADE UPVC DOOR FRAME-48X40MM. | M    | 42.64  | 1        | 9.117.1          | :Fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance $\pm 1\text{mm}$ ) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$ , corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-Charge:Extruded section profile size 48x40mm. |
| 2780.    | FACTORY MADE UPVC DOOR FRAME-42X50MM. | M    | 42.64  | 1        | 9.117.2          | :Fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance $\pm 1\text{mm}$ ) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$ , corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-Charge:Extruded section profile size 42x50mm. |
| 2790.    | 24MMTHKFACTORY MADE PVC DOOR SHUTTERS | M2   | 247.63 | 1        | 9.118.1          | :Fixing to existing door frames. :24mm thick factory made PVC door shutters made of styles and rails of a UPVC   |

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|          |  |      |        |          |                  | hollow section of size 59x24mm and wall thickness 2mm $\pm$ 0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20mm and 1mm $\pm$ 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24mm and 2mm $\pm$ 0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm $\pm$ 0.1mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-Charge (For W.C. and bathroom door shutter). |
| 2800.    | 30MMTHKFACTORY MADE (PVC) DOOR SHUTTER | M2   | 247.63 | 1        | 9.118.2          | :Fixing to existing door frames. :30mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x30mm and wall thickness 2mm $\pm$ 0.2mm with inbuilt decorative moulding edging on one side. The styles and rails mitred and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220mm having wall thickness 1.0mm and stainless steel screws. The styles of the shutter  |

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|          |                                    |      |        |          |                   | reinforced by inserting galvanised M.S. tube of size 25x20mm and 1mm $\pm$ 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm $\pm$ 0.2mm wall thickness fixed to the shutter styles by means of plastic / galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620mm, having over all thickness of 20mm and 1mm $\pm$ 0.1mm wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-Charge.  |
| 2810.    | 25MM THICK PVC FLUSH DOOR SHUTTERS | M2   | 247.63 | 1        | 9.118.3           | :Fixing to existing door frames. :25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm $\pm$ 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm x 11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-Charge to take |

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|          |                                       |      |        |          |                  | up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places  |
| 2820.    | FIXING PVC DOOR FRAME OF SIZE 50X47MM | M    | 44.29  | 1        | 9.119            | :Fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to. be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge.  |
| 2830.    | 30MMTHK PANEL PVC DOOR SHUTTER        | M2   | 247.63 | 1        | 9.120.1          | :Fixing to existing door frames.:30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. Paneling of 5mm thick both side PVC sheet to be fitted in the M.S. frame welded / sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge. Manufacturer's specification & drawing (for W.C. and bathroom door shutter). |
| 2840.    | 30MMSOLID2SIDEPRE-LAMINATEDPANELPVCDOOR | M2   | 247.63 | 1        | 9.120.2          | :Fixing to existing door frames.:30mm thick factory made solid both side Pre-laminated panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded Pre-laminated PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mmshall be tapered in 45 degree on the inner side to form top and bottom rail and  |

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| Item No. | Description                       | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|-----------------------------------|------|--------|----------|------------------|---|
|          |                                   |      |        |          |                  | 115mm wide PVCsheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2 ) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5mm thick both side Pre-laminated PVC sheet to be fitted in the M.S. frame welded / sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-Charge.Manufacturer's specification & drawing (for W.C. and bathroom door shutter). |
| 2850.    | FRP DOOR FRAMES OF CS 90MM X 45MM | M    | 44.29  | 1        | 9.121            | :Fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness .The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat .Doorframe laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiberglass from all sides. M.S. stay shall be provided at the bottom to steady the frame.  |
| 2860.    | 30MM THICK FRP PANELLED           | M2   | 247.63 | 1        | 9.122.1          | :Fixing to existing door frames.30mm thick Glass Fibre  |



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|----------|------------------------------------|------|--------|----------|------------------|---|
|          | DOOR SHUTTER                       |      |        |          |                  | Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS : 14856 - 2000 including fixing to frames.  |
| 2870.    | 30MM THICK FRP FLUSH DOOR SHUTTER  | M2   | 247.63 | 1        | 9.122.2          | :Fixing to existing door frames.30mm thick fiberglass reinforced plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF) / Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS : 14856: 2000, complete as per direction of Engineer-in-Charge. |
| 2880.    | DOOR FRAME-SINGLE REBATE)-PVC FOAM | M    | 44.29  | 1        | 9.123            | :Fixing factory made door frame (single rebate) made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 60mm width & 30mm thickness and shall be fixed to wall as per instructions of Engineer-in-Charge using 100x8 sheet  |

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|          |   |      |        |          |                   | metal CSK screws.   |
| 2890.    | 28MM THK DOOR SHUTTER<br>MADE OF PVC FOAM | M2   | 247.63 | 1        | 9.124.1           | Fixing 28mm thick door shutter made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as styles and rails. Joints are made using solvent adhesive and GI 'C' sections (39mm x 19mm x 0.6mm thick) or M S pipe (40mm x 20mm ) stiffener frame insert & telescopic polymeric 'L' corners .The panel shall be filled with 3mm thick high - pressure compact laminate as per manufacturer's specifications and direction of Engineer-in-Charge, cover moulding shall be provided for covering fixing screws and elegant look.( for W.C. and bathroom door shutter).  |
| 2900.    | 28MM THK DOOR SHUTTER<br>MADE OF PVC FOAM | M2   | 247.63 | 1        | 9.124.2           | :Fixing 28mm thick door shutter made of solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 71mm width & 28mm thick as styles and rails. Joints are made using solvent adhesive and GI 'C' sections (39mm x 19mm x 0.6mm thick) or M S pipe (40mm x 20mm ) stiffener frame insert & telescopic polymeric 'L' corners .The panel shall be filled with 3mm thick high - pressure compact laminate as per manufacturer's specifications and direction of Engineer-in-Charge, cover moulding shall be provided for covering fixing screws and elegant look.( for W.C. and bathroom door shutter). |

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| 2910.    | PVC RIGID FOAM SHEET ON EXISTING DOOR      | M2   | 821.97 | 1        | 9.125            | :Fixing PVC rigid foam sheet 1mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.  |
| 2920.    | 12MMTHK PANELLING, GLAZING-MARINE PLYWOOD  | M2   | 736.12 | 1        | 9.126.1          | :Fixing 12mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick. Marine plywood conforming to IS : 710           |
| 2930.    | 12MMTHK PANELNG, GLAZING-FIRERTRDNT PLYWOD | M2   | 736.12 | 1        | 9.126.2          | :Fixing 12mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick. Fire retardant plywood conforming to IS : 5509. |
| 2940.    | DECORATIVE LAMINATED SHEET 1.5MM THICK     | M2   | 271.14 | 1        | 9.127.1          | :Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality-1.5mm thick.   |

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| 2950.    | DECORATIVE LAMINATED SHEET 1.0MM THICK  | M2   | 271.14 | 1        | 9.127.2           | :Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality-1.0mm thick.  |
| 2960.    | FRP CHAJJA 4MM THICK OF REQUIRED COLOUR | M2   | 825.17 | 1        | 9.128             | :Fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2nos. vertically and 1nos. horizontally 50x2mm thick M.S. flat with 12mm in built hole for grouting on the existing wall along with the 50mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings. The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS : 6746 duly reinforced with fibre glass chopped strand mat (CSM) as per IS : 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight. |
| 2970.    | CUP BOARD SHUTTERS 25MM THICK           | M2   | 381.93 | 1        | 9.129             | :Fixing cup board shutters 25mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS : 12823 marked exterior grade (Grade I   |

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|          |  |      |        |          |                  | Type II) having one side decorative lamination and other side balancing lamination including IInd class teak wood lipping of 25mm wide x12mm thick with necessary screws and bright finished stainless steel piano hinges complete as per direction of the Engineer-in-Charge   |
| 2980.    | CUPBRDSHR-DECORATIVE VENEER ONE SIDE     | M2   | 381.93 | 1        | 9.130.1          | :Fixing cup board shutters with 25mm thick veneered particle board IS : 3097 marked exterior grade (Grade I) of approved make including IInd class teak wood lipping of 25mm wide x 12mm thick with necessary screws and bright finished stainless steel piano hinges complete as per direction of Engineer-in-Charge.With decorative veneering on one side and commercial veneering on other side. |
| 2990.    | CUPBRDSHR-DECORATIVE VENEER BOTH SIDE    | M2   | 381.93 | 1        | 9.130.2          | :Fixing cup board shutters with 25mm thick veneered particle board IS : 3097 marked exterior grade (Grade I) of approved make including IInd class teak wood lipping of 25mm wide x 12mm thick with necessary screws and bright finished stainless steel piano hinges complete as per direction of Engineer-in-Charge.With non decorative veneering on both sides.                                  |
| 3000.    | PRE-LAMINATED PARTICLE BOARD-25MM THICK. | M2   | 245.04 | 1        | 9.131.1          | :Fixing factory made Pre-laminated particle board flat pressed three layer or graded wood particle board with one side decorative finish and other side balancing lamination conforming to IS : 12823 Grade I Type II, of   |

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|          |   |      |        |          |                  | approved design, and edges sealed with water resistant paint and lipped with aluminium 'U' type edge beading all-round the shutter, including fixing with angle cleat, grip strip, cadmium plated steel screws including fixing of aluminium hinges 100x63x4mm etc. complete as per architectural drawing and direction of Engineer-in-Charge (Cost of 'U' beading and hinges will be paid for separately).25mm thick.   |
| 3010.    | FIXING ALUMINUM U BEADIN TO FLUSH DOOR  | KG   | 205.65 | 1        | 9.132            | :Fixing aluminum U beading of required size to Pre laminated / flush door shutter including fixing etc. complete as per direction of Engineer-in-Charge.   |
| 3020.    | WALLPANELIN-CALCIUM SILICATEBRD10MM THK | M2   | 545.04 | 1        | 9.133.1.1        | :Fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55mm thick) having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm placed @ 610mm C/C in perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610mm C/C with fully threaded self tapping drive all screws. Board is fixed to the 'W' profile with 25mm countersunk ribbed head screws @ 200mm C/C., all complete as per the drawing & directions of Engineer-in-Charge the joints of the boards are finished with specially formulated jointing compound and 48mm |

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|          |                                     |      |        |          |                  | wide jointing tape to provide seamless finish.Tapered edge calcium silicate board made with calcareous & siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with compressive strength 225 kg/sq.cm, Bending strength 100 kg/sq.cm.10mm thick  |
| 3030.    | WALL PANELING-NON-ASBESTOS 8 THICK. | M2   | 545.04 | 1        | 9.133.2.1        | :Fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55mm thick) having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm placed @ 610mm C/C in perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610mm C/C with fully threaded self tapping drive all screws. Board is fixed to the 'W' profile with 25mm countersunk ribbed head screws @ 200mm C/C., all complete as per the drawing & directions of Engineer-in-Charge the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish.Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS: 14862 with suitable fibre cement screw. 8mm thick. |
|          |                                     |      |        |          |                  |  |

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| 3040.    | WALL PANELING-GYPSUM BOARD-12.5MM THICK. | M2   | 545.04   | 1        | 9.133.3.1         | :Fixing, in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55mm thick) having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm placed @ 610mm C/C in perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610mm C/C with fully threaded self tapping drive all screws. Board is fixed to the 'W' profile with 25mm countersunk ribbed head screws @ 200mm C/C., all complete as per the drawing & directions of Engineer-in-Charge the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish.Gypsum board conforming to IS : 2095 - 1996: Part - I.12.5mm thick. |
| 3050.    | SS W/gauge shutter,35mm,MS-Hinge,Teak    | M2   | 1,146.54 | 1        | 9.134.1.1.1       | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 35 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Second class teak wood   |
| 3060.    | SS W/gauge shutter,35mm,MS-Hinge,Hollock | M2   | 1,157.49 | 1        | 9.134.1.1.2       | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and   |



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|          |   |      |          |          |                  | clerestory windows with necessary screws : 35 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Kiln seasoned and chemically treated hollock wood  |
| 3070.    | SS W/gauge shtter,35mm,MS-Hinge,Seesam  | M2   | 1,146.54 | 1        | 9.134.1.1.3      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 35 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Kiln seasoned selected class of sheesham wood |
| 3080.    | SS W/gauge shtter,35mm,SS-Hinge,Teak    | M2   | 1,146.54 | 1        | 9.134.1.2.1      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 35 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Second class teak wood                                     |
| 3090.    | SS W/gauge shtter,35mm,SS-Hinge,Hollock | M2   | 1,157.49 | 1        | 9.134.1.2.2      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 35 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Kiln seasoned and chemically treated hollock wood          |
| 3100.    | SS W/gauge shtter,35mm,SS-Hinge,Seesum  | M2   | 1,146.54 | 1        | 9.134.1.2.3      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of  |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 35 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Kiln seasoned selected class of sheesham wood   |
| 3110.    | SS W/gauge shtter,30mm,MS-Hinge,Teak    | M2   | 1,061.29 | 1        | 9.134.2.1.1      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Second class teak wood                            |
| 3120.    | SS W/gauge shtter,30mm,MS-Hinge,Hollock | M2   | 1,072.23 | 1        | 9.134.2.1.2      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Kiln seasoned and chemically treated hollock wood |
| 3130.    | SS W/gauge shtter,30mm,MS-Hinge,Seesam  | M2   | 1,061.29 | 1        | 9.134.2.1.3      | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , with ISI marked M.S. pressed butt hinges bright finished of required size: Kiln seasoned selected class of                   |

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|          |  |      |          |          |                   | sheesham wood  |
| 3140.    | SS W/gauge shutter,30mm,SS-Hinge,Teak    | M2   | 1,061.29 | 1        | 9.134.2.2.1       | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Second class teak wood                            |
| 3150.    | SS W/gauge shutter,30mm,SS-Hinge,Hollock | M2   | 1,072.23 | 1        | 9.134.2.2.2       | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Kiln seasoned and chemically treated hollock wood |
| 3160.    | SS W/gauge shutter,30mm,SS-Hinge,Seesum  | M2   | 1,061.29 | 1        | 9.134.2.2.3       | Fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws : 30 mm thick shutters , With ISI marked stainless steel butt hinges of required size: Kiln seasoned selected class of sheesham wood     |
| 3170.    | SS W/gauge in windows, with Teak bead    | M2   | 278.58   | 1        | 9.135.1           | Fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with   |

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|          |                                       |      |          |          |                  | average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 2nd class teak wood beading 62X19 mm   |
| 3180.    | SS W/gauge in windows, with MS U-bead | M2   | 278.58   | 1        | 9.135.2          | Fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading  |
| 3190.    | Fire resistant GI sheet door frame    | M    | 1,395.52 | 1        | 9.136            | Fixing fire resistant door frame of section 143 x 57 mm having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermiculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10x4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including applying a coat of approved brand fire resistant primer etc. complete as per direction of Engineer-in-charge (Dash fastener to be paid for separately). |
| 3200.    | 50mm thk glazed fire resistant door   | M2   | 143.13   | 1        | 9.137            | Fixing 50 mm thick glazed fire resistant door shutters of 60 minutes fire rating conforming to IS:3614 (Part-II), tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, lock rail, top rail 100 mm wide,  |

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|          |  |      |        |          |                   | bottom rail 200 mm wide, made out of 16 SWG G.I.sheet (zinc coating not less than 120 gm/m2) duly filled FR insulation material and fixing with necessary stainless steel ball bearing hinges of approved make, including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer-in-charge (paneling to be paid for separately).   |
| 3210.    | Glazing in FR door with FR glass 6mm   | M2   | 78.77  | 1        | 9.138.1           | Fixing glazing in fire resistant door shutters, fixed panels, ventilators and partitions etc., with G.I. beading of appropriate size, made out of 20 SWG G.I.sheet (zinc coating not less than 120 gm/m2), fire resistant sealant, including applying a coat of approved fire resistant primer on G.I. beading etc., complete all as per direction of Engineer-in-charge. With clear fire resistant glass panes 6mm thick of approved brand, having minimum 60 minutes fire resistance |
| 3220.    | Panic bar/latch with single body       | EA   | 149.59 | 1        | 9.139             | Fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.  |
| 3230.    | 12mm com.ply Plain lining on framework | M2   | 236.43 | 1        | 9.140.1           | Fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer- ncharge (Frame work shall be paid  |

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|          |   |      |        |          |                   | for separately). 12mm thick commercial ply conforming to IS : 1328 BWR type   |
| 3240.    | PVC door frame,wall thickness 5mm       | M    | 46.32  | 1        | 9.141             | Fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm ( $\pm 0.2$ mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge. |
| 3250.    | 35mm th solid PVC door shutter:Non Deco | M2   | 258.70 | 1        | 9.142.1           | 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm ( $\pm 0.2$ mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self   |

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|          |  |      |        |          |                   | tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Non decorative finish (matt finish)  |
| 3260.    | 35mm th solid PVC door shutter:Decorativ | M2   | 258.70 | 1        | 9.142.2           | 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm ( $\pm 0.2$ mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, |

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|          |  |      |          |          |                   | having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Decorative finish (wood grained finish)  |
| 3270.    | UPVC Door Frame, 2mm thk, all complete | M    | 42.64    | 1        | 9.143             | Fixing factory made uPVC door frame, made of uPVC extruded sections , of size 65 mm x 55 mm with wall thickness 2.0 mm ( ± 0.2 mm) , corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (±0.2 mm), including providing & fixing 3 nos of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fastners, all complete as per manufacturer's specification and direction of Engineer-in-charge. |
| 3280.    | 37mm th PVC door, all complete         | M2   | 3,241.98 | 1        | 9.144             | Fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow section of size 100 mm x 37 mm with wall thickness 2 mm ( ± 0.2 mm), with inbuilt bead on one side, styles and rails mitred cut and joint at the corners by means of 2 nos of plastic brackets of size  |



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|          |   |      |          |          |                   | 75 mm x 220 mm at each corner and stainless steel screws, reinforcing the hinge side of style by inserting PVC profile of size 28 mm x 30 mm, with wall thickness 2 mm ( ± 0.2 mm). Lockrail of size 100 mm x 37 mm, wall thickness 2 mm (+ 0.2 mm) will be fixed to the vertical styles. Providing with PVC snapfit beads and panel of size 100 mm x 20 mm, and inserting 2 nos tie bar of 6 mm dia and fastening with nuts and washers complete, all as per manufacturer's specification and direction of Engineer-in-charge.  |
| 3290.    | PVC door frame,wall thkness 2mm         | M    | 608.29   | 1        | 9.145             | Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including Fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineerin- charge. |
| 3300.    | 37mm th PVC door laminatd, all complete | M2   | 3,475.44 | 1        | 9.146             | Fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and   |

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|          |                                   |      |        |          |                   | laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm ( $\pm 0.2$ mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm ( $\pm 0.2$ mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge. |
| 3310.    | UPVC door/window, casement, frame | M    | 316.37 | 1        | 9.147.1.1         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, $1.2 \pm 0.2$ mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all  |

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|----------|-------------------------------------|------|--------|----------|------------------|--|
|          |                                     |      |        |          |                  | complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: Frame (50 mm x 50 mm)  |
| 3320.    | UPVC door/window, casement, sash    | M    | 298.60 | 1        | 9.147.1.2        | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: Sash (Style and Rail) (62 mm x 34 mm) |
| 3330.    | UPVC door/window, casement, mullion | M    | 339.62 | 1        | 9.147.1.3        | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing  |

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|----------|---------------------------------|------|-------|----------|------------------|--|
|          |                                 |      |       |          |                  | of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: Mullion (intermediate Section) (66 mm x 50 mm)  |
| 3340.    | UPVC door/window, casement, Tee | M    | 92.65 | 1        | 9.147.1.4        | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: 'T' Profile (one vertical length in between two shutters) (24 mm x 34.5 mm) |
| 3350.    | UPVC door/win, casement,        | M    | 92.65 | 1        | 9.147.1.5        | Fixing factory made uPVC white colour casement/sliding   |

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|----------|---------------------------------------|------|--------|----------|-------------------|--|
|          | Glazing/bead                          |      |        |          |                   | <p>window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)</p> <p>Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: Glazing bead (12 mm x 18 mm)</p>   |
| 3360.    | UPVC door/win,Casement outward, Frame | M    | 407.95 | 1        | 9.147.2.1         | <p>Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)</p> <p>Note :- Each member of window to be measured separately with clear length. Casement Window (With friction hinge &amp; outward opening): Casement Frame (67 mm x 62 mm)</p> |

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|----------|---|------|--------|----------|------------------|--|
| 3370.    | UPVC door/win,Casement outward, sash    | M    | 100.43 | 1        | 9.147.2.2        | Fixing factory made uPVC white colour cas ement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Casement Window (With friction hinge & outward opening):Casement Window Sash / Mullion (67 mm x 75 mm ) (style, rail and intermediate section) |
| 3380.    | UPVC door/win,Casement outward,Glz/bead | M    | 29.79  | 1        | 9.147.2.3        | Fixing factory made uPVC white colour cas ement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)  |

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|----------|---------------------------------------|------|--------|----------|-------------------|---|
|          |                                       |      |        |          |                   | Note :- Each member of window to be measured separately with clear length. Casement Window (With friction hinge & outward opening): Casement Glazing bead (35 mm x 18 mm)   |
| 3390.    | UPVC door/win, Sliding, 2 track Frame | M    | 110.13 | 1        | 9.147.3.1         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Window (Two Track, 2/4 Shutters): Two Track Sliding Frame (67 mm x 52 mm) |
| 3400.    | UPVC door/win, Sliding, Sash          | M    | 110.13 | 1        | 9.147.3.2         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all   |

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|          |                                 |      |       |          |                   | complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Window (Two Track, 2/4 Shutters): Sliding window Sash (60 mm x 44 mm)  |
| 3410.    | UPVC door/win,Sliding,interlock | M    | 51.18 | 1        | 9.147.3.3         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Window (Two Track, 2/4 Shutters): Sliding Interlock for Window (one vertical length in each shutter)( 45.5 mm x 28 mm) |
| 3420.    | UPVC door/win,Sliding,Glz bead  | M    | 29.79 | 1        | 9.147.3.4         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized   |



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|          |                                   |      |        |          |                   | steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Window (Two Track, 2/4 Shutters): Sliding Glazing bead (35 mm x 18 mm)  |
| 3430.    | UPVC door, Sliding, 2 track Frame | M    | 119.83 | 1        | 9.147.4.1         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Door (Two Track, 2/4 Shutters):Two Track Sliding Frame (67 mm x 52 mm) |
| 3440.    | UPVC door,Sliding,Sash            | M    | 138.66 | 1        | 9.147.4.2         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing   |

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|          |                             |      |       |          |                   | of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Door (Two Track, 2/4 Shutters): Sliding Door Sash (80 mm x 44 mm)   |
| 3450.    | UPVC door,Sliding,interlock | M    | 51.18 | 1        | 9.147.4.3         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Door (Two Track, 2/4 Shutters): Sliding Interlock for Door (one vertical length in each shutter) (45.5 mm x 28 mm) |
| 3460.    | UPVC door,Sliding,Glz bead  | M    | 29.79 | 1        | 9.147.4.4         | Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at  |

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|          |                                      |      |       |          |                   | all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineer-in-charge. (Glazing, hardware hinges and fitting etc. to be paid separately.)<br>Note :- Each member of window to be measured separately with clear length. Sliding Door (Two Track, 2/4 Shutters): Sliding Glazing bead (35 mm x 18 mm) |
| 3470.    | SS Hinge for UPVC window: 200x19x1.9 | EA   | 18.49 | 1        | 9.148.1           | Fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 200 x 19 x 1.9 mm  |
| 3480.    | SS Hinge for UPVC window: 250x19x1.9 | EA   | 18.49 | 1        | 9.148.2           | Fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 250 x 19 x 1.9 mm  |
| 3490.    | SS Hinge for UPVC window: 300x19x1.9 | EA   | 18.49 | 1        | 9.148.3           | Fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 300 x 19 x 1.9 mm  |
| 3500.    | SS Hinge for UPVC window:            | EA   | 18.49 | 1        | 9.148.4           | Fixing stainless steel (SS-304 grade) friction hinges to the   |

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|----------|---|------|-------|----------|-------------------|---|
|          | 350x19x1.9                              |      |       |          |                   | side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 350 x 19 x 1.9 mm  |
| 3510.    | SS Hinge for UPVC window: 400x19x1.9    | EA   | 18.49 | 1        | 9.148.5           | Fixing stainless steel (SS-304 grade) friction hinges to the side/ top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 400 x 19 x 1.9 mm |
| 3520.    | Casement handle for uPVC window         | EA   | 11.38 | 1        | 9.149             | Fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.   |
| 3530.    | Touch lock for liding uPVC window       | EA   | 11.38 | 1        | 9.150             | Fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.   |
| 3540.    | Steel roller for uPVC window            | EA   | 11.38 | 1        | 9.151             | Fixing steel roller for uPVC sliding window with necessary screws etc. complete.  |
| 3550.    | Steel roller for uPVC Doors             | EA   | 11.38 | 1        | 9.152             | Fixing steel roller for uPVC sliding door with necessary screws etc. complete.  |
| 3560.    | Crescent lock for uPVC sliding win/door | EA   | 11.38 | 1        | 9.153             | Fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.  |
|          |   |      |       |          |                   |   |

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| Item No.               | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|------------------------|---|------|----------|----------|-------------------|---|
| 3570.                  | MS tube Framework for lining/partition  | KG   | 29.17    | 1        | 9.154             | Fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge. |
| <b>10 : STEEL WORK</b> |   |      |          |          |                   |   |
| 10.                    | FIX STR STEEL SINGLE SECTN,W/PRIME COAT | KG   | 16.65    | 1        | 10.1              | :Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.  |
| 20.                    | FIX STR STEEL BUILTUP,TRUSS,FRAME       | KG   | 28.33    | 1        | 10.2              | :Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete:  |
| 30.                    | FIX COLLAPSIBLE STEEL SHUTTER           | M2   | 5,171.46 | 1        | 10.3              | :Fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rail of T-iron 40x40x6mm with 40mm dia, steel pulleys complete with   |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.  |
| 40.      | FIX 1MM THK MS SLIDING SHUTTER W/FRAME   | M2   | 2,119.93 | 1        | 10.4             | :Fixing 1mm thick M.S. sheet sliding-shutters with frame and diagonal braces of 40x40x6mm angle iron, 3mm M.S. gusset plates at the junction and corners 25mm dia pulley, 40x40x6mm angle and T-iron guide at the top and bottom respectively including applying a priming coat of approved steel primer. |
| 50.      | FIX 1MM THK MS SHT DOOR W/L40X40X6 BRACE | M2   | 2,077.13 | 1        | 10.5.1           | :Fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6mm for diagonal braces.                               |
| 60.      | FIX 1MM THK MS SHT DOOR W/FLAT30X6 BRACE | M2   | 2,073.01 | 1        | 10.5.2           | :Fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using flats 30x6mm for diagonal braces and central cross piece.                |
| 70.      | FIX ROLLING SHUTTER W/80X1.25 MS LATHS   | M2   | 543.37   | 1        | 10.6.1           | :Fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets,   |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.<br>80x1.25mm M.S. laths with 1.25mm thick top cover.   |
| 80.      | FIX ROLLING SHUTTER W/80X1.20 MS LATHS | M2   | 543.37 | 1        | 10.6.2           | :Fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.80x1.20mm M.S. laths with 1.20mm thick top cover. |
| 90.      | FIX ROLLING SHUTTER W/80X.90 MS LATHS  | M2   | 543.37 | 1        | 10.6.3           | :Fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.80x0.90mm M.S. laths with                         |

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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | 0.90mm thick top cover.   |
| 100.     | FIXING BALL BEARING FOR ROLLING SHUTTERS | EA   | 70.96  | 1        | 10.7             | :Fixing ball bearing for rolling shutters.  |
| 110.     | PROVIDE MECH DEVICE CHAIN B/W10-16.8 SQM | M2   | 35.65  | 1        | 10.8.1           | :Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area.  |
| 120.     | PROVIDE MECH DEVICE CHAIN BEYOND16.8 SQM | M2   | 35.65  | 1        | 10.8.2           | :Extra for providing mechanical device chain and crank operation for operating rolling shutters.Exceeding 16.80 sqm in area.  |
| 130.     | EXTRA FOR GRILLED ROLLING SHUTTERS       | M2   | 627.21 | 1        | 10.9             | :Extra for providing grilled rolling shutters manufactured out of 8mm dia. M.S. bar instead of laths as per design approved by Engineer-in-Charge. (area of grill to be measured).  |
| 140.     | Fix StdSteelGlazed Door/win: with lugs   | KG   | 50.57  | 1        | 10.10.1          | :Fixing standard steel glazed doors, windows and ventilators in walls with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including fixing of float glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws (only steel windows with lugs, glass panes cut to size and glazing |



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|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | clips or metal beading with screws, shall be supplied by department free of cost.)  |
| 150.     | Fix StdSteelGlazed Door/win: with Dash F | KG   | 27.79 | 1        | 10.10.2          | Fixing standard steel glazed doors, windows and ventilators in walls with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including fixing of float glass panes with glazing clips and special metal-sash putty of approved make, or metal beading with screws (only steel windows with lugs, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.): Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately) |
| 160.     | Fix ISI SteelGlazed Door/win:with lugs   | KG   | 75.84 | 1        | 10.11.1          | :Fixing factory made ISI marked steel glazed doors, windows and ventilators side / top / centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or  |

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|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of other fittings except necessary hinges or pivots complete as per approved design. (Sectional weight of only steel members shall be measured for payment without weight of glass and other fittings.)  |
| 170.     | Fix ISI SteelGlazed Door/win:with Dash F | KG   | 27.51 | 1        | 10.11.2          | Fixing factory made ISI marked steel glazed doors, windows and ventilators side / top / centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of other fittings except necessary hinges or pivots complete as per approved design. (Sectional weight of only steel members shall be measured for payment without weight of glass and other fittings.): Fixing with carbon steel galvanised dash fastener |

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|----------|---|------|-------|----------|-------------------|---|
|          |   |      |       |          |                   | of required dia and size (to be paid for separately)  |
| 180.     | Extra to fix steel beading in doors etc | M    | 9.14  | 1        | 10.12             | :Extra for fixing steel beading of approved shape and section with screw instead of glazing clips and metal sash putty in steel doors, windows, ventilators and composite units.  |
| 190.     | T iron frames,Door/win:with lugs        | KG   | 29.51 | 1        | 10.13.1           | :Fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. |
| 200.     | T iron frames for door/win:with Dash F  | KG   | 27.92 | 1        | 10.13.2           | Fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)   |
| 210.     | Press/steel DoorFrame Prof-B:with lugs  | M    | 92.58 | 1        | 10.14.1.1         | :Fixing pressed steel door frames confirming to IS : 4351 manufactured from commercial mild steel sheet of  |

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|----------|--|------|-------|----------|-------------------|--|
|          |  |      |       |          |                   | 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile B  |
| 220.     | Press/steel DoorFrame Prof-B:with Dash F | M    | 82.03 | 1        | 10.14.1.2         | Fixing pressed steel door frames confirming to IS : 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile B : Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately) |
| 230.     | Press/steel DoorFrame Prof-C:with        | M    | 92.58 | 1        | 10.14.2.1         | :Fixing pressed steel door frames confirming to IS : 4351  |

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|----------|--|------|-------|----------|-------------------|--|
|          | lugs                                     |      |       |          |                   | manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile C   |
| 240.     | Press/steel DoorFrame Prof-C:with Dash F | M    | 82.03 | 1        | 10.14.2.2         | Fixing pressed steel door frames confirming to IS : 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile C : Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately) |
|          |  |      |       |          |                   |  |

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|----------|--|------|-------|----------|-------------------|--|
| 250.     | Press/steel DoorFrame Prof-E:with lugs   | M    | 92.58 | 1        | 10.14.3.1         | :Fixing pressed steel door frames confirming to IS : 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile E   |
| 260.     | Press/steel DoorFrame Prof-E:with Dash F | M    | 82.03 | 1        | 10.14.3.2         | Fixing pressed steel door frames confirming to IS : 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer -in-charge:Profile E : Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately) |

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|----------|--|------|-------|----------|-------------------|---|
| 270.     | MS tubular frame Door/Window:with lugs   | KG   | 44.46 | 1        | 10.15.1           | :Fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish with profiles of required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.   |
| 280.     | MS tubular frame Door/Window:with Dash F | KG   | 40.56 | 1        | 10.15.2           | Fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish with profiles of required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers. Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately) |
| 290.     | STEELWORK HOTFINISH                      | KG   | 44.32 | 1        | 10.16.1           | :Steel work in built up tubular trusses including cutting,  |

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|----------|--|------|-------|----------|-------------------|--|
|          | WELDED TUBULAR TRUSS                           |      |       |          |                   | hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete. Hot finished welded type tubes.  |
| 300.     | STEELWORK<br>HOTFINISHSEAMLESS<br>TUBULARTRUSS | KG   | 44.32 | 1        | 10.16.2           | :Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete. Hot finished seamless type tubes.   |
| 310.     | STEELWORK BUTT WELDED<br>TUBULAR TRUSS         | KG   | 44.32 | 1        | 10.16.3           | :Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete. Electric resistance or induction butt welded tubes.                             |
| 320.     | FIXING MS FAN CLAMP TYPE I/II<br>16DIA BAR     | EA   | 55.58 | 1        | 10.17             | :Fixing M.S. fan clamp type I or II of 16mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete.  |
| 330.     | FIXING CI/MS BOX FOR CEILING<br>FAN            | EA   | 42.88 | 1        | 10.18             | :Fixing circular / Hexagonal cast iron or M.S. sheet box for ceiling fan clamp of internal dia 140mm, 73mm height, top lid of 1.5mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron / M.S. sheet box by means of 3.3mm dia. round |



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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.   |
| 340.     | FIXING MS ROUND HD BOLTS W/NUTS & WASHER  | KG   | 13.55  | 1        | 10.19            | :Fixing M.S. round holding down bolts with nuts and washer plates complete.   |
| 350.     | FIXING BOLTS W/NUTS & WASHER              | KG   | 49.44  | 1        | 10.20            | :Fixing bolts including nuts and washers complete.  |
| 360.     | FIXING MS RIVETS OF SIZES IN POSITION     | KG   | 127.98 | 1        | 10.21            | :Fixing M.S. rivets of sizes in position.   |
| 370.     | WELDING BY GAS/ELECTRIC PLANT W/TRANSPORT | CM   | 0.69   | 1        | 10.22            | :Welding by gas or electric plant including transportation of plant at site etc. complete.  |
| 380.     | FIXING BRASS CASEMENT WINDOW FASTNERS     | KG   |        | 1        | 10.23            | :Fixing bright finished brass casement window fasteners or peg stays to windows / ventilators with necessary welding and machine screws etc. complete.(Deleted)   |
| 390.     | FIXING 14MM BRASS SPRING CATCH            | EA   |        | 1        | 10.24            | :Fixing 14mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc. complete.   |
| 400.     | FIX BUILTUP STEEL & WELD TO STRINGER ETC  | KG   | 8.58   | 1        | 10.25.1          | :Steel work welded in built up sections / framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In stringers, treads, landings etc. of |

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|          |   |      |       |          |                   | stair cases including use of chequered plate wherever required, all complete.  |
| 410.     | FIX BUILTUP STEEL & WELD TO GRATING ETC   | KG   | 49.26 | 1        | 10.25.2           | :Steel work welded in built up sections / framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. |
| 420.     | FIX MSTEUB HANDRAIL W/LADDER ETC BY WELD  | KG   | 44.48 | 1        | 10.26.1           | :Fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and stair case railing including applying a priming coat of approved steel primer. M.S. tube.  |
| 430.     | FIX ERWTUBE HANDRAIL W/LADDER ETC BY WELD | KG   | 48.95 | 1        | 10.26.2           | :Fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and stair case railing including applying a priming coat of approved steel primer. E.R.W. tubes.   |
| 440.     | FIX GIPIPE HANDRAIL W/LADDER ETC BY WELD  | KG   | 43.15 | 1        | 10.26.3           | :Fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and stair case railing including applying a priming coat of approved steel primer. G.I. pipes.   |
| 450.     | Fixg c/stl galv. dash fastener 10 x60 mm  | EA   | 53.42 | 1        | 10.27.1           | Fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm <sup>2</sup> ), counter sunk head,   |

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|          |  |      |       |          |                  | comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge. 10 x60 mm  |
| 460.     | Fixg c/stl galv.dash fastener 10 x80 mm  | EA   | 53.42 | 1        | 10.27.2          | Fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.-10 x80 mm  |
| 470.     | Fixg c/stl galv.dash fastener 10 x120 mm | EA   | 66.11 | 1        | 10.27.3          | Fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.-10 x120 mm |
| 480.     | Fixg c/stl galv.dash fastener 10 x140 mm | EA   | 66.11 | 1        | 10.27.4          | Fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.-10 x140 mm |
| 490.     | Fixg c/stl galv.dash fastener10 x180 mm  | EA   | 78.81 | 1        | 10.27.5          | Fixing carbon steel galvanised ( minimum coating 5 micron ) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc.  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | as per direction of Engineer-in-charge.-10 x180 mm   |
| 500.     | Fixing stainless steel railing           | KG   | 165.90 | 1        | 10.28            | Fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature herever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). |
| 510.     | Fixing fly proof wire gauze 0.63 mm to W | M2   | 213.92 | 1        | 10.29.1          | Fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete- Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on bothsides   |
| 520.     | Fixing fly proof wire gauze 0.5mm to W/V | M2   | 213.92 | 1        | 10.29.2          | Fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete- Galvanised M.S. Wire gauze with 0.5 mm dia wire and 1.4 mm aperture on bothsides  |
| 530.     | Fixing glass panes - 4.0 mm thick        | M2   | 424.84 | 1        | 10.30.1          | Fixing glass panes with putty and glazing clips in steel doors, windows,clerestory windows all complete with 4.0 mm thick glass panes  |
| 540.     | Fixing glass panes - 5.50 mm thick       | M2   | 424.84 | 1        | 10.30.2          | Fixing glass panes with putty and glazing clips in steel doors, windows,clerestory windows all complete with 5.5 mm thick glass panes  |

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|----------------------|--|------|--------|----------|-------------------|---|
| <b>11 : FLOORING</b> |  |      |        |          |                   |   |
| 10.                  | BRICK ON EDGE FLOORING 1:4             | M2   | 227.59 | 1        | 11.1.1            | :Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks: 1:4 (1 cement : 4 coarse sand)   |
| 20.                  | BRICK ON EDGE FLOORING 1:6             | M2   | 227.59 | 1        | 11.1.2            | :Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks: 1:6 (1 cement : 6 coarse sand)   |
| 30.                  | DRY BRICK ON EDGE FLOORING             | M2   | 189.92 | 1        | 11.2              | :Dry brick on edge flooring in required pattern with bricks of class designation 75 on a bed of 12mm mud mortar including filling joints with Jamuna sand (with F.P.S. bricks) complete.  |
| 40.                  | 40MMTHICKCEMENTCONCRETE FLOORING 1:2:4 | M2   | 224.10 | 1        | 11.3.1            | :Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.40mm thick with 20mm nominal size stone aggregate.  |
| 50.                  | 52MMTHICKCEMENTCONCRETE FLOORING 1:2:4 | M2   | 384.19 | 1        | 11.4              | :52mm thick cement concrete flooring with concrete hardener topping under layer 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg |

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|          |  |      |          |          |                  | of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.  |
| 60.      | 62MMTHICK CEMENT CONCRETE FLOORING 1:2:4 | M2   | 399.41   | 1        | 11.5             | :62mm thick cement concrete flooring with concrete hardener topping under layer 50mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. |
| 70.      | CEMENT PLASTER SKIRTING 1:3.             | M2   | 294.77   | 1        | 11.6.1           | :Cement plaster skirting (up to 30cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.18mm thick.  |
| 80.      | CEMENT CONCRETE PAVEMENT 1:2:4.          | M3   | 2,082.98 | 1        | 11.7             | :Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete.   |
| 90.      | C.CPAVEMENT1:2:4.EXTRA FOR CHEQUERS.     | M2   | 49.27    | 1        | 11.8             | :Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.   |
| 100.     | 40 MMMARBLEFLOORING DARK                 | M2   | 492.69   | 1        | 11.9.1           | :40mm thick marble chips flooring rubbed and polished to   |

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|----------|---|------|--------|----------|-------------------|---|
|          | SHADE PIGMENT                             |      |        |          |                   | granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete:Dark shade pigment with ordinary cement.  |
| 110.     | 40 MM MARBLE FLOORING LIGHT SHADE PIGMENT | M2   | 492.69 | 1        | 11.9.2            | :40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete:Light shade pigment with white cement. |
| 120.     | 40 MM THICK MARBLE MEDIUM SHADE PIGMENT.  | M2   | 492.69 | 1        | 11.9.3            | :40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick   |

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|          |  |      |        |          |                  | with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete:Medium shade pigment with 50% white cement and 50% ordinary cement.   |
| 130.     | 40MMFLOORING WHITE CEMENTWITHOUT PIGMENT | M2   | 491.73 | 1        | 11.9.4           | :40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete:White cement without any pigment. |
| 140.     | 40MM LIGHT SHADE WITH ORDINARY CEMENT    | M2   | 492.69 | 1        | 11.9.5           | :40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble  |



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|          |  |      |        |          |                  | powder mix : 7 marble chips) by volume including cement slurry etc. complete:Light shade pigment with ordinary cement.  |
| 150.     | 40MMFLOORINGORD.CEMENTWI<br>THOUTANY PIGMENT   | M2   | 492.52 | 1        | 11.9.6           | :40mm thick marble chips flooring rubbed and polished to granolithic finish, under layer 34mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1mm to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete:Ordinary cement without any pigment. |
| 160.     | 40<br>MMFLOORINGDARKPIGMENTOR<br>DINARY CEMENT | M2   | 486.08 | 1        | 11.10.1          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete.Dark shade pigment with Ordinary cement. |

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|----------|---|------|--------|----------|------------------|--|
| 170.     | 40MMMARBLEFLOORINGLIGHT SHADE PIGMENT     | M2   | 486.08 | 1        | 11.10.2          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete.Light shade pigment with white cement.                              |
| 180.     | 40MMTHICKFLOORINGMEDIUM SHADE PIGMENT     | M2   | 486.08 | 1        | 11.10.3          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete.Medium shade pigment with 50% white cement and 50% ordinary cement. |
| 190.     | 40MMTHKFLRINGWHITECEMNT WITHOUTANYPIGMENT | M2   | 491.73 | 1        | 11.10.4          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone  |

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|          |  |      |        |          |                   | aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete. White cement without any pigment.   |
| 200.     | 40MMFLRINGLIGHTSHADEPIGMENT<br>ORDINARY CEMENT | M2   | 486.08 | 1        | 11.10.5           | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete. Light shade pigment with ordinary cement. |
| 210.     | 40MMFLRING ORDINARY CEMENT<br>WITHOUT PIGMENT  | M2   | 484.64 | 1        | 11.10.6           | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 31mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 9mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 4mm to 7mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble   |

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|          |  |      |        |          |                  | powder) by weight in proportion of 4:7 (4 cement marble powder : 7 marble chips) by volume including cement slurry etc. complete.Ordinary cement without any pigment.  |
| 220.     | 40MMFLRINGDARKSHADEPIGMENTWITHORD.CEMENT | M2   | 491.98 | 1        | 11.11.1          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:Dark shade pigment with ordinary cement. |
| 230.     | 40MMFLRINGLIGHTSHADEPIGMENTWHITE CEMENT  | M2   | 491.98 | 1        | 11.11.2          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:Light shade pigment with white cement.   |

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|----------|---|------|--------|----------|------------------|---|
| 240.     | 40MM FLOORING MEDIUM SHADE PIGMENT        | M2   | 491.98 | 1        | 11.11.3          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:Medium shade pigment with 50% white cement and 50% ordinary cement. |
| 250.     | 40MM FLRING WHITE CEMENT WITHOUT PIGMENT  | M2   | 484.64 | 1        | 11.11.4          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:White cement without any pigment.                                   |
| 260.     | 40MMFLRINGLIGHTSHADEPIGMENT WITHORD.CEMNT | M2   | 491.98 | 1        | 11.11.5          | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete  |

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|          |  |      |        |          |                   | 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:Light shade pigment with ordinary cement.   |
| 270.     | 40MMFLRINGORD.CEMENTWITH OUTPIGMENT      | M2   | 484.64 | 1        | 11.11.6           | :40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate, grey yellow or green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement Slurry etc. complete:Ordinary cement without any pigment. |
| 280.     | MARBLE CHIPS SKIRTING DARK SHADE PIGMENT | M2   | 992.67 | 1        | 11.12.1.1         | :Marble chips skirting (up to 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by   |

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|          |  |      |        |          |                  | weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume:18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :Dark shade pigment with ordinary cement.   |
| 290.     | MARBLECHIPS SKIRTING LIGHT SHADE PIGMENT | M2   | 992.67 | 1        | 11.12.1.2        | :Marble chips skirting (up to 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume.18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :Light shade pigment with white cement.                              |
| 300.     | MARBLECHIPS SKIRTING LIGHT SHADE PIGMENT | M2   | 992.67 | 1        | 11.12.1.3        | :Marble chips skirting (up to 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume.18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :Medium shade pigment with 50% white cement and 50% ordinary cement. |
| 310.     | MRBLECHIPSKIRTINGWHITECEM                | M2   | 991.71 | 1        | 11.12.1.4        | :Marble chips skirting (up to 30cm height) rubbed and   |

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|----------|--|------|--------|----------|-------------------|--|
|          | NTWITHUTPIGMNT                               |      |        |          |                   | polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume. 18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) : White cement without any pigment.  |
| 320.     | MARBLECHIPSKIRTING LIGHT SHADE PIGMENT       | M2   | 992.67 | 1        | 11.12.1.5         | : Marble chips skirting (up to 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume. 18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) : Light shade pigment with ordinary cement. |
| 330.     | MARBLECHIPSKIRTING GORD. CEMENT WITHUTPIGMNT | M2   | 992.50 | 1        | 11.12.1.6         | : Marble chips skirting (up to 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3 : 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume. 18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse   |



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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | sand) :Ordinary cement without any pigment.   |
| 340.     | GLASS STRIPS, 40MM WIDE AND 4MM THICK    | M    | 36.02  | 1        | 11.13.1           | :Fixing glass strips in joints of terrazo / cement concrete floors:40mm wide and 4mm thick.   |
| 350.     | GLASS STRIPSEXTRALAYING TERRAZO FLOORING | M2   | 55.65  | 1        | 11.14             | :Extra for laying terrazo flooring on staircase treads not exceeding 30cm in width including cost of forming, nosing etc.   |
| 360.     | 18 MM THICK CRAZY MARBLE STONE           | M2   | 875.29 | 1        | 11.15.1           | :Crazy marble stone flooring including filling the gaps with light shade pigment with white cement marble powder mixture (3 parts of white cement : 1 part of marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 white, black or white and black marble chips of sizes from 1mm to 4mm nominal size by volume) and under layer 25mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) rubbing, polishing and cement slurry etc. complete:18mm thick crazy marble stone white, black or as specified. |
| 370.     | PRCSTTERRAZOTILES22MMLIGHT SHADE CM 1:4  | M2   | 495.07 | 1        | 11.16.1           | :Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Light shade using white cement.  |

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|----------|---|------|--------|----------|-------------------|--|
| 380.     | PRCSTTERRAZOTILE22MMEDIUM SHADE-CM 1:4      | M2   | 495.07 | 1        | 11.16.2           | :Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Medium shade using 50%white cement and 50% ordinary cement. |
| 390.     | PRECASTTERRAZOTILE22MMDARK SHADE-CM 1:4     | M2   | 495.07 | 1        | 11.16.3           | :Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Dark shade using ordinary cement                            |
| 400.     | PRECAST TERRAZO TILES22MM-CM 1:4            | M2   | 495.07 | 1        | 11.16.4           | :Precast terrazo tiles 22mm thick with graded marble chips of size upto 12mm laid in floors, and landings, jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Ordinary cement without any pigment.                        |
| 410.     | TERRAZOTILE22MMEXTRAIF TILE SLAID IN TREADS | M2   | 72.40  | 1        | 11.17             | :Extra if terrazo tiles are laid in treads of steps not exceeding 30cm in width.   |

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|----------|--|------|--------|----------|-------------------|--|
| 420.     | PRECASTTERRAZOTILES22MMLIGHT SHADE-CM 1:3  | M2   | 994.31 | 1        | 11.18.1           | :Precast terrazo tiles 22mm thick with graded marble chips of sizes upto 12mm in skirting and risers of steps not exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :Light shade using white cement.                               |
| 430.     | PRECASTTERRAZOTILES22MM MEDIUM SHADE-CM1:3 | M2   | 994.31 | 1        | 11.18.2           | :Precast terrazo tiles 22mm thick with graded marble chips of sizes upto 12mm in skirting and risers of steps not exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :Medium shades using 50% white cement and 50% ordinary cement. |
| 440.     | PRECASTTERRAZOTILES DARK SHADE-CM 1:3      | M2   | 994.31 | 1        | 11.18.3           | :Precast terrazo tiles 22mm thick with graded marble chips of sizes upto 12mm in skirting and risers of steps not exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :Dark shade using ordinary cement.                             |
| 450.     | PRECASTTERRAZOTILES22MM WHITE              | M2   | 994.31 | 1        | 11.18.4           | :Precast terrazo tiles 22mm thick with graded marble chips   |

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|----------|--|------|--------|----------|------------------|--|
|          | ITHOUTPIGMENT1:3                             |      |        |          |                  | of sizes upto 12mm in skirting and risers of steps not exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete with tiles of :Ordinary cement without any pigment.                     |
| 460.     | CHEQ.TERAZUTILE22MMLIGHTS<br>HADE-MARBLECHIP | M2   | 495.07 | 1        | 11.19.1          | :Chequered terrazo tiles 22mm thick with graded marble chips of size up to 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :Light shade using white cement.                           |
| 470.     | CHEQ.TERAZUTILE22MMMEDSH<br>ADE-MARBLECHIP   | M2   | 495.07 | 1        | 11.19.2          | :Chequered terrazo tiles 22mm thick with graded marble chips of size up to 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :Medium shade using 50% white cement, 50% ordinary cement. |
| 480.     | CHEQ.TERAZUTILE22MMDARKS<br>HADE-MARBLECHIP  | M2   | 495.07 | 1        | 11.19.3          | :Chequered terrazo tiles 22mm thick with graded marble chips of size up to 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :Dark  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | shade using ordinary cement.  |
| 490.     | CHEQ.TERAZUTILE22MMORD.CEMENT-MARBLECHIP | M2   | 495.23 | 1        | 11.19.4          | :Chequered terrazo tiles 22mm thick with graded marble chips of size up to 6mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete on 20mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand)<br>:Ordinary cement without any pigment.  |
| 500.     | CHEQ.PRECAST C.C TILES 22MM LIGHT SHADE  | M2   | 318.67 | 1        | 11.20.1          | :Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand).Light shade using white cement.                      |
| 510.     | CHEQ.PRECASTC.CTILES 22MMMEDIUM SHADE.   | M2   | 318.67 | 1        | 11.20.2          | :Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand).Medium shade using 50% white cement 50% Grey cement. |
| 520.     | CHEQ.PRECAST C.C TILES 22MM DARK SHADE   | M2   | 318.67 | 1        | 11.20.3          | :Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement  |

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| Item No. | Description                                  | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | mortar 1:4 (1 cement : 4 coarse sand).Dark shade using ordinary cement.   |
| 530.     | CHEQ.PRECAST C.C.TILES<br>OC.WITHOUT PIGMENT | M2   | 318.67 | 1        | 11.20.4           | :Chequerred precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand).Ordinary cement without any pigment.   |
| 540.     | ACID&ALKALIRESISTANTTILEIN-<br>10MM MORTAR   | M2   | 482.91 | 1        | 11.21.1.1         | :Fixing 10mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding and joints filled with acid and / or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in-Charge.In flooring on a bed of 10mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).Acid and alkali resistant tile. |
| 550.     | ACID&ALKALIRESISTANTTILEIN-<br>12MM MORTAR   | M2   | 554.53 | 1        | 11.21.2.1         | :Fixing 10mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali resisting mortar bedding and joints filled with acid and / or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in-Charge.In dado/skirting on 12mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).Acid and alkali resistant tile.     |
| 560.     | 8MMMARBLETILEWORK-                           | M2   | 487.68 | 1        | 11.22.1.1         | :Tile work in skirting, risers of steps and dado (up to 2 m   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          | SKIRTDADORISER-HT.2MTR                   |      |        |          |                  | height) over 12mm thick bed of cement mortar 1:3 (1 cement :3 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete.Marble tiles (polished) Raj Nagar. 8mm thick.   |
| 570.     | MARBLSTNEFLRG18MMTHK-MAKRANAWHITE2NDQLTY | M2   | 776.44 | 1        | 11.23.1          | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:Makrana white second quality. |
| 580.     | MARBLSTNEFLRG18MMTHK-RAJNAGARPLAIN       | M2   | 776.44 | 1        | 11.23.2          | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with:Raj Nagar plain.              |
| 590.     | MARBLE STONE FLR18MMTHK AGARIA WHITE.    | M2   | 776.44 | 1        | 11.23.3          | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed   |

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| Item No. | Description                                   | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | with grey cement slurry including rubbing and polishing complete with Agaria White   |
| 600.     | MARBLE STONE FLRG18MMTHK BLACK ZEBRA.         | M2   | 776.44 | 1        | 11.23.4           | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with Black Zebra.          |
| 610.     | MARBLE STONE FLRG18MMTHKU DAIPUR GREEN MARBLE | M2   | 776.44 | 1        | 11.23.5           | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with Udaipur green marble. |
| 620.     | MARBLE STONE FLRG18MMTHK-PINK PLAIN MARBLE.   | M2   | 776.44 | 1        | 11.23.6           | :Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-Charge) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with Pink plain marble.    |



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|----------|---|------|--------|----------|------------------|--|
| 630.     | EXTRA-PREFINISHDNOSING-TREAD-MRBLSTONE    | M    | 437.73 | 1        | 11.24            | :Extra for pre finished nosing to treads of steps of marble stone.   |
| 640.     | EXTRA-MARBLESTONEFLOORING-TREADS&RISER    | M2   | 511.09 | 1        | 11.25            | :Extra for marble stone flooring in treads of steps and risers using single length up to 2.00 metre.   |
| 650.     | 25MMKOTASTONESLABFLRNG OVER20 MMCM1:4BED  | M2   | 772.02 | 1        | 11.26.1          | :Kota stone slab flooring over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement : 4 coarse sand) :25mm thick.            |
| 660.     | 25MMKOTASTONESLABFLRNG OVER12 MMCM1:3BED  | M2   | 972.96 | 1        | 11.27            | :Kota stone slabs 25mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete |
| 670.     | 40MMFINEDRESSEDSTONEFLRN G1:5REDSANDSTONE | M2   | 407.87 | 1        | 11.28.1          | :40mm thick fine dressed stone flooring over 20mm (average) thick base of cement mortar 1:5 ( 1 cement : 5 coarse sand) with joints finished flush.Red sand stone  |
| 680.     | 40MMFINEDRESSEDSTONEFLRN G1:5WHTSANDSTONE | M2   | 407.87 | 1        | 11.28.2          | :40mm thick fine dressed stone flooring over 20mm (average) thick base of cement mortar 1:5 ( 1 cement : 5 coarse sand) with joints finished flush.White sand stone  |
| 690.     | 40MMD/STONEFLRNG1:5POINTG                 | M2   | 548.28 | 1        | 11.29.1          | :40mm thick fine dressed stone flooring over 20mm  |

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|----------|--|------|--------|----------|-------------------|--|
|          | 1:2REDSANDSTONE                              |      |        |          |                   | (average)thick base of cement mortar 1:5 (1 cement : 5 coarse sand) including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.Red sand stone  |
| 700.     | 40MMD/STONEFLRNG1:5POINTG<br>1:2WHTSANDSTONE | M2   | 548.28 | 1        | 11.29.2           | :40mm thick fine dressed stone flooring over 20mm (average)thick base of cement mortar 1:5 (1 cement : 5 coarse sand) including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.White sand stone                                    |
| 710.     | 40MMTHKRUBBEDSTONEFLRNG<br>1:5REDSANDSTONE.  | M2   | 630.72 | 1        | 11.30.1           | :40mm thick rubbed stone flooring over 20mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar:Red sand stone   |
| 720.     | 40MMTHKRUBBEDSTONEFLRNG<br>1:5WHTSANDSTONE.  | M2   | 630.72 | 1        | 11.30.2           | :40mm thick rubbed stone flooring over 20mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand) with joints 3mm thick, side buttered with cement mortar 1:2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar:White sand stone |
| 730.     | 40MMRUBBEDSTONEFLRNGEXT<br>RAPREFINISH-NOSIN | M    | 123.53 | 1        | 11.31             | :Extra for pre finished nosing in treads of steps of Kota stone / sand stone slab.   |

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|----------|---|------|----------|----------|------------------|--|
| 740.     | 40MMTHKRUBBEDSTONEFLRNG EXTRA FOR KOTA STONE    | M    | 25.39    | 1        | 11.32            | :Extra for Kota stone / sand stone in treads of steps and risers using single length up to 1.05 metre.   |
| 750.     | 25MM WOODEN PLANKING.2ND CLASS TEAK WOOD        | M2   | 308.50   | 1        | 11.33.1          | :25mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete with:Second class teak wood  |
| 760.     | 25MM WOODEN PLANKING.2ND CLS DEODAR WOOD        | M2   | 248.20   | 1        | 11.33.2          | :25mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete with:Second class deodar wood  |
| 770.     | 38MM THICK WOOD BLOCK FLOORING                  | M2   | 3,931.57 | 1        | 11.34            | :38mm thick wood block flooring of first class teak wood laid over 25mm thick leveling layer of cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10mm nominal size) to be paid separately coated with a thin layer of hot bitumen (blown type) @ 2.45 kg per sqm. including fixing blocks in position after dipping in hot bitumen (blown type) up to half depth, planed, levelled smooth and finished complete. |
| 780.     | MS ANGLE 50X50X5MM LUG MS FLAT 10X5MM 10CM LONG | KG   | 53.49    | 1        | 11.35            | :Fixing M.S. angle 50x50x5mm to act as nosing with lugs of M.S. flat 10x5mm 10cm long forked at end 60cm apart (minimum three lugs to be provided) including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.  |

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|----------|---|------|--------|----------|-------------------|---|
| 790.     | 1ST QUALITY CERAMIC GLAZED WALL TILES   | M2   | 554.53 | 1        | 11.36             | :Fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. |
| 800.     | CERAMICGLAZED FLOOR TILES-ON 20MMCM1:4  | M2   | 436.68 | 1        | 11.37             | :Laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.   |
| 810.     | CERAMICGLAZEDFLOORTILES-EXCPTIN COLOURS | M2   | 436.68 | 1        | 11.38             | :Providing and laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown laid on 20mm thick bed of cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.  |

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|----------|--|------|--------|----------|-------------------|--|
| 820.     | RECTIFIED GLAZED CERAMIC FLOOR TILES IN COLOUR | M2   | 418.95 | 1        | 11.39             | :Laying rectified Glazed Ceramic floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White, Ivory, Grey, Fume Red Brown, laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand) including grouting the joints with white cement and matching pigments etc., complete.                     |
| 830.     | RTF/GLAZED CERAMIC FLOOR TILES EXCEPT COLOUR   | M2   | 418.95 | 1        | 11.40             | :Laying rectified Glazed Ceramic floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20mm thick Cement Mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete. |
| 840.     | VITRIFIED FLOOR TILES OF TILE 50X50 CM.        | M2   | 393.01 | 1        | 11.41.1           | :Laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 50x50cm     |
| 850.     | VITRIFIED FLOOR TILES OF TILE 60X60 CM.        | M2   | 393.01 | 1        | 11.41.2           | :Laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved  |

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|----------|--|------|---------|----------|-------------------|--|
|          |  |      |         |          |                   | make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 60x60cm   |
| 860.     | VITRIFIED FLOOR TILES OF TILE 80X80 CM.    | M2   | 390.28  | 1        | 11.41.3           | :Laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 80x80cm   |
| 870.     | VITRIFIED FLOOR TILES OF TILE 100X100 CM   | M2   | 390.28  | 1        | 11.41.4           | :Laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 100x100cm |
| 880.     | DEDUCT FOR NOT USING BEDDING. 1:4          | M2   | 473.58- | 1        | 11.42             | :Deduct for not using 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.  |
| 890.     | GLAZED/CERAMIC/VITRIFIED FLR TILE-ADHESIVE | M2   | 459.33  | 1        | 11.43             | :Fixing glazed / Ceramic / Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS : 15477 , using 5kg  |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | adhesive per sqm of tile area, in average 3mm thickness.  |
| 900.     | Crazy ceramic tile flooring            | M2   | 482.75 | 1        | 11.44             | Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement , all complete as per direction of Engineer-in-charge. |
| 910.     | Laying 500x500x40 mm thick Turf paver  | M2   | 229.75 | 1        | 11.45             | Laying 500x500x40 mm thick Turf paver (Turf pave XD) on 150 mm thick sub grade of compacted bed of 20 mm thick nominal size stone aggregate and base course and filling with 150 mm thick jamuna sand, including spreading, well ramming, consolidating and finishing smooth etc. all complete as per direction of Engineer-in-charge.  |
| 920.     | Vitrified tiles in skirting ;500x500mm | M2   | 457.53 | 1        | 11.46.1           | Laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | 500x500 mm   |
| 930.     | Vitrified tiles in skirting ;600x600mm   | M2   | 457.53 | 1        | 11.46.2           | Laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm |
| 940.     | Vitrified tiles in skirting ;800x800mm   | M2   | 457.53 | 1        | 11.46.3           | Laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 800x800 mm |
| 950.     | Vitrified tiles in skirting ;1000x1000mm | M2   | 457.53 | 1        | 11.46.4           | Laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. Size of Tile            |



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| Item No. | Description                          | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--------------------------------------|------|--------|----------|------------------|--|
|          |                                      |      |        |          |                  | 1000x1000 mm   |
| 960.     | Vitr/tiles skirting+adhesive:500x500 | M2   | 585.98 | 1        | 11.47.1          | Laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 500x500 mm |
| 970.     | Vitr/tiles skirting+adhesive:600x600 | M2   | 585.98 | 1        | 11.47.2          | Laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm |
| 980.     | Vitr/tiles skirting+adhesive:800x800 | M2   | 585.98 | 1        | 11.47.3          | Laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer   |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 800x800 mm  |
| 990.     | Vitr/tiles skirting+adhesive:1000x1000 | M2   | 585.98 | 1        | 11.47.4          | Laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 1000x1000 mm |
| 1000.    | floor tiles joint+ epoxy:500x500       | M2   | 154.08 | 1        | 11.48.1          | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 500x500 mm   |
| 1010.    | floor tiles joint+ epoxy:600x600       | M2   | 125.89 | 1        | 11.48.2          | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of   |

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| Item No. | Description                         | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|-------------------------------------|------|--------|----------|------------------|---|
|          |                                     |      |        |          |                  | Tile 600x600 mm   |
| 1020.    | floor tiles joint+ epoxy:800x800    | M2   | 97.72  | 1        | 11.48.3          | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 800x800 mm  |
| 1030.    | floor tiles joint+ epoxy:1000x1000  | M2   | 69.54  | 1        | 11.48.4          | Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 1000x1000 mm  |
| 1040.    | Vitrif/floor tiles+adhesive:500x500 | M2   | 486.27 | 1        | 11.49.1          | Laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 500x500 mm |
| 1050.    | Vitrif/floor tiles+adhesive:600x600 | M2   | 486.27 | 1        | 11.49.2          | Laying Vitrified tiles in floor with different sizes (thickness   |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|--------|----------|------------------|---|
|          |                                       |      |        |          |                  | to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm   |
| 1060.    | Vitrif/floor tiles+adhesive:800x800   | M2   | 486.27 | 1        | 11.49.3          | Laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 800x800 mm |
| 1070.    | Vitrif/floor tiles+adhesive:1000x1000 | M2   | 486.27 | 1        | 11.49.4          | Laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made                                      |

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| Item No.            | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|---------------------|--|------|--------|----------|------------------|--|
|                     |  |      |        |          |                  | separately). Size of Tile 1000x1000 mm   |
| 1080.               | Deduct for not grout joints Vitr/Tiles | M2   | 10.86- | 1        | 11.50            | Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.   |
| <b>12 : ROOFING</b> |  |      |        |          |                  |  |
| 10.                 | CGI SHEET-1 MM THICK, ZINC COATED      | M2   | 140.61 | 1        | 12.1.1           | :Erecting corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.-1.00mm thick with zinc coating not less than 275gm/m2 |
| 20.                 | CGI SHEET-0.8 MM THICK, ZINC COATED    | M2   | 140.61 | 1        | 12.1.2           | :Erecting corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever   |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | required-0.80mm thick with zinc coating not less than 275gm/m2   |
| 30.      | CGI SHEET-0.63 MM THICK, ZINC COATED     | M2   | 140.61 | 1        | 12.1.3           | :Erecting corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required-0.63 mm thick with zinc coating not less than 275gm/m2 |
| 40.      | EXTRA: STRAIGHT CUT IN CGI SHEET 1.00THK | M    | 70.45  | 1        | 12.2.1           | :Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :1.00 mm thick  |
| 50.      | EXTRA: STRAIGHT CUT IN CGI SHEET 0.80THK | M    | 56.36  | 1        | 12.2.2           | :Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :0.80 mm thick  |
| 60.      | EXTRA: STRAIGHT CUT IN CGI SHEET 0.63THK | M    | 56.36  | 1        | 12.2.3           | :Extra for straight cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :0.63 mm thick  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 70.      | EXTRA: CIRCULAR CUT IN CGI SHEET 1.00THK | M    | 397.34 | 1        | 12.3.1            | :Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :1.00 mm thick  |
| 80.      | EXTRA: CIRCULAR CUT IN CGI SHEET 0.10THK | M    | 317.36 | 1        | 12.3.2            | :Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :0.80 mm thick  |
| 90.      | EXTRA: CIRCULAR CUT IN CGI SHEET 0.63THK | M    | 317.36 | 1        | 12.3.3            | :Extra for circular cutting in C.G.S. sheet roofing for making opening of area exceeding 40 sq. decimeter for chimney stacks, sky light etc. :0.630 mm thick   |
| 100.     | ERECTING GS SHEET RIDGE OR HIP 0.80THK   | M    | 319.84 | 1        | 12.4.1            | :Erecting ridges or hips of width 60 cm over all width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. 0.80mm thick with zinc coating not less than 275gm/m <sup>2</sup>  |
| 110.     | ERECTING GS SHEET RIDGE OR HIP 0.63THK   | M    | 319.84 | 1        | 12.4.2            | :Erecting ridges or hips of width 60 cm over all width plain G.S. sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete. 0.63 mm thick with zinc coating not less than 275gm/m <sup>3</sup> |
| 120.     | ERECTING GS SHEET VALLEY-1.6THK          | M    | 354.74 | 1        | 12.5.1            | :Erecting valleys of 90cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8mm dia.. G.I. limpet and bitumen washers complete  |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | :1.60mm thick with zinc coating not less than 350gm/m2   |
| 130.     | ERECTING GS SHEET FLASHING-1.00THK      | M    | 338.17 | 1        | 12.6.1           | :Erecting flashing of 40 cm over all width in plain, G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts, G.I. limpet and bitumen washer complete,bent to shape and fixed in wall with cement mortar 1:3 (1 cement: 3 coarse sand).-1.00mm thick with zinc coating not less than 275gm/m2 |
| 140.     | ERECTING CURVED GS SHEET GUTTER 0.80THK | M    | 341.69 | 1        | 12.7.1           | :Erecting and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3mm size bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.0.80mm thick with zinc coating not less than 275gm/m2                             |
| 150.     | ERECTING CURVED GS SHEET GUTTER 0.63THK | M    | 341.69 | 1        | 12.7.2           | :Erecting and fixing 15 cm wide 45 cm over all semi circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc. including making necessary connections with rain water pipes complete.0.63mm thick with zinc coating not less than 275gm/m2                            |
| 160.     | P/PROPYLENE RC 6MM CORRUGATED SHEET     | M2   | 64.36  | 1        | 12.8             | :Erecting non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (As per IS: 14871) roofing upto any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain   |



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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses corrugated sheets and including cutting to size and shape wherever required                  |
| 170.     | EXTRA:STRAIGHT CUT IN P/PROPYLENE SHEET      | M    | 56.36  | 1        | 12.9              | : Extra for straight cutting in non- asbestos polypropylene reinforced cement corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.   |
| 180.     | EXTRA:STRAIGHT CUT IN P/PROPYLENE SHEET      | M    | 155.68 | 1        | 12.10             | :Extra for Circular cutting in non- asbestos polypropylene reinforced cement corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter.                                      |
| 190.     | EXTRA: FIXING WIND TIES OF FLAT SECTION      | M    | 25.30  | 1        | 12.11             | :Extra for fixing wind ties of 40x 6mm flat iron section  |
| 200.     | RIDGINGONFIBRECEMNTSHEET-CORRUGATED SERRATED | M    | 74.51  | 1        | 12.12.1           | :Fixing ridges and hips in non-asbestos fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.-Corrugated serrated adjustable ridges |
| 210.     | RIDGINGONFIBRECEMNTSHEET-PLAIN WING          | M    | 74.51  | 1        | 12.12.2           | :Fixing ridges and hips in non-asbestos fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.- Plain wing adjustable ridges         |

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|----------|--|------|-------|----------|-------------------|---|
| 220.     | RIDGINGONFIBRECEMNTSHEET-CLOSE FITTING   | M    | 74.90 | 1        | 12.12.3           | :Fixing ridges and hips in non-asbestos fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.- Close fitting adjustable ridges  |
| 230.     | RIDGINGONFIBRECEMNTSHEET-UNSERRTD SERRAT | M    | 73.61 | 1        | 12.12.4           | :Fixing ridges and hips in non-asbestos fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete- Unserrated adjustable hips  |
| 240.     | NONASBSTOSROFINGACCESORY-CORRUGATDAPRON  | M    | 36.95 | 1        | 12.13.1           | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete:Corrugated apron pieces |
| 250.     | NONASBSTOSROFINGACCESORIES-EAVE'S FILLER | M    | 36.95 | 1        | 12.13.2           | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: Eave's filler pieces   |
| 260.     | NONASBSTOSROFINGACCESORY-NORTHLIGHTCURVE | M    | 45.32 | 1        | 12.13.3           | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or   |

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|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: North light curves  |
| 270.     | NONASBSTOSROFINGACCESORY-VENTILATORCURVE | M    | 45.32 | 1        | 12.13.4          | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: ventilator curves |
| 280.     | NONASBSTOSROFINGACCESORIES-BARGE BOARDS  | M    | 36.15 | 1        | 12.13.5          | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: Barge boards      |
| 290.     | NONASBSTOSROFINGACCESORIES-RIDGE FINIALS | PAA  | 28.44 | 1        | 12.13.6          | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: Ridge finials     |
| 300.     | ROFING ACCESSORIES-SPL.NORTH LIGHT       | EA   | 45.77 | 1        | 12.13.7          | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours  |

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|----------|--|------|--------|----------|------------------|---|
|          | CURVE  |      |        |          |                  | with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: Special north light curves   |
| 310.     | NONASBSTOSROFINGACCESORI<br>ES-S TYPELOUVER  | M    | 180.63 | 1        | 12.13.8          | :Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete: S type louvers   |
| 320.     | FLATIRONBRACKETFORFIXINGC<br>G/ASBESTOSSHEET | M    | 26.91  | 1        | 12.14            | :Fixing flat iron brackets 50x3mm size with necessary bolts, nuts and washers etc. for fixing asbestos cement/G.S. sheets gutters with purlins.   |
| 330.     | PAINTING ROOF TOP-BITUMEN<br>80/100          | M2   | 36.07  | 1        | 12.15.1          | :Painting top of roofs with bitumen of approved quality at 17kg per 10 sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete : With residual type petroleum bitumen of penetration 80/100 |
| 340.     | MUD PHUSKA ON ROOF WITH<br>FPS100 BRICKTILE  | M2   | 409.18 | 1        | 12.16.1          | :10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar mixed with bhusa at 35 kg per   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow dung) and covered with flat tile bricks of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat: With F.P.S. brick tiles  |
| 350.     | MUD PHUSKA ON ROOF WITH FPS125 BRICKTILE | M2   | 409.18 | 1        | 12.17.1          | :10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar with bhusha at 35kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks of class designation 125 conforming to IS : 2690 (Part I) -1992 grouted with cement mortar 1:3 ( 1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat. With machine moulded F.P.S. brick tiles |
| 360.     | EXTRA FOR ADDL 1CM THK MUD PUSKA ON ROOF | M2   | 13.93  | 1        | 12.18            | :Extra for every additional 1cm thickness of mud phaska  |
| 370.     | 20 MM THK BRICK TILES ON MUMPTY ROOF     | M2   | 148.21 | 1        | 12.19.1          | :Laying brick tiles of class designation 100 over mumty roofs grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With F.P.S. brick tiles  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 380.     | 20MM THK PRESSED CLAY TILES ON ROOF      | M2   | 220.53 | 1        | 12.20            | :Laying pressed clay tiles (as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.                                     |
| 390.     | GOLA75X75MM INCC1:2:4 IN75X75MMDEEPCHASE | M    | 149.91 | 1        | 12.21.1          | :Providing gola 75x75mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75mm deep chase  |
| 400.     | KHURRAS 45X45CM, 5CM THK.CEM CONC. 1:2:4 | EA   | 99.99  | 1        | 12.22            | :Making khurras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete. |
| 410.     | SANDSTONESLAB-ROOFING-REDSTONE40-50MMTHK | M2   | 353.85 | 1        | 12.23.1.1        | :Laying sand stone slab for roofing and laying them in cement mortar 1:4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens (Karriesand battens to be paid separately) including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete:Red sand stone slab:40 to 50mm thick                                      |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 420.     | SANDSTONESLAB-ROFNG-WHITESTONE40-50MMTHK | M2   | 353.85 | 1        | 12.23.2.1         | :Laying sand stone slab for roofing and laying them in cement mortar 1:4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens (Karriesand battens to be paid separately) including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete:White sand stone slab: 40 to 50mm thick |
| 430.     | INSULATINGBOARDCEILING-NATURALCOLOUR     | M2   | 351.06 | 1        | 12.24.1.1         | :Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):Natural colour insulating board- - 12 mm thick  |
| 440.     | INSULATINGBOARDCEILING-WHITE FACE        | M2   | 351.06 | 1        | 12.24.2.1         | :Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):White face insulating board- 12 mm thick  |
| 450.     | INSULATINGBOARDCEILING-FLAMERETARDNTFACE | M2   | 351.06 | 1        | 12.24.3.1         | :Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):flame retardant face insulating board- 12 mm thick  |
| 460.     | 12 MM THICK PARTICLE BOARD IN CEILING    | M2   | 350.38 | 1        | 12.25.1           | :fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked in ceiling with necessary nails etc. complete (frame work to be paid separately):12 mm thick  |
| 470.     | PLAINMULTIPURPOSECEMENTB                 | M2   | 350.38 | 1        | 12.26.1           | :fixing plain multipurpose cement board (high pressure  |

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|----------|---|------|--------|----------|-------------------|---|
|          | ORDINARY CEILING                                  |      |        |          |                   | steam cured ) as per IS 14862: 2000 with suitable fibre cement screw in ceiling etc complete, (frame work to be paid separately ).- 6 mm thick cement board |
| 480.     | CIRC.CUTTING&WASTE IN CEILING OF TEAK WOOD PLANK  | M    | 252.96 | 1        | 12.27.1           | :Extra for Circular cutting and waste in ceiling with: 2nd class teak wood planks 20 mm thick   |
| 490.     | CIRC.CUTTING&WASTE IN CEILING - NATURAL CLAY      | M    | 269.74 | 1        | 12.27.2.1         | :Extra for Circular cutting and waste in ceiling with: Natural colour insulating board-12 mm  |
| 500.     | CIRC.CUTTING&WASTE IN CEILING OF WHITE FACE IB    | M    | 269.74 | 1        | 12.27.3.1         | :Extra for Circular cutting and waste in ceiling with: white face insulating board-12 mm  |
| 510.     | CIRC.CUT&WASTE IN CEILING OFF FLAME RETARDANT IB  | M    | 269.74 | 1        | 12.27.4.1         | :Extra for Circular cutting and waste in ceiling with: Flame retardant face insulating board-12 mm  |
| 520.     | CIRC.CUTTING & WASTE IN 3MM HARD BOARD CEILING    | M    | 269.64 | 1        | 12.27.5.1         | :Extra for Circular cutting and waste in ceiling with: Standard quality hard board sheet -3 mm thick  |
| 530.     | CIRC.CUTTING&WASTE IN 4.5MM HARD BOARD CEILING    | M    | 269.66 | 1        | 12.27.5.2         | :Extra for Circular cutting and waste in ceiling with: Standard quality hard board sheet -4.5 mm thick  |
| 540.     | EXTRA FOR FIXING CEILING TO CURVED SURFACE        | M2   | 267.84 | 1        | 12.28             | :Extra for fixing ceiling to curved surfaces in narrow widths   |
| 550.     | FALSE CEILING WITH CEILING TILES ON ALUMINUM GRID | M2   |        | 1        | 12.29             | :Fixing false ceiling with 12 mm thick plain/ semi perforated or with design ceiling tiles of BWP type phenol   |



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|----------|---|------|--------|----------|-------------------|---|
|          | D   |      |        |          |                   | formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087 finished with a coat of aluminium primer on both sides & edges and two coats of synthetic enamel paint of approved quality on exposed face fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) T-sections 35 x15x1.5 mm size main runners and cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats. The suspenders shall be placed 600x 1200 mm centre to centre including fixing to the frame with C.P brace screws and applying a priming coat of zinc chromate yellow primer ( aluminium frame work shall be paid separately.) |
| 560.     | TRNSLUCNTWHITPLASTICSHEET<br>IN FALSE CEILING | M2   |        | 1        | 12.30             | :Extra for providing 3mm thick translucent white acrylic plastic sheets of approved quality in false ceiling instead of 12mm thick plain / or with design particle board ceiling tiles in item above.   |
| 570.     | POP IN CEILING 10MM THK: FLAT SURFACE         | M2   | 754.49 | 1        | 12.31.1           | :Applying 10mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level over first class kail wood strips 25x6mm with 10mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately) : Flat surfaces  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 580.     | POP IN CEILING 10MM: CURVE SURFACE      | M2   | 965.83 | 1        | 12.31.2           | :Applying 10mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level over first class kail wood strips 25x6mm with 10mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately) : Curved surfaces  |
| 590.     | EXTRA FOR POP IN CEILING: SUNK/RAISE    | M2   | 302.45 | 1        | 12.32             | :Extra for any sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling  |
| 600.     | EXTRA FOR POP IN CEILING: OVER 5M HT    | M2   | 161.56 | 1        | 12.33             | :Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5 metres height from floor level.(Rate sqm per meter height)   |
| 610.     | INSULATION BY GLASSWOOL-TOPMOSTCEILING  | M2   | 319.40 | 1        | 12.34             | :Fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183 density 24kg/m <sup>3</sup> , 50mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3mm) @ 60 cm and wire mesh of 12.5mm x 24g wire and mesh, for top most ceiling of building |
| 620.     | INSULATION BY GLASSWOOL-EXISTINGCEILING | M2   | 84.16  | 1        | 12.35             | :Fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS : 8183. Density 16kg/m <sup>3</sup> 50mm thick, wrapped in 200G Virgin mmPolythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.   |

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|----------|--|------|--------|----------|-------------------|---|
| 630.     | INSULATION BY EXPANDED POLYSTYRENE-TYPEN | M2   | 73.87  | 1        | 12.36.1           | :Fixing Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge .- With Type N - Normal 50 mm thick   |
| 640.     | INSULATION BYEXPANDED POLYSTYRENE-TYPESE | M2   | 73.87  | 1        | 12.36.2           | :Fixing Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge .- With Type SE - Self Extinguishing type 50 mm thick   |
| 650.     | RAIN WATER SPOUT-STONE WARE TYPE 100MM   | EA   | 59.32  | 1        | 12.37             | :fixing 100 mm diameter and 60 cm long rain water spout in cement mortar 1:4 (1 cement: 4 fine sand)  |
| 660.     | MS HOLDER BAT CLAMP TO PIPE-100 MM DIA   | EA   | 188.24 | 1        | 12.38.1           | :Fixing M.S. holder bat clamps of approved design to C.I. or S.C.I, rain water pipes embedded in and including cement concrete blocks 10x10x 10cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :100 mm dia |
| 670.     | MS HOLDER BAT CLAMP TO PIPE-150 MM DIA   | EA   | 188.24 | 1        | 12.38.2           | :Fixing M.S. holder bat clamps of approved design to C.I. or S.C.I, rain water pipes embedded in and including cement concrete blocks 10x10x 10cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. :150 mm dia |

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|----------|--|------|--------|----------|-------------------|--|
| 680.     | LEAD CAULKED JOINTS FOR CI PIPE 100MM  | EA   | 200.12 | 1        | 12.39.1           | :Applying lead caulked joints to sand cast iron rain water pipes and fittings -100 mm dia pipe   |
| 690.     | LEAD CAULKED JOINTS FOR CI PIPE 150MM  | EA   | 251.26 | 1        | 12.39.2           | :Applying lead caulked joints to sand cast iron rain water pipes and fittings-150 mm dia pipe  |
| 700.     | SAND CI RAIN WATER PIPE-150MM DIA      | EA   | 46.28  | 1        | 12.40.1.1         | :Fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with# 12mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):Sand cast iron plain shoes :150 mm diameter |
| 710.     | UPVC RAIN WATER PIPES-75 MM DIA        | M    | 88.38  | 1        | 12.41.1           | :Fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion, (i) Single socketed pipes-75 mm dia                        |
| 720.     | UPVC RAIN WATER PIPES-110 MM DIA       | M    | 107.44 | 1        | 12.41.2           | :Fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion, (i) Single socketed pipes-110 mm dia                       |
| 730.     | UPVC RAIN WATER PIPE: COUPLER 75MM DIA | EA   | 31.88  | 1        | 12.42.1.1         | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes  |

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|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-coupler 75 mm  |
| 740.     | UPVC RAIN WATER PIPE:<br>COUPLER 110MM DIA    | EA   | 35.65 | 1        | 12.42.1.2        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-coupler 110 mm-                    |
| 750.     | UPVCRAIN WATER<br>PIPE:PUSHFITCOUPLER 75MM    | EA   | 31.88 | 1        | 12.42.2.1        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single push fit Coupler-75 mm       |
| 760.     | UPVCRAIN<br>WATERPIPE:PUSHFITCOUPLER<br>110MM | EA   | 35.65 | 1        | 12.42.2.2        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single push fit Coupler-110 mm      |
| 770.     | UPVCRAIN WATER PIPE: TEE<br>WITH DOOR 75MM    | EA   | 28.37 | 1        | 12.42.3.1        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single tee with door-75 mm X 75 mmX |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
|          |  |      |       |          |                   | 75 mm  |
| 780.     | UPVC AIN WATER PIPE:TEE WITH DOOR 110MM  | EA   | 35.52 | 1        | 12.42.3.2         | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single tee with door-110x110x110 mm          |
| 790.     | UPVC RAIN WATER PIPE: PLAIN TEE 75MM DIA | EA   | 28.37 | 1        | 12.42.4.1         | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single tee without door-75 mm X 75 mmX 75 mm |
| 800.     | UPVC RAIN WATER PIPE: PLAIN TEE 110MM    | EA   | 35.52 | 1        | 12.42.4.2         | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.Single tee without door-110x110x110 mm       |
| 810.     | UPVC RAIN WATER PIPE ON WALL: BEND 75MM  | EA   | 31.88 | 1        | 12.42.5.1         | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-Bend 87.5°-75 mm Bend                       |

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|----------|--|------|--------|----------|------------------|---|
| 820.     | UPVC RAINWATER PIPE ON WALL: BEND 110MM  | EA   | 35.65  | 1        | 12.42.5.2        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-Bend 87.5°-110 mm Bend   |
| 830.     | UPVC RAIN WATER PIPE ON WALL: SHOE 75MM  | EA   | 31.88  | 1        | 12.42.6.1        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-Shoe (Plain)-75 mm Shoe  |
| 840.     | UPVC RAIN WATER PIPE ON WALL: SHOE 100MM | EA   | 35.65  | 1        | 12.42.6.2        | :Fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.-Shoe (Plain)-110 mm Shoe   |
| 850.     | UPVC RAIN WATER PIPE CLIPS: 75 MM        | EA   | 189.36 | 1        | 12.43.1          | :Fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs,screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4(1 cement: 4 coarse sand) and making good the wall etc. complete.-75 mm |
| 860.     | UPVC RAIN WATER PIPE CLIPS:              | EA   | 189.36 | 1        | 12.43.2          | :Fixing unplasticised -PVC pipe clips of approved design  |

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|----------|---|------|--------|----------|------------------|---|
|          | 110 MM                                  |      |        |          |                  | to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs,screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4(1 cement: 4 coarse sand) and making good the wall etc. complete.-110 mm   |
| 870.     | INLET MOUTH OFRAIN WATER PIPE:CAST IRON | EA   | 10.96  | 1        | 12.44            | :Inlet mouth of rain water pipe cast iron diameter and weighing not less than 440 grams.  |
| 880.     | FALSE CEILING ON SPECIAL SEC. GS FRAME  | M2   | 481.17 | 1        | 12.45.1          | :Fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm diax230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.5mm |



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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting with :12.5 mm thick tapered edge gypsum board conforming to IS: 2095- Part I, |
| 890.     | INLET OF RAIN WATER PIPE PTMT GRATING     | EA   | 10.96  | 1        | 12.46             | :Fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms  |
| 900.     | UVS FIBERGLASS ROOFING 2MM THK:CORRUGATED | M2   | 115.08 | 1        | 12.47.1           | :Fixing UV stabilised fiberglass reinforced plastic sheet roofing upto any pitch including fixing with polymer coated #J# or #L# hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel   |

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|----------|---------------------------------------|------|--------|----------|-------------------|---|
|          |                                       |      |        |          |                   | roovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.  |
| 910.     | UVS FIBERGLASS ROOFING 2MM THK: PLAIN | M2   | 115.08 | 1        | 12.47.2           | :Fixing UV stabilised fiberglass reinforced plastic sheet roofing upto any pitch including fixing with polymer coated #J# or #L# hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel roovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick flat |
| 920.     | PRESSED CLAY TILE ROOFING 20MM THK    | M2   | 119.45 | 1        | 12.48             | :Laying pressed clay tile of approved manufacture of 20mm nominal thickness and of approved size & approved pattern on steel frame work complete (steel frame work to be paid separately)   |

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|----------|--|------|-------|----------|------------------|---|
| 930.     | PRESSED CLAY TILE RIDGING 20MM THK       | M2   | 28.58 | 1        | 12.49            | :Laying pressed clay tile ridge of approved manufacture of 20mm thickness and of approved pattern on steel frame work complete (steel frame work to be paid separately)   |
| 940.     | PRECOATD GALVD.GS PROFILE SHEET 0.50 TCT | M2   | 65.62 | 1        | 12.50            | :Installation of precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) 0.50mm +/- 5% total coated thickness (TCT) Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat' 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-Charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal / vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. |
| 950.     | PRECOATED GALVD.GS 0.50 TCT: RIDGES      | M    | 74.51 | 1        | 12.51.1          | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet  |

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|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Ridges plain (500 - 600mm).   |
| 960.     | PRECOATED GALVD. GS 0.50TCT: FLASHING    | M    | 36.95 | 1        | 12.51.2          | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Flashing/ Aprons (Up to 600 mm). |
| 970.     | PRECOATED GALVD.GS 0.50 TCT: NORTH LIGHT | M    | 45.32 | 1        | 12.51.3          | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : North light curves               |
| 980.     | PRECOATED GALVD.GS 0.50 TCT: BARGE BOARD | M    | 42.61 | 1        | 12.51.4          | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT),  |

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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Barge board (Upto 300 mm).  |
| 990.     | PRECOATED GALVD.GS 0.50<br>TCT: CRIMP CURVE | M2   | 42.76  | 1        | 12.51.5           | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Crimp curve.                    |
| 1000.    | PRECOATED GALVD.GS 0.50<br>TCT: GUTTER      | M    | 309.16 | 1        | 12.51.6           | :Fixing precoated galvanised steel sheet roofing accessories 0.50 mm + 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : Gutter .(600 mm over all girth) |

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|----------|---------------------------------------|------|--------|----------|-------------------|---|
| 1010.    | False ceiling+GI frame: Tegular Plain | M2   | 372.53 | 1        | 12.52.1           | Fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 |

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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending  |
| 1020.    | Flase ceiling+GI frame:Tegular Perforatd | M2   | 372.53 | 1        | 12.52.2           | Fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8mm |

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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece. |
| 1030.    | Flase ceiling+GI frame:PVC Lam.Gyp.Board | M2   | 372.53 | 1        | 12.52.3           | Fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm                     |



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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit. |
| 1040.    | Flase ceiling+GI frame: Perfor Gyp board | M2   | 372.53 | 1        | 12.52.4           | Fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive)  |

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| Item No. | Description | Unit | Rate | Per Unit | Schedule Line No. | Detail Description  |
|----------|-------------|------|------|----------|-------------------|---|
|          |             |      |      |          |                   | consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I , of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an |

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|----------|------------------------------------|------|--------|----------|-------------------|--|
|          |                                    |      |        |          |                   | NRC ( Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.  |
| 1050.    | False ceiling,Tegular Cal.Silicate | M2   | 392.82 | 1        | 12.53             | Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture spintone/cosmos / Hexa or equivalent of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture (Spintone / Cosmos/hexa) in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. |

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|----------|-------------------------------|------|--------|----------|-------------------|--|
|          |                               |      |        |          |                   | Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T' , bottom exposed with 24 mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non - combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity <0.043 w/m 0 KC. |
| 1060.    | GI clips for F/ceiling: plain | M2   | 372.55 | 1        | 12.54.1           | Fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm   |

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|----------|------------------------------------|------|--------|----------|------------------|--|
|          |                                    |      |        |          |                  | thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring 'T' with : GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.  |
| 1070.    | GI clips for F/ceiling: Perforated | M2   | 372.55 | 1        | 12.54.2          | Fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors |

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|----------|-------------------------------------|------|--------|----------|-------------------|--|
|          |                                     |      |        |          |                   | have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring 'T' with : GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation. |
| 1080.    | Heat Resis. Terrace tiles           | M2   | 486.52 | 1        | 12.55             | Fixing Heat Resistant Terrace Tiles (300 mm x 300mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1:4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1:1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.        |
| 1090.    | 40mm sprayed PUF insulation on roof | M2   | 679.59 | 1        | 12.56             | Laying roof insulation with 40 mm thick impervious sprayed, closed cell free Rigid Polyurethane foam over deck insulation conforming to IS - 12432 Pt. III (density of foam being 40-45 kg/cum), over a coat of polyurethane primer applied @ 6-8 sqm per litre, laying 400 G polythene  |

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|                       |   |      |        |          |                   | sheet over PUF spray and providing a wearing course of 40 mm thick cement screed 1: 2 : 4 (1 cement :2 coarse sand : 4 stone aggregate 20 mm nominal size) in chequered rough finish, in panels of 2.5 m x 2.5 m and embedding with 24 G wire netting and sealing the joints with polymerized mastic, all complete as per direction of Engineer-in-Charge. |
| 1100.                 | Resin Bonded Fibre glasswool insulation | M2   | 89.43  | 1        | 12.57             | Fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m <sup>3</sup> , 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.                          |
| <b>13 : FINISHING</b> |   |      |        |          |                   |  |
| 10.                   | 12MM CEMENT PLASTER(1:4)- FINE SAND     | M2   | 169.22 | 1        | 13.1.1            | :12mm cement plaster of mix:1:4 (1 cement : 4 fine sand)   |
| 20.                   | 12MM CEMENT PLASTER(1:6)- FINE SAND     | M2   | 169.22 | 1        | 13.1.2            | :12mm cement plaster of mix:1:6 (1 cement : 6 fine sand)   |
| 30.                   | 15MM CEMENT PLASTER(1:4)-FINE SAND      | M2   | 193.08 | 1        | 13.2.1            | :15mm cement plaster on the rough side of single or half brick wall of mix:1:4 (1 cement : 4 fine sand)  |
| 40.                   | 15MM CEMENT PLASTER(1:6)-FINE SAND      | M2   | 193.08 | 1        | 13.2.2            | :15mm cement plaster on the rough side of single or half brick wall of mix:1:6 (1 cement : 6 fine sand)  |
|                       |   |      |        |          |                   |  |

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|----------|--|------|--------|----------|-------------------|---|
| 50.      | 20MM CEMENT PLASTER(1:4)-FINE SAND       | M2   | 222.44 | 1        | 13.3.1            | :20mm cement plaster of mix:1:4 (1 cement : 4 fine sand)  |
| 60.      | 20MM CEMENT PLASTER(1:6)-FINE SAND       | M2   | 222.44 | 1        | 13.3.2            | :20mm cement plaster of mix:1:6 (1 cement : 6 fine sand)  |
| 70.      | 12MM CEMENT PLASTER(1:4)-COARSE SAND     | M2   | 169.22 | 1        | 13.4.1            | :12mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)  |
| 80.      | 12MM CEMENT PLASTER(1:6)-COARSE SAND     | M2   | 169.22 | 1        | 13.4.2            | :12mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)  |
| 90.      | 15MM CEMENT PLASTER(1:4)-COARSE SAND     | M2   | 193.08 | 1        | 13.5.1            | :15mm cement plaster on rough side of single or half brick wall of mix:1:4 (1 cement : 4 coarse sand) |
| 100.     | 15MM CEMENT PLASTER(1:6)-COARSE SAND     | M2   | 193.08 | 1        | 13.5.2            | :15mm cement plaster on rough side of single or half brick wall of mix:1:6 (1 cement : 6 coarse sand) |
| 110.     | 20MM CEMENT PLASTER(1:4)-COARSE SAND     | M2   | 222.44 | 1        | 13.6.1            | :20mm cement plaster of mix:1:4 (1 cement : 4 coarse sand)  |
| 120.     | 20MM CEMENT PLASTER(1:6)-COARSE SAND     | M2   | 222.44 | 1        | 13.6.2            | :20mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)  |
| 130.     | 12MMCEMENTPLASTER&NEATFINISH 1:3FINESAND | M2   | 207.51 | 1        | 13.7.1            | :12mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand) |
| 140.     | 12MMCEMENTPLASTER&NEATFINISH 1:3FINESAND | M2   | 207.51 | 1        | 13.7.2            | :12mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand) |



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|----------|---|------|--------|----------|------------------|---|
|          | NISH 1:4FINESAND                                |      |        |          |                  | cement of mix:1:4 (1 cement : 4 fine sand)  |
| 150.     | 15MMCEMENTPLASTER&NEATFI<br>NISH1:3-FINESAND    | M2   | 231.37 | 1        | 13.8.1           | :15mm cement plaster on rough side of single or halfbrick wall finished with a floating coat of neat cement of mix :1:3 (1 cement : 3 fine sand)  |
| 160.     | 15MMCEMENTPLASTER&NEATFI<br>NISH1:4-FINESAND    | M2   | 231.37 | 1        | 13.8.2           | :15mm cement plaster on rough side of single or halfbrick wall finished with a floating coat of neat cement of mix :1:4 (1 cement : 4 fine sand)  |
| 170.     | 12MMCEMENTPLASTER&NEATFI<br>NISH1:3-CORSSND     | M2   | 207.51 | 1        | 13.9.1           | :cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.12mm cement plaster   |
| 180.     | 20MMCEMENT<br>PLASTER&NEATFINISH1:3-<br>CORSSND | M2   | 260.73 | 1        | 13.9.2           | :cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.20mm cement plaster   |
| 190.     | 15MMCEMENT<br>PLASTER&NEATFINISH1:3-<br>CORSSND | M2   | 231.37 | 1        | 13.10            | :15mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.  |
| 200.     | 18MMCEMENT PLASTER 12MM<br>(1:5)&6MM (1:6)      | M2   | 254.71 | 1        | 13.11            | :18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement : 6 fine sand). |
| 210.     | 18MMCEMENT PLASTER 12MM                         | M2   | 254.71 | 1        | 13.12            | :18mm cement plaster in two coats under layer 12mm  |

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|----------|---|------|--------|----------|------------------|--|
|          | (1:5)&6MM (1:3)                           |      |        |          |                  | thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.  |
| 220.     | 12 MM CEMENT PLASTER (1 : 2)-STONE DUST   | M2   | 169.22 | 1        | 13.13            | :12mm cement plaster 1:2 (1 cement : 2 stone dust)   |
| 230.     | 15 MM CEMENT PLASTER (1 : 2)-STONE DUST   | M2   | 193.08 | 1        | 13.14            | :15mm cement plaster 1:2 (1 cement : 2 stone dust) on the rough side of single or half brick wall.   |
| 240.     | 20 MM CEMENT PLASTER (1 : 2)-STONE DUST   | M2   | 222.44 | 1        | 13.15            | :20mm cement plaster 1:2 (1 cement : 2 stone dust)   |
| 250.     | 6 MM CEMENT PLASTER (1 : 3)-FINE SAND     | M2   | 156.18 | 1        | 13.16.1          | :6mm cement plaster of mix:1:3 (1 cement : 3 fine sand)  |
| 260.     | 6MMCEMENTPLASTR&LIMEFINIS H(1:3)-FINESAND | M2   | 204.75 | 1        | 13.17            | :6mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.  |
| 270.     | NEAT CEMENT PUNNING                       | M2   | 38.29  | 1        | 13.18            | :Neat cement punning   |
| 280.     | ROUGHCASTPLASTER UPTO 10M HT.12MM+10MM    | M2   | 436.03 | 1        | 13.19.1          | :Rough cast plaster upto 10m height above ground level with a mixture of sand and gravel or crushed stone from 6mm to 10mm nominal size dashed over and including the fresh plaster in two layers, under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster 1:3 (1 cement : 3 fine sand) mixed |

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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | with 10% finely grounded hydrated lime by volume of cement. Ordinary cement finish using ordinary cement   |
| 290.     | PEBBLE DASH PLASTER <= 10M HT 12MM+10MM    | M2   | 401.97 | 1        | 13.20             | :Pebble dash plaster upto 10m height above ground level with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over and including fresh plaster in two layers under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement. |
| 300.     | EXTRA FOR WATER PROOFING IN C. PLASTER     | BAG  | 12.74  | 1        | 13.21             | :Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.(Rate: per bag of 50 kg cement used in the mix)  |
| 310.     | EXTRAFORPLASTER EXT.WALLS HT>10M,EACH 3M   | M2   | 55.55  | 1        | 13.22             | :Extra for plastering exterior walls of height more than 10m from ground level for every additional height of 3 m or part thereof.   |
| 320.     | EXTRAFORPLASTER CIRCULAR< 6M RAD.-ONE COAT | M2   | 28.67  | 1        | 13.23.1           | :Extra for plastering on circular work not exceeding 6m in radius.In one coat  |
| 330.     | EXTRAFORPLASTER CIRCULAR< 6M RAD-TWO COATS | M2   | 43.71  | 1        | 13.23.2           | :Extra for plastering on circular work not exceeding 6m in radius.In two coats   |

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|----------|---|------|--------|----------|------------------|---|
| 340.     | EXTFORPLASTERCORNCES/ARCH TAVNEATFIN-1COT | M2   | 422.40 | 1        | 13.24.1          | :Extra for plastering done on moulding cornices or architraves including neat finish to line and level:In one coat  |
| 350.     | EXTFORPLASTERCORNCES/ARCH TAVNEATFIN-2COT | M2   | 695.71 | 1        | 13.24.2          | :Extra for plastering done on moulding cornices or architraves including neat finish to line and level:In two coats   |
| 360.     | EXTRAFOR PLASTER SPHERICAL CEILING        | M2   | 106.95 | 1        | 13.25.1          | :Extra for plastering : Spherical ceiling   |
| 370.     | EXTRAFOR PLASTER GROINED CEILING          | M2   | 116.12 | 1        | 13.25.2          | :Extra for plastering : Groined ceiling   |
| 380.     | EXTRAFOR PLASTER FLEWING CEILING          | M2   | 70.49  | 1        | 13.25.3          | :Extra for plastering : Flewing soffits   |
| 390.     | POP PUTTY 2MM OVER PLASTERED SURFACE      | M2   | 151.38 | 1        | 13.26            | :Applying Plaster of Paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.   |
| 400.     | EXTRA FOR LINING OUT PLASTER              | M2   | 67.44  | 1        | 13.27            | :Applying plaster of paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.Extra for lining out plaster to imitate stone or concrete blocks walling |
| 410.     | 12MM C.M. BANDS IN 1:4-FLUSH BOND         | M    | 4.08   | 1        | 13.28.1          | :12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) :Flush Band (Rate:cm per metre)   |

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|----------|-------------------------------------|------|-------|----------|-------------------|---|
| 420.     | 12MM C.M.BANDS IN 1:4 -SUNK BOND    | M    | 4.50  | 1        | 13.28.2           | :12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) :Sunk Band (cm per metre)   |
| 430.     | 12MM C.M.BANDS IN 1:4 -RAISED BOND  | M    | 5.18  | 1        | 13.28.3           | :12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) :Raised Band (cm per metre)   |
| 440.     | 12MM C.M.BANDS IN 1:4-MOULDED BOND  | M    | 9.17  | 1        | 13.28.4           | :12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) :Moulded Band (cm per metre)  |
| 450.     | 18MM C.M.BANDS IN 1:4-FLUSH BOND    | M    | 4.87  | 1        | 13.29.1           | :18mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand):Flush Band (cm per metre)  |
| 460.     | 18MM C.M.BANDS IN 1:4-SUNK BOND     | M    | 5.42  | 1        | 13.29.2           | :18mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand):Sunk Band (cm per metre)   |
| 470.     | 18MM C.M.BANDS IN 1:4-RAISED BOND   | M    | 6.27  | 1        | 13.29.3           | :18mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand):Raised Band (cm per metre)   |
| 480.     | 18MM C.M.BANDS IN 1:4-MOULDED BOND  | M    | 12.07 | 1        | 13.29.4           | :18mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand):Moulded Band (cm per metre)  |
| 490.     | 18MM MOULDED C.M. BAND IN TWO COATS | M    | 12.07 | 1        | 13.30             | :18mm thick moulded cement mortar band in two coats under layer 12mm thick with cement mortar 1:5 (1 cement : 5 coarse sand) top layer 6mm thick with cement mortar |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | 1:4 (1 cement : 4 fine sand). (cm per metre)   |
| 500.     | POINTG ONBRKWRK,BRKFLG IN CM1:3-F/R/S/W   | M2   | 143.87 | 1        | 13.31.1          | :Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) :Flush / Ruled / Struck or weathered pointing.                                   |
| 510.     | POINTG ONBRKWRK,BRKFLGINCM1:3-RAISED&CUT  | M2   | 234.62 | 1        | 13.31.2          | :Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) :Raised and cut pointing   |
| 520.     | POINT.ON TILE B/W IN C.M.1:3 F/R/S/W      | M2   | 193.77 | 1        | 13.32.1          | :Pointing on tile brick work with cement mortar 1:3 (1 cement :3 fine sand):Flush / Ruled / Struck or weathered pointing   |
| 530.     | POINTING ON S/W IN C.M.1:3:FLUSH/RULED    | M2   | 220.67 | 1        | 13.33.1          | :Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :Flush / Ruled pointing  |
| 540.     | POINTING ON S/W IN C.M.1:3:RAISED & CUT   | M2   | 400.84 | 1        | 13.33.2          | :Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :Raised and cut pointing   |
| 550.     | PT.ONSTNWRKCM1:3,R/CPOINT WHITCMNTMRTR1:3 | M2   | 400.84 | 1        | 13.34            | :Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) :Raised and cut pointing on stone work in white cement mortar 1:3 (1 white cement : 3 marble dust) |
| 560.     | POINTINGSTNSLBCEILIN CM.1:2-FLUSH/RULED   | M2   | 121.33 | 1        | 13.35.1          | :Pointing on stone slab ceiling with cement mortar 1:2 (1 cement : 2 fine sand):Flush / Ruled pointing   |

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|----------|---|------|--------|----------|-------------------|---|
| 570.     | EXTRAFORPOINTING ON WALLS OUTSIDE >10M  | M2   | 7.06   | 1        | 13.36             | :Extra for pointing on walls on the outside at height more than 10m from ground level for every additional height of 3 m or part there of.  |
| 580.     | WHITEWASH WITH LIME:NEW WORK=>3COATS    | M2   | 21.66  | 1        | 13.37.1           | :White washing with lime to give an even shade: New work (three or more coats)  |
| 590.     | SATNA LIME WASH ON WALLS ONE COAT       | M2   | 9.22   | 1        | 13.38             | :Satna lime wash on walls one coat  |
| 600.     | COLOUR WASH:NEW=>2COATS-BASE COAT LIME  | M2   | 30.63  | 1        | 13.39.1           | :Colour washing such as green, blue or buff to give an even shade: New work (two or more coats) with a base coat of white washing with lime   |
| 610.     | COLOURWASH:NEW=>COATS-BASE COAT WHITING | M2   | 30.18  | 1        | 13.39.2           | :Colour washing such as green, blue or buff to give an even shade: New work (two or more coats) with a base coat of whiting   |
| 620.     | DRY DISTEMPERING=>2COATS-NEW            | M2   | 82.58  | 1        | 13.40             | :Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including priming coat of whiting to give an even shade. |
| 630.     | OILDISTEMPER(WASHABLE)=>2 COATS-NEWWRK  | M2   | 108.07 | 1        | 13.41.1           | :Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade:New work (two or more coats) over and including priming coat with cement primer     |

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|----------|---|------|-------|----------|-------------------|--|
| 640.     | ACRYLIC WASHABLE DISTEMPER=>2COAT-NEWWRK  | M2   | 60.63 | 1        | 13.42.1           | :Distempering with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete as per manufacturer's specification.:Two or more coats on new work.                                     |
| 650.     | CEMENT PRIMER ON WALL-1 COAT              | M2   | 43.08 | 1        | 13.43.1           | :Applying one coat of cement primer of approved brand and manufacture on wall surface:Cement primer  |
| 660.     | WATER PROOFING CEMENT PAINT -NEWWRK       | M2   | 56.20 | 1        | 13.44.1           | :Finishing walls with water proofing cement paint of required shade: New work (Two or more coats applied @ 3.84 kg/10 sqm).  |
| 670.     | TEXTURED EXTERIOR PAINT=>2COATS-NEWWRK    | M2   | 66.42 | 1        | 13.45.1           | :Finishing walls with textured exterior paint of required shade: New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.                                       |
| 680.     | ACRYLIC SMOOTH EXT. PAINT=>2COATS-NEWWRK  | M2   | 66.45 | 1        | 13.46.1           | :Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm).                                 |
| 690.     | PRIMERY ACRYLIC EXT. PAINT+SILI.ADDITIVES | M2   | 66.45 | 1        | 13.47.1           | :Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm). |



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|----------|--|------|-------|----------|-------------------|---|
| 700.     | DELUXEMULTI SURFACE PAINTING-INT.& EXT.  | M2   | 66.42 | 1        | 13.48.1           | :Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Two or more coats applied @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm. |
| 710.     | DELUXE PAINTING@0.9L/10SQM +PRIMER-WOOD  | M2   | 66.42 | 1        | 13.48.2           | :Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/ 10 sqm of approved brand or manufacture  |
| 720.     | DELUXE PAINTING@0.8L/10SQM +PRIMER-WOOD  | M2   | 66.42 | 1        | 13.48.3           | :Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture   |
| 730.     | EXTRFORWATERPROOF CEMENT PAINT AS PRIMER | M2   |       | 1        | 13.49             | :Extra for applying water proofing cement paint as primer applied @ 2.2 kg/10 sqm instead of primer for exterior finishing in Item No. 13.48.1 .  |
| 740.     | PINK,GREYPRIMER ON WOOD WORK             | M2   | 36.81 | 1        | 13.50.1           | :Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)  |
| 750.     | PINK,GREYPRIMER-RESINOUSWOODPLYWOD       | M2   | 36.81 | 1        | 13.50.2           | :Applying priming coat: With ready mixed aluminium primer of approved brand and manufacture on resinous   |

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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | wood and plywood  |
| 760.     | REDOXIDEZINCPRMR-STELGALVIRON/STELWRK1CT | M2   | 33.45  | 1        | 13.50.3           | :Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works  |
| 770.     | REDOXIDEZINCPRMR-STELGALVIRON/STELWRK2CT | M2   | 17.22  | 1        | 13.50.4           | :Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)   |
| 780.     | Painting-silicon/acrylic sealen-1 Coats  | M2   | 39.38  | 1        | 13.51.1           | Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : One coat   |
| 790.     | Painting-silicon/acrylic sealen-2 Coats  | M2   | 62.25  | 1        | 13.51.2           | Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : Two coats  |
| 800.     | EPOXY PAINT (=>2COATS)-ON STEEL WORK     | M2   | 109.65 | 1        | 13.52.1           | :Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.On steel work    |
| 810.     | EPOXY PAINT (=>2COATS)-CONCRETE WORK     | M2   | 113.63 | 1        | 13.52.2           | :Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.On concrete work |
|          |  |      |        |          |                   |   |

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|----------|---|------|-------|----------|------------------|--|
| 820.     | ENAMEL PAINTING ON G.S.SHEET:NEW        | M2   | 90.06 | 1        | 13.53.1          | :Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution.                        |
| 830.     | MORDANTSOLN.ON G.S.SHEET-COPPER ACETATE | M2   | 38.32 | 1        | 13.54.1          | :Applying a coat of mordant solution on G.S. sheet: With a solution of 38 gms of copper acetate in a litre of soft water   |
| 840.     | MORDANTSOLN.ON G.S.SHEET-HCL,CU,NH ETC. | M2   | 38.32 | 1        | 13.54.2          | :Applying a coat of mordant solution on G.S. sheet: With a solution made of 13 gms of hydrochloric acid in a solution of 13 gms each of copper chloride, copper nitrate and ammonium chloride dissolved in a litre of soft water.                                      |
| 850.     | ANTICORR.BIT.PAINTING ONPIPES-100MM DIA | M    | 41.14 | 1        | 13.55.1          | :Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work:100mm diameter pipes |
| 860.     | ANTICORR.BIT.PAINTING ONPIPES-150MM DIA | M    | 61.42 | 1        | 13.55.2          | :Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture over and including a priming of ready mixed zinc chromate yellow primer on new work:150mm diameter pipes |
| 870.     | SYNTH.ENAMEL PAINTING                   | M    | 42.08 | 1        | 13.56.1          | :Painting (two or more coats) on rain water, soil, waste   |

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|----------|--|------|-------|----------|-------------------|--|
|          | ONPIPES-100MM DIA                          |      |       |          |                   | and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work.100mm diameter pipes  |
| 880.     | SYNTH.ENAMEL PAINTING<br>ONPIPES-150MM DIA | M    | 62.79 | 1        | 13.56.2           | :Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work.150mm diameter pipes |
| 890.     | PAINTING WITH OIL TYPE<br>WOODPRESERVATIVE | M2   | 21.30 | 1        | 13.57.1           | :Painting with oil type wood preservative of approved brand and manufacture:New work (two or more coats)   |
| 900.     | FIRE RETARDANT<br>PAINT2COATS-WOOD/PLYWOOD | M2   | 72.84 | 1        | 13.58             | :Applying two coats of fire retardant paint unthinned on cleaned wood/ply surface @ 3.5 sqm per litre per coat including preparation of base surface as per recommendations of manufacturer to make the surface fire retardant.                      |
| 910.     | COAL TARRING TWO COATS ON<br>NEW WORK      | M2   | 28.74 | 1        | 13.59             | :Coal tarring two coats on new work using 0.16 and 0.12 litre coal tar per sqm in the first coat and second coat respectively.   |
| 920.     | PLASTIC EMULSION<br>PAINTING2COAT-NEW WORK | M2   | 75.34 | 1        | 13.60.1           | :Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work  |

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|----------|---|------|--------|----------|------------------|---|
| 930.     | SYNTH.ENAMEL PAINTING-NEW WORK 2COATS   | M2   | 74.25  | 1        | 13.61.1          | :Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work   |
| 940.     | SYNTH.ENAMEL PAINTING-ON ORDINARY PAINT | M2   | 109.65 | 1        | 13.62.1          | :Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture. |
| 950.     | ALUMINIUM ENAMEL PAINTING-NEW WORK      | M2   | 75.27  | 1        | 13.63.1          | :Painting with aluminium paint of approved brand and manufacture to give an even shade.Two or more coats on new work  |
| 960.     | ACID PROOF PAINTING-NEW WORK            | M2   | 74.25  | 1        | 13.64.1          | :Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade:Two or more coats on new work.   |
| 970.     | BLACKANTI-CORROSIVEBIT.PAINT-NEW WORK   | M2   | 72.46  | 1        | 13.65.1          | :Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade: Two or more coats on new work.  |
| 980.     | FLOOR ENAMEL PAINTING-NEW WORK          | M2   | 74.25  | 1        | 13.66.1          | :Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work.  |

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|----------|---|------|--------|----------|-------------------|--|
| 990.     | VARNISHING-COPAL VARNISH                | M2   | 119.71 | 1        | 13.67.1           | :Varnishing with varnish of approved brand and manufacture: Two or more coats of glue sizing with copal varnish over an under coat of flattening varnish.  |
| 1000.    | VARNISHING-SPAR VARNISH                 | M2   | 119.02 | 1        | 13.67.2           | :Varnishing with varnish of approved brand and manufacture: Two or more coats glue sizing with spar varnish or an under coat of flattening varnish.  |
| 1010.    | FRENCH SPIRIT POLISHING                 | M2   | 252.33 | 1        | 13.68.1           | :French spirit polishing: Two or more coats on new works including a coat of wood filler.  |
| 1020.    | POLISH ON WOOD WITH WAX                 | M2   | 104.65 | 1        | 13.69.1           | :Polishing on wood work with ready mixed wax polish of approved brand and manufacture:New work   |
| 1030.    | POLISH MASONRY/CONCRETE FLOORS WITH WAX | M2   | 54.31  | 1        | 13.70             | :Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.  |
| 1040.    | LETTERING WITH BLACK JAPAN PAINT        | PLC  | 3.56   | 1        | 13.71             | :Lettering with black Japan paint of approved brand and manufacture (per letter per cm height)   |
| 1050.    | STONE GRIT PLASTER ON EXT.WALLS HT<=10M | M2   | 585.65 | 1        | 13.72             | :Washed stone grit plaster on exterior walls of height upto 10m above level in two layers, under layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand ) furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with |

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|          |  |      |        |          |                   | groove all around as per approved pattern including scrubbing and washing, the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction of Engineer-in-Charge (Payment for providing grooves shall be made separately).   |
| 1060.    | GROOVEONWASHEDSTNGRITPLSTR-15MMWX15MMD | M    | 45.81  | 1        | 13.73.1           | :Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-Charge :15mm wide and 15mm deep groove |
| 1070.    | GROOVEONWASHEDSTNGRITPLSTR-20MMWX15MMD | M    | 45.83  | 1        | 13.73.2           | :Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-Charge :20mm wide and 15mm deep groove |
| 1080.    | EXTRAFORGRITPLASTERONEXT WALLS HT>10M  | M2   | 116.83 | 1        | 13.74             | :Extra for washed grit plaster on exterior walls of height more than 10m from ground level for every additional height of 3 m or part thereof.   |
| 1090.    | EXTRAFORSTONEGRITPLASTER               | M2   | 84.64  | 1        | 13.75             | :Extra for washed stone grit plaster on circular work not  |

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|          | -CIRWRK<=6M RAD                          |      |        |          |                   | exceeding 6m in radius (in two coats).   |
| 1100.    | GROOVEONPLASTERED SURFC-12X12MMTO25X15MM | M    | 23.40  | 1        | 13.76             | :Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.   |
| 1110.    | EXTRAFORWHITECEMNT IN STONEGRITPLASTER   | M2   |        | 1        | 13.77             | :Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster.   |
| 1120.    | 12MM THICK GYPSUM PLASTER                | M2   | 164.03 | 1        | 13.78             | :Applying 12mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite / perite respectively conforming to IS: 2547 (Part - 1 & II) 1976, applied on hacked / uneven background such as bare brick / block / RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete. |
| 1130.    | Extra for synthetic polyester            | BAG  |        | 1        | 13.79             | Extra for addition of synthetic polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms of synthetic polyester triangular fibre for 50 kg cement used in cement mortar as per directions of Engineer-in-Charge  |



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|----------|--------------------------------------|------|-------|----------|-------------------|---|
| 1140.    | Appl of avg 1mm white cement putty   | M2   | 74.98 | 1        | 13.80             | Application of white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete  |
| 1150.    | Distemp with acrylic distemper-1coat | M2   | 37.40 | 1        | 13.81.1           | Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture,including applying additional coats wherever required, to achieve even shade and colour.: One Coat  |
| 1160.    | Distemp with acrylic distemper-2coat | M2   | 60.63 | 1        | 13.81.2           | Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture,including applying additional coats wherever required, to achieve even shade and colour.: Two Coats |
| 1170.    | Acrylic emulsion painting-1 coat     | M2   | 51.15 | 1        | 13.82.1           | Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound)content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour: One Coat          |
| 1180.    | Acrylic emulsion painting-2 coats    | M2   | 75.34 | 1        | 13.82.2           | Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound)content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve  |

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|          |                                       |      |       |          |                  | even shade and colour: Two Coats   |
| 1190.    | Prm.Acrylic emulsion painting-1 coat  | M2   | 49.99 | 1        | 13.83.1          | Wall painting with premium acrylic emulsion paint of interior grade, having VOC (VolatileOrganic Compound ) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour: One coat   |
| 1200.    | Prm.Acrylic emulsion painting-2 coats | M2   | 75.34 | 1        | 13.83.2          | Wall painting with premium acrylic emulsion paint of interior grade, having VOC (VolatileOrganic Compound ) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour: Two Coats. |
| 1210.    | Synthetic enamel painting-1 coat      | M2   | 50.09 | 1        | 13.84.1          | Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour-One Coat                                  |
| 1220.    | Synthetic enamel painting-2 coats     | M2   | 74.25 | 1        | 13.84.2          | Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour-One Coat                                  |
| 1230.    | Applying priming coats-on wood wrk    | M2   | 36.81 | 1        | 13.85.1          | Applying priming coats with primer of approved brand and   |

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| Item No.                         | Description                                       | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------------------------------|---|------|--------|----------|-------------------|---|
|                                  |   |      |        |          |                   | manufacture, having low VOC (Volatile Organic Compound ) content.With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  |
| 1240.                            | Applying priming coats- on steel                  | M2   | 33.45  | 1        | 13.85.2           | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/litre.   |
| 1250.                            | Applying cement primer on wall                    | M2   | 43.08  | 1        | 13.85.3           | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre.   |
| <b>14 : REPAIRS TO BUILDINGS</b> |   |      |        |          |                   |   |
| 10.                              | PATCHREPAIR<br>AREA 2.5 SQM & BELOW, FINE<br>SAND | M2   | 276.15 | 1        | 14.1.1            | :Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead:With cement mortar 1:4 (1 cement : 4 fine sand) |
| 20.                              | PATCHREPAIR                                       | M2   | 276.15 | 1        | 14.1.2            | :Repairs to plaster of thickness 12mm to 20mm in patches  |

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|----------|--|------|--------|----------|------------------|---|
|          | AREA 2.5 SQM & BELOW, COARSE SAND          |      |        |          |                  | of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead: With cement mortar 1:4 (1 cement : 4 coarse sand).  |
| 30.      | FIXING DOOR CHOWKATH IN EXISTING OPENING   | EA   | 977.85 | 1        | 14.2.1           | : Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead. Door chowkhats |
| 40.      | FIXING WINDOW CHOWKATH IN EXISTING OPENING | EA   | 603.05 | 1        | 14.2.2           | : Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead. Window         |

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|----------|------------------------------------|------|--------|----------|------------------|--|
|          |                                    |      |        |          |                  | chowkhats  |
| 50.      | FIXING CLERESTORY WINDOW CHOWKHATH | EA   | 468.46 | 1        | 14.2.3           | :Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead.Clerestory window chowkhats |
| 60.      | FIXING CHOWKHAT WITH FASTENERS     | EA   | 71.99  | 1        | 14.3             | :Fixing chowkhat in existing opening in brick / RCC wall with dash fasteners / chemical fasteners of appropriate size (3nos on each vertical member of door chowkhat and 2 nos. on each vertical member of window chowkhats including cost of dash fasteners / chemical fastener.  |
| 70.      | MAKING OPENING IN BRICK MASONARY   | M2   | 718.86 | 1        | 14.4.1           | :Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls,flooring and jambs complete to match existing surface i/c disposal of mulba / rubbish to the nearest municipal dumping ground.For door / window / clerestory window.  |
| 80.      | RENEWING 4MM THK FLOAT             | M2   | 332.44 | 1        | 14.5.1           | :Renewing glass panes, with putty and nails wherever   |

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|----------|--|------|--------|----------|-------------------|--|
|          | GLASS PANES                              |      |        |          |                   | necessary: Float glass panes of thickness 4mm  |
| 90.      | RENEWING 5.5MM THK FLOAT GLASS PANES     | M2   | 332.44 | 1        | 14.5.2            | :Renewing glass panes, with putty and nails wherever necessary: Float glass panes of thickness 5.5mm |
| 100.     | RENEWING 4MM THK GLASS, WOODEN FILLETS   | M2   | 594.93 | 1        | 14.6.1            | :Renewing glass panes, with wooden fillets wherever necessary: Float glass panes of thickness 4mm    |
| 110.     | RENEWING 5.5MM THK GLASS, WOODEN FILLETS | M2   | 594.93 | 1        | 14.6.2            | :Renewing glass panes, with wooden fillets wherever necessary: Float glass panes of thickness 5.5mm  |
| 120.     | RENEWING GLASS & REFIXING WOODEN FILLETS | M2   | 431.94 | 1        | 14.7.1            | Renewing glass panes and refixing existing wooden fillets: Float glass panes of thickness 4mm        |
| 130.     | RENEWING GLASS & REFIXING WOODEN FILLET  | M2   | 431.94 | 1        | 14.7.2            | :Renewing glass panes and refixing existing wooden fillets: Float glass panes of thickness 5.5mm     |
| 140.     | FIXING 2ND CLASS TEAKWOOD FILLET         | M    | 39.55  | 1        | 14.8.1            | :Fixing new wooden fillets wherever necessary: 2nd class teak wood fillets                           |
| 150.     | FIXING HOLLOCK WOOD FILLETS              | M    | 39.55  | 1        | 14.8.2            | :Fixing new wooden fillets wherever necessary: Hallock wood fillets.                                 |
| 160.     | RENEWAL OF OLD PUTTY OF GLASS PANES      | M    | 31.59  | 1        | 14.9              | :Renewal of old putty of glass panes (length)  |
| 170.     | FIXING OLD GLASS PANES WITH              | M2   | 410.69 | 1        | 14.10             | :Refixing old glass panes with putty and nails   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
|          | PUTTY                                    |      |          |          |                   |  |
| 180.     | FIXING OLD GLASS PANE WITH WOODEN FILLET | M2   | 394.91   | 1        | 14.11             | :Fixing old glass panes with wooden fillets (excluding cost of fillets)  |
| 190.     | FIXING 16 MM M.S FAN CLAMPS              | EA   | 314.85   | 1        | 14.12             | :Fixing 16mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab including cutting chase and making good and painting exposed portion of the clamps complete.   |
| 200.     | REGRADING TERRACING OF MUD PHASKA        | M2   | 381.38   | 1        | 14.13             | :Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster preparing the surface of mud phaska to proper slope relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 3 fine sand) including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded) within 50 metres lead. |
| 210.     | REPLACING SAND STONE SLABS IN ROOFING    | M2   | 490.04   | 1        | 14.14.1           | :Replacing sand stone slabs in roofing laid in cement mortar 1:4 (1 cement : 4 coarse sand) including necessary repairs and cement pointing with same mortar complete including disposal of rubbish to dumping ground within 50 metres of lead:Red / white sand stone slabs 30 to 50mm thick.  |
| 220.     | RENEWING WOODEN BATTENS                  | M3   | 6,667.33 | 1        | 14.15.1           | :Renewing wooden battens in roofs, including making  |

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|----------|--|------|-----------|----------|------------------|---|
|          | IN ROOFS                               |      |           |          |                  | good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:Sal wood battens.   |
| 230.     | RENEWING SAL WOOD BEAMS IN ROOF,>4MT   | M3   | 9,288.20  | 1        | 14.16.1.1        | :Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:Not exceeding 4.00 metres in length. Sal wood beams           |
| 240.     | RENEWING HOLLOCK WOOD BEAM IN ROOF,>4M | M3   | 9,288.20  | 1        | 14.16.1.2        | :Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:Not exceeding 4.00 metres in length. Hollock wood beams       |
| 250.     | RENEWING SAL WOOD BEAM IN ROOF,<4 >5MT | M3   | 10,732.56 | 1        | 14.16.2.1        | :Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:Above 4.00 metres and upto 5.00 metres length. Sal wood beams |
| 260.     | RENEWING HOLOCK BEAM IN                | M3   | 10,732.56 | 1        | 14.16.2.2        | :Renewing wooden beams in roofs including making good   |



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|          | ROOF,<4 >5MT                             |      |       |          |                  | the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead:Above 4.00 metres and upto 5.00 metres length. Hollock wood beams |
| 270.     | RAKING OUT JOINTS IN LIME/CEMENT MORTAR  | M2   | 40.88 | 1        | 14.17            | :Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead.  |
| 280.     | FLUSH POINTING1:3 MORTAR ,FPS BRICK      | M2   | 76.19 | 1        | 14.18.1          | :Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska:With F.P.S. brick tiles.  |
| 290.     | FLUSH POINTING1:3 MORTAR ,MODULAR BRICK  | M2   | 76.31 | 1        | 14.18.2          | :Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska:With modular brick tiles  |
| 300.     | TAKING OUT WIND TIES FROM ROOF           | KG   | 3.12  | 1        | 14.19            | :Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking.  |
| 310.     | FIXING OF OLD WIND TIE WITH NEW FITTINGS | M    | 35.44 | 1        | 14.20            | :Fixing of old wind tie with new fittings including painting two or more coats with anticorrosive bitumastic paint of   |

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|          |  |      |          |          |                  | approved brand & manufacturer over and including priming coat of ready mixed zinc chromate yellow primer of approved brand.  |
| 320.     | RENEWING BOTTOM RAIL, TOP RUBBER OF GATE | KG   | 112.41   | 1        | 14.21            | :Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacture.                            |
| 330.     | RENEWING WHEEL OF GATE 50MM DIA /BELOW   | EA   | 13.92    | 1        | 14.22.1          | :Renewing Wrought Iron or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erection etc. complete:Wheel 50mm dia. and below. (per wheel) |
| 340.     | RENEWING WHEEL OF GATE ABOVE 50MM DIA    | EA   | 43.85    | 1        | 14.22.2          | :Renewing Wrought Iron or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erection etc. complete:Wheel above 50mm dia.(per wheel)       |
| 350.     | PUMPING OUT WATER CAUSED BY SPRINGS      | KL   | 139.25   | 1        | 14.23            | :Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.(kilo litre)   |
| 360.     | MUD MORTAR                               | M3   | 601.31   | 1        | 14.24            | :Mud mortar  |
| 370.     | BRICK WORK WITH 75 CLASS IN MUD MORTAR   | M3   | 1,639.10 | 1        | 14.25            | :Brick work with bricks of class designation 75 in mud mortar  |

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|----------|---|------|----------|----------|------------------|--|
| 380.     | FIXING CUPBOARD SHUTTER,SUPERIOR TEAK   | M2   | 1,230.05 | 1        | 14.26.1.1        | :Fixing 25mm thick shutters for cup board etc. :Panelled or panelled & glazed shutters: Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.  |
| 390.     | FIXING CUPBOARD SHUTTER,1ST CLASS TEAK  | M2   | 1,230.05 | 1        | 14.26.1.2        | :Fixing 25mm thick shutters for cup board etc. :Panelled or panelled & glazed shutters: 1st class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.   |
| 400.     | FIXING GLAZED CUPBOARD SHUTTER,SUPERIOR | M2   | 969.53   | 1        | 14.26.2.1        | :Fixing 25mm thick shutters for cup board etc. :Glazed shutters:Superior class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.  |
| 410.     | FIXING GLAZED SHUTTER,1ST CLASS TEAK    | M2   | 969.53   | 1        | 14.26.2.2        | :Fixing 25mm thick shutters for cup board etc. :Glazed shutters:1st class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.   |
| 420.     | FIXING JAFFRI DOOR&WINDOW SHUTTER       | M2   | 938.61   | 1        | 14.27.1          | :Fixing plain jaffri door and window shutters including bright or/and black enamelled M.S. butt hinges with necessary screws 35x10mm laths placed 35mm apart (frames to be paid separately) including fixing 50x12mm beading complete with Second class teak wood. |
| 430.     | FIXING 20MM DIA CURTAIN ROD             | M    | 25.97    | 1        | 14.28.1          | :Fixing curtain rods of 1.25mm thick brass plates with two brass brackets fixed with brass screws and wooden plugs   |

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|          |  |      |          |          |                  | etc. wherever necessary complete.20mm diameter.  |
| 440.     | FIXING 25MM DIA CURTAIN ROD            | M    | 25.97    | 1        | 14.28.2          | :Fixing curtain rods of 1.25mm thick brass plates with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete.25mm diameter. |
| 450.     | M.S. ROUND/SQ BARS IN WOODEN FRAME     | KG   | 21.11    | 1        | 14.29            | :Fixing M.S. round or squire bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows.  |
| 460.     | JOIST(KARRIES)WITH SAL WOOD            | M3   | 6,315.30 | 1        | 14.30.1          | :Joists (karries) including hoisting fixing in position and applying wood preservative on unexposed surface etc. complete with:Sal wood                            |
| 470.     | JOIST(KARRIES)WITH HOLLOCK WOOD        | M3   | 6,315.30 | 1        | 14.30.2          | :Joists (karries) including hoisting fixing in position and applying wood preservative on unexposed surface etc. complete with:Hollack wood                        |
| 480.     | BRASS SINGLE ACTING SPRING HINGE,150MM | EA   | 45.61    | 1        | 14.31.1          | :Fixing bright finished brass single acting spring hinges with necessary screws etc. complete:150mm  |
| 490.     | BRASS SINGLE ACTING SPRING HINGE,125MM | EA   | 45.61    | 1        | 14.31.2          | :Fixing bright finished brass single acting spring hinges with necessary screws etc. complete:125mm  |
| 500.     | BRASS SINGLE ACTING SPRING HINGE,100MM | EA   | 45.61    | 1        | 14.31.3          | :Fixing bright finished brass single acting spring hinges with necessary screws etc. complete:100mm  |

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| Item No. | Description                            | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
| 510.     | DOUBLE ACTING SPRING BRASS HINGE,150MM | EA   | 45.61 | 1        | 14.32.1           | :Fixing bright finished brass double acting spring hinges with necessary screws etc. complete:150mm                        |
| 520.     | DOUBLE ACTING SPRING BRASS HINGE,125MM | EA   | 45.61 | 1        | 14.32.2           | :Fixing bright finished brass double acting spring hinges with necessary screws etc. complete:125mm                        |
| 530.     | DOUBLE ACTING SPRING BRASS HINGE,100MM | EA   | 45.61 | 1        | 14.32.3           | :Fixing bright finished brass double acting spring hinges with necessary screws etc. complete:100mm                        |
| 540.     | BRASS BOLTS,250 MM                     | EA   | 17.43 | 1        | 14.33.1           | :Fixing bright finished brass flush bolts with necessary screws etc. complete:250mm  |
| 550.     | BRASS BOLTS,150 MM                     | EA   | 14.72 | 1        | 14.33.2           | :Fixing bright finished brass flush bolts with necessary screws etc. complete:150mm  |
| 560.     | BRASS BOLTS,100 MM                     | EA   | 14.72 | 1        | 14.33.3           | :Fixing bright finished brass flush bolts with necessary screws etc. complete:100mm  |
| 570.     | 150MM BRASS FLOOR DOOR STOPPER         | EA   | 8.16  | 1        | 14.34             | :Fixing 150mm bright finished floor brass door stopper with rubber cushion, screws etc. to suit shutter thickness complete |
| 580.     | BRASS HARD DRAWN HOOKS/EYES:300 MM     | EA   | 5.18  | 1        | 14.35.1           | :Fixing finished brass hard drawn hooks and eyes:300mm   |
| 590.     | BRASS HARD DRAWN                       | EA   | 5.18  | 1        | 14.35.2           | :Fixing finished brass hard drawn hooks and eyes:250mm   |

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|----------|---|------|-------|----------|------------------|--|
|          | HOOKS/EYES,250 MM                       |      |       |          |                  |  |
| 600.     | BRASS HARD DRWAN HOOKS/EYES,200 MM      | EA   | 5.18  | 1        | 14.35.3          | :Fixing finished brass hard drawn hooks and eyes:200mm   |
| 610.     | BRASS HARD DRWAN HOOKS/EYES,150 MM      | EA   | 5.18  | 1        | 14.35.4          | :Fixing finished brass hard drawn hooks and eyes:150mm   |
| 620.     | BRASS HARD DRWAN HOOKS/EYES,100 MM      | EA   | 5.18  | 1        | 14.35.5          | :Fixing finished brass hard drawn hooks and eyes:100mm   |
| 630.     | BRASS HARD DRWAN FAN LIGHT PIVOT        | EA   | 6.83  | 1        | 14.36            | :Fixing bright finished brass fan light pivot with necessary screws etc. complete:                               |
| 640.     | 300MMLONG BRASS CHAIN WITH HOOK FOR FAN | EA   | 8.48  | 1        | 14.37            | :Fixing 300mm long bright finished brass chain with hook for fan light including necessary screws etc. complete. |
| 650.     | 300MMLONG BRASS QUADRANT STAY           | EA   | 8.48  | 1        | 14.38            | :Fixing bright finished brass quadrant stay 300mm long with necessary screws etc. complete.                      |
| 660.     | BRASS HELICAL DOOR SPRING               | EA   | 45.66 | 1        | 14.39            | :Fixing bright finished brass helical door spring (superior quality).  |
| 670.     | CHROMIUM BUTT HINGE125X70X4MM(ORDINARY) | EA   | 18.34 | 1        | 14.40.1          | :Fixing chromium plated brass butt hinges with necessary screws etc. complete.125x70x4mm (ordinary type)         |
| 680.     | CHROMIUM BUTT HINGE100X70X4MM(ORDINARY) | EA   | 18.34 | 1        | 14.40.2          | :Fixing chromium plated brass butt hinges with necessary screws etc. complete.100x70x4mm (ordinary type)         |
| 690.     | CHROMIUM BUTT                           | EA   | 17.86 | 1        | 14.40.3          | :Fixing chromium plated brass butt hinges with necessary   |

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|----------|---|------|-------|----------|-------------------|---|
|          | HINGE75X65X4MM(HEAVY)                     |      |       |          |                   | screws etc. complete.75x65x4mm (heavy type)   |
| 700.     | CHROMIUM BUTT HINGE75X40X2.5MM(ORD)       | EA   | 17.86 | 1        | 14.40.4           | :Fixing chromium plated brass butt hinges with necessary screws etc. complete.75x40x2.5mm (ordinary type)   |
| 710.     | CHROMIUM BUTT HINGE50X40X2.5MM(ORDINARY)  | EA   | 6.83  | 1        | 14.40.5           | :Fixing chromium plated brass butt hinges with necessary screws etc. complete.50x40x2.5mm (ordinary type)   |
| 720.     | CHROMIUM PLATED BOLT LOCK 85X42MM         | EA   | 18.78 | 1        | 14.41             | :Fixing 85x42mm chromium plated brass pull bolt lock with necessary screws, nuts, bolts and washers etc. complete.                                    |
| 730.     | LIMEWHITEWASH:OLDWRK-TWO OR MORE COATS    | M2   | 12.62 | 1        | 14.42.1           | :White washing with lime to give an even shade: Old work (two or more coats)  |
| 740.     | LIMEWHITEWASH:OLDWRK-ONE OR MORE COATS    | M2   | 7.95  | 1        | 14.42.2           | :White washing with lime to give an even shade: Old work (one or more coats)  |
| 750.     | REMOVING WHITE OR COLOUR WASH             | M2   | 11.55 | 1        | 14.43             | :Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete |
| 760.     | DRY DISTEMPERING-OLDWRK ONE OR MORE COATS | M2   | 35.34 | 1        | 14.44             | :Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.       |
| 770.     | OILWASHABLE                               | M2   | 37.40 | 1        | 14.45.1           | :Distempering with oil bound washable distemper of  |

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|----------|--|------|-------|----------|------------------|---|
|          | DISTEMPER-OLDWRK<br>1ORMORECOAT              |      |       |          |                  | approved brand and manufacture to give an even shade:Old work (one or more coats)   |
| 780.     | REMOVING DISTEMPER,CEMENT PAINT              | M2   | 14.91 | 1        | 14.46            | :Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.   |
| 790.     | ENAMEL PAINTING ON G.S SHEET                 | M2   | 49.72 | 1        | 14.47.1          | :Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:Old work (one or more coats)   |
| 800.     | BITUMASTICPAINTONSOILPIPE-<br>TWO ORMORECOAT | M    | 30.66 | 1        | 14.48.1          | :Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work:75mm diameter pipes |
| 810.     | Bitumasticpaint- 75mmsoil pipe,1orMoreco     | M    | 15.13 | 1        | 14.49.1          | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work:75mm diameter pipes  |
| 820.     | Bitumasticpaint- 100mmsoil pipe,1orMorec     | M    | 19.92 | 1        | 14.49.2          | Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work:100 mm dia metre pipes  |



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|----------|--|------|-------|----------|------------------|--|
| 830.     | Bitumasticpaint- 150mmsoil pipe,1orMorec | M    | 28.41 | 1        | 14.49.3          | Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work:150mm diameter pipes   |
| 840.     | Alum paint on 75mm soil pipe-2orMoreCoat | M    | 31.38 | 1        | 14.50.1          | :Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work:75mm diameter pipes |
| 850.     | Alum paint on 100mm soil pipe-2orMoreCoa | M    | 42.08 | 1        | 14.50.2          | Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work:100mm diameter pipes |
| 860.     | Alum paint on 150mm soil pipe-2orMoreCoa | M    | 62.79 | 1        | 14.50.3          | Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work:150mm diameter pipes |
| 870.     | ENAMEL PAINT ONOLDSOIL PIPE OF75MM DIA   | M    | 15.73 | 1        | 14.51.1          | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of  |

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|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | approved brand and manufacture and required colour on old work:75mm diameter pipes   |
| 880.     | ENAMEL PAINT ONOLDSOIL PIPE OF100MM DIA  | M    | 20.16 | 1        | 14.51.2          | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work:100mm diameter pipes  |
| 890.     | ENAMEL PAINT ONOLDSOIL PIPE OF150MM DIA  | M    | 28.75 | 1        | 14.51.3          | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work:150 mm diameter pipes |
| 900.     | PAINTING WITH OILWOOD PRESERVATIVEOLDWRK | M2   | 15.54 | 1        | 14.52.1          | :Painting with oil type wood preservative of approved brand and manufacture:Old work (one or more coats)   |
| 910.     | PLASTIC EMULSION WALL PAINTING OLD WORK  | M2   | 51.11 | 1        | 14.53.1          | :Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:One or more coats on old work.  |
| 920.     | ENAMEL PAINTING ONE/MORE COAT ON OLDWORK | M2   | 50.09 | 1        | 14.54.1          | :Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:One or more coats on old work.  |
| 930.     | ALUMINIUM PAINTING ONE/MORE COAT,OLDWORK | M2   | 50.09 | 1        | 14.55.1          | :Painting with aluminium paint of approved brand and manufacture to give an even shade: One or more coats on old work.   |

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|----------|---|------|--------|----------|------------------|--|
| 940.     | ACIDPROOF PAINTING<br>ONE/MORE COAT,OLD WRK | M2   | 50.09  | 1        | 14.56.1          | :Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work.   |
| 950.     | BITUMASTIC PAINTING<br>ONE/MORE COAT OLDWRK | M2   | 49.37  | 1        | 14.57.1          | :Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade: One or more coats on old work. |
| 960.     | FRENCH SPIRIT<br>POLISHING,ONE/MORE COAT    | M2   | 125.75 | 1        | 14.58.1          | :French spirit polishing: One or more coats on old work.   |
| 970.     | WAX POLISHING ON WOOD,OLD<br>WORK           | M2   | 53.15  | 1        | 14.59.1          | :Polishing on wood work with ready made wax polish of approved brand and manufacture:Old work.   |
| 980.     | RE-LETTERING WITH BLACK<br>JAPAN PAINT      | PLC  | 2.24   | 1        | 14.60            | :Re-lettering with black japan paint of approved brand and manufacture.(per letter per cm height)  |
| 990.     | PAINTING WITH BLACK JAPAN<br>PAINT          | M2   | 50.09  | 1        | 14.61            | :Painting (one or more coats) with black japan paint of approved brand and manufacturing to give an even shade.                              |
| 1000.    | 32MMDIACPCHAIN&RUBBERPLU<br>GFORSINK,BASIN  | EA   | 21.25  | 1        | 14.62.1          | :Fixing C.P. brass chain and rubber plug complete for sink or wash basin:32mm dia  |
| 1010.    | 40MMDIACPCHAIN&RUBBERPLU<br>GFORSINK,BASIN  | EA   | 21.25  | 1        | 14.62.2          | :Fixing C.P. brass chain and rubber plug complete for sink or wash basin:40mm dia  |

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|----------|--|------|-------|----------|-------------------|--|
| 1020.    | ACRYLIC DISTEMPER-ONE/MORE COATS,OLDWRK  | M2   | 32.79 | 1        | 14.63.1           | :Distempering with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete as per manufacturer's specification.One or more coats on old work.                 |
| 1030.    | FINISHING WALLS-WATRPRFCEMETPAINT-OLDWRK | M2   | 52.78 | 1        | 14.64.1           | :Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat. |
| 1040.    | Water proof cement paint on walls-oldWr  | M2   | 37.64 | 1        | 14.64.2           | Finishing walls with water proofing cement paint of required shade: Old work (one or more coats @ 2.20 kg/ 10 sqm) complete  |
| 1050.    | TEXTURED EXT. WALL PAINTING @3.28L/10M2  | M2   | 49.36 | 1        | 14.65.1           | :Finishing walls with textured exterior paint of required shade: Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.   |
| 1060.    | TEXTURED EXT. WALL PAINTING @1.82LT/10M2 | M2   | 36.68 | 1        | 14.65.2           | :Finishing walls with textured exterior paint of required shade:Old work (One or more coats) applied @ 1.82 ltr/10 sqm.  |
| 1070.    | ACRYLIC EXT.WALL PAINTING @1.67LIT/10M2  | M2   | 47.85 | 1        | 14.66.1           | :Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/10 sqm) on existing cement paint surface.  |
| 1080.    | ACRYLIC EXT.WALL PAINTING                | M2   | 36.68 | 1        | 14.66.2           | :Finishing walls with Acrylic Smooth exterior paint of   |

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|----------|--|------|-------|----------|-------------------|--|
|          | @0.9LIT/10M2                             |      |       |          |                   | required shade: Old work (One or more coat applied @ 0.90 ltr/10 sqm).   |
| 1090.    | PREMIUM ACRYLICWALL PAINTING@1.43L/10 M2 | M2   | 49.22 | 1        | 14.67.1           | :Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface.        |
| 1100.    | PREMIUM ACRYLICWALL PAINTING@.83LT/10 M2 | M2   | 36.78 | 1        | 14.67.2           | :Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:Old work (one or more coats applied @ 0.83 ltr/10 sqm).  |
| 1110.    | ANTICOROSIVBITUMENPAINT-SOILPIPE100MMDIA | M2   |       | 1        | 14.68.1           | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work:100mm diameter pipes (Deleted) |
| 1120.    | ANTICOROSIVBITUMENPAINT-SOILPIPE150MMDIA | M2   |       | 1        | 14.68.2           | :Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint approved brand and manufacture on old work:150mm diameter pipes(Deleted)  |
| 1130.    | COPAL VARNISHING ONE OR MORE COATS       | M2   | 48.69 | 1        | 14.69.1           | :Varnishing with varnish of approved brand and manufacture: One or more coats with copal varnish.  |
| 1140.    | SPAR VARNISHING ,ONE OR MORE COATS       | M2   | 48.38 | 1        | 14.69.2           | :Varnishing with varnish of approved brand and manufacture: One or more coats with spar varnish.   |

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|----------|--------------------------------------|------|--------|----------|-------------------|---|
| 1150.    | MELAMINE POLISHING ON WOOD WORK      | M2   | 69.41  | 1        | 14.70             | :Melamine polishing on wood work (one or more coat).  |
| 1160.    | FLATTING VARNISHING ONE/MORE COAT    | M2   | 53.28  | 1        | 14.71             | :Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.  |
| 1170.    | DOUBLE SCAFFOLDING WORK UPTO 7STOREY | M2   | 166.13 | 1        | 14.72             | :Fixing double scaffolding system (cup lock type) on the exterior side, upto seven story height made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-Charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: This item to be used for maintenance work judiciously, necessary deduction for scaffolding in existing item to be done. |
| 1180.    | Fixing casement window fasteners     | KG   | 170.35 | 1        | 14.73             | Fixing bright finished brass casement window fasteners or peg stays to windows/ ventilators with necessary welding  |

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|---|---|------|----------|----------|-------------------|---|
|   |   |      |          |          |                   | and machine screws etc. complete.   |
| 1190.                                   | Fixing Brass Spring catch to C/H Ventil       | EA   | 34.07    | 1        | 14.74             | Fixing 14 mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc  |
| <b>15 : DISMANTLING AND DEMOLISHING</b> |   |      |          |          |                   |   |
| 10.                                     | DEMOLISHING LIME CON. (DISP50MLEAD)           | M3   | 476.92   | 1        | 15.1              | :Demolishing lime concrete manually / by mechanical means and disposal of material within 50 metres lead as per direction of Engineer-in-Charge   |
| 20.                                     | DEMOLISHING CEMENT CONCRETE 1:3:6 OR RICHER   | M3   | 1,364.95 | 1        | 15.2.1            | :Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in - charge. 1:3:6 or richer mix                |
| 30.                                     | DEMOLISHING CEMENT CONCRETE 1:4:8 OR LEANER   | M3   | 842.26   | 1        | 15.2.2            | :Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in - charge. 1:4:8 or leaner mix                |
| 40.                                     | DEMOLISHING R.C.C. WORK MANUALLY/MECHANICALLY | M3   | 1,991.29 | 1        | 15.3              | :Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. |
| 50.                                     | DEMOLISHING R.B. WORK MANUALLY/MECHANICALLY   | M3   | 1,780.23 | 1        | 15.4              | :Demolishing R.B. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per                                    |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | direction of Engineer-in-Charge   |
| 60.      | EXTRA FOR CUTTING REINFORCEMENT BARS     | M2   | 670.07   | 1        | 15.5             | :Extra for cutting reinforcement bars manually / by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer - in -charge.                           |
| 70.      | EXTRA FOR SCRAPPING/CLEANING/STRAIGH TG. | KG   | 5.26     | 1        | 15.6             | :Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work   |
| 80.      | DEMOLISHING BRICK WORK IN MUD MORTAR     | M3   | 394.96   | 1        | 15.7.1           | :Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In mud mortar                         |
| 90.      | DEMOLISHING OLD BRICK WORK IN LIMEMORTAR | M3   | 997.91   | 1        | 15.7.2           | :Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In lime mortar with old mughal bricks |
| 100.     | DEMOLISHING BRICK WORK IN LIME MORTAR    | M3   | 476.92   | 1        | 15.7.3           | :Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In lime mortar                        |
| 110.     | DEMOLISHING BRICK WORK IN                | M3   | 1,153.89 | 1        | 15.7.4           | :Demolishing brick work manually / by mechanical means  |



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|----------|--|------|----------|----------|-------------------|--|
|          | CEMENT MORTAR                            |      |          |          |                   | including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In cement mortar  |
| 120.     | REMOVING MUD MORTAR FROM BRICKS          | NO   | 2,620.03 | 1        | 15.8.1            | :Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) : From brick work in mud mortar   |
| 130.     | REMOVING LIME MORTAR FROM BRICKS         | NO   | 3,029.61 | 1        | 15.8.2            | :Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) : From brick work in lime mortar  |
| 140.     | REMOVING/CLEANING CEMENT MORTAR          | NO   | 3,796.55 | 1        | 15.8.3            | :Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) : From brick work in cement mortar  |
| 150.     | DEMOLISHING RUBBLE MASONRY IN LIME ..    | M3   | 649.08   | 1        | 15.9.1            | :Demolishing stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge:In lime mortar |
| 160.     | DEMOLISHING RUBBLE MASONRY IN CEMENTMRTR | M3   | 1,377.03 | 1        | 15.9.2            | :Demolishing stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge:In             |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | cement mortar  |
| 170.     | DISMANTLING STONE WORK IN LIME MORTAR     | M3   | 820.90   | 1        | 15.10.1          | :Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually / by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge:In lime mortar   |
| 180.     | DISMANTLING STONE WORK IN CEMENTMORTAR    | M3   | 1,611.18 | 1        | 15.10.2          | :Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually / by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge:In cement mortar |
| 190.     | REMOVINGMORTAR&CLEANING STONEFROMLIMEMRTR | M3   | 269.73   | 1        | 15.11.1          | :Removing mortar from and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured) : In lime mortar  |
| 200.     | REMOVINGMORTAR&CLEANING STONEFROMCEMMRTR  | M3   | 387.85   | 1        | 15.11.2          | :Removing mortar from and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured) : In cement mortar  |
| 210.     | DISMANTLING DOOR ETC OFSIZE3SQM/BELOW     | EA   | 211.76   | 1        | 15.12.1          | :Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below   |

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|----------|--|------|----------|----------|------------------|--|
| 220.     | DISMANTLING DOORS ETC OFSIZE3SQM/BEYOND  | EA   | 290.38   | 1        | 15.12.2          | :Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres                          |
| 230.     | TAKING OUT SHUTTERS OFSIZE3SQM AND BELOW | EA   | 82.41    | 1        | 15.13.1          | :Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area 3 sq. metres and below   |
| 240.     | TAKINGOUT SHUTTERS OFSIZE3SQM AND BEYOND | EA   | 108.84   | 1        | 15.13.2          | :Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area beyond 3 sq. metres  |
| 250.     | DISMANTLEWOODWRK-SECAR40SQCM/ABV(5MHT)   | M3   | 2,574.34 | 1        | 15.14.1          | :"Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead: Of sectional area 40 square centimetres and above. "         |
| 260.     | DISMANTLEWOODWRK-SECAR40SQCMBELOW(5MHT)  | M    | 10.29    | 1        | 15.14.2          | :"Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead: Of sectional area below 40 square centimetres. "             |
| 270.     | EXTRADISMANTLWOODWRKSECA40CM2&ABV-HT>10M | M3   | 347.75   | 1        | 15.15.1          | :Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of one metre or part thereof beyond 10 metres:Of sectional area 40 square centimetres and above.(Measurment:cum per metre span) |

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|----------|--|------|--------|----------|------------------|---|
| 280.     | EXTRADISMANTLWOODWRKSE<br>CA40CM2BELOWHT>10M | M    | 0.98   | 1        | 15.15.2          | :Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of one metre or part thereof beyond 10 metres:Of sectional area below 40 square centimetres.(Measurment:metre per metre span)      |
| 290.     | EXTRADISMANTLWOODWRKSE<br>CA40CM2&ABV-HT>5M  | M3   | 499.04 | 1        | 15.16.1          | :Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres:Of sectional area 40 square centimetres and above.(Measurment:cum per metre height) |
| 300.     | EXTRADISMANTLWOODWRKSE<br>CA40CM2BELOW-HT>5M | M    | 1.96   | 1        | 15.16.2          | :Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres:Of sectional area below 40 square centimetres. (Measurment:metre per metre height)  |
| 310.     | DISMANTLING STEEL WORK IN<br>R.S.JOISTS      | KG   | 1.98   | 1        | 15.17.1          | :Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists  |
| 320.     | DISMANTLING CHANNEL,<br>ANGLE, TEE ETC.      | KG   | 1.34   | 1        | 15.17.2          | :Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats   |
| 330.     | DISMANTLSTLWRK-                              | KG   | 3.28   | 1        | 15.18            | :Dismantling steel work in built up sections in angles, tees,   |

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|----------|---|------|-------|----------|-------------------|---|
|          | BUILTUPSECT-WITHSTACKING                |      |       |          |                   | flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.                         |
| 340.     | DISMANTLSTLWRK-BUILTUPSECT-WITHOUTSTACK | KG   | 2.22  | 1        | 15.19             | :Dismantling steel work manually / by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-Charge. |
| 350.     | EXTRA-DISMT.STEELTRUSS-SPAN BEYOND 10M  | KG   | 0.50  | 1        | 15.20             | :Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres. ( Rate:kg per metre span)      |
| 360.     | EXTRA-DISMT.STEELTRUSS-SPAN BEYOND 5M   | KG   | 0.50  | 1        | 15.21             | :Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres. ( Rate:kg per metre span)     |
| 370.     | EXTRA FOR MARKING STEEL WORK RE-ERECTED | KG   | 2.82  | 1        | 15.22             | :Extra for marking of structural steel work required to be re-erected.  |
| 380.     | DISMANTLING TILE WORK , THK 10-25MM     | M2   | 42.32 | 1        | 15.23.1           | :Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles 10mm to 25mm                      |
| 390.     | DISMANTLING TILE WORK , THK 25-40MM     | M2   | 65.67 | 1        | 15.23.2           | :Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles above 25mm and up to 40mm         |

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|----------|--------------------------------------|------|----------|----------|------------------|---|
| 400.     | DEMOLISHING DRY BRICK PITCHING       | M3   | 738.94   | 1        | 15.24            | :Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead :   |
| 410.     | DISMANTLING STONE SLAB FLOORING      | M2   | 149.65   | 1        | 15.25            | :Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. |
| 420.     | DEMOLISHING BRICK TILE               | M2   | 61.01    | 1        | 15.26            | :Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.          |
| 430.     | DEMOLISHING MUD PHASKA IN TERRACING  | M3   | 512.04   | 1        | 15.27            | :Demolishing mud phaska in terracing and disposal of material within 50 metres lead   |
| 440.     | DISMANTLING ROOFING : G.S.SHEET      | M2   | 94.53    | 1        | 15.28.1          | :Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of:G.S. Sheet                             |
| 450.     | DISMANTLING ROOFING : ASBESTOS SHEET | M2   | 44.36    | 1        | 15.28.2          | :Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of:Asbestos Sheet                         |
| 460.     | DISMANTLING STONE SLAB ROOFING       | M3   | 1,496.45 | 1        | 15.29            | :Dismantling stone slab roofing over wooden karries or R.C.C. battens (dismantling karries and battens to be paid   |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | for separately) including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.   |
| 470.     | DISMANTLING JACK ARCH ROOFING AND FLOORS | M2   | 142.62 | 1        | 15.30            | :Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.                                 |
| 480.     | DISMANTLING TILED ROOFING WITH BATTENS   | M2   | 118.03 | 1        | 15.31            | :Dismantling tiled roofing with battens boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.            |
| 490.     | DEMOLISHING THATCH ROOFING               | M2   | 32.57  | 1        | 15.32            | :Demolishing thatch roofing including mats, bamboo, jaffari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. |
| 500.     | DISMANTLING WOODEN BALLIES               | M    | 11.74  | 1        | 15.33            | :Dismantling wooden ballies in posts and struts including stacking within 50 metres lead.  |
| 510.     | DISMANTLING FENCING OR STRUTS :T /L PIPE | EA   | 141.63 | 1        | 15.34.1          | :Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of:T' or 'L' iron or pipe               |
| 520.     | DISMANTLING FENCING OR STRUTS : RCC BASE | EA   | 156.37 | 1        | 15.34.2          | :Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of:R.C.C.                               |

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|----------|--|------|-------|----------|------------------|--|
| 530.     | CUTTING BALLIES OR WOODEN POSTS          | EA   | 10.97 | 1        | 15.35            | :Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground and stacking the same within 50 metres lead.                           |
| 540.     | DISMANTLING BARBED WIRE OR FLEXIBLE WIRE | KG   | 20.63 | 1        | 15.36            | :Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.   |
| 550.     | DISMANTLING WOODEN TRELLIS WORK          | M2   | 36.83 | 1        | 15.37            | :Dismantling wooden trellis work excluding frames but including stacking the serviceable material within 50 metres lead.   |
| 560.     | DISMANTLING EXPANDED METAL OR I.R.C.     | M2   | 43.06 | 1        | 15.38            | :Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.                        |
| 570.     | DISMANTLING WOODEN BOARDING UPTO 10MMTHK | M2   | 35.08 | 1        | 15.39.1          | :Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead:Up to 10mm thick                |
| 580.     | DISMANTLING BOARDING, THK 10MM TO 25MM   | M2   | 44.74 | 1        | 15.39.2          | :Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead:Thickness above 10mm up to 25mm |
| 590.     | DISMANTLING BOARDING, THK                | M2   | 52.34 | 1        | 15.39.3          | :Dismantling wooden boardings in lining of walls and   |



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|----------|--|------|--------|----------|------------------|--|
|          | 25MM TO 40MM                             |      |        |          |                  | partitions, excluding supporting members but including stacking within 50 metres lead:Thickness above 25mm up to 40mm  |
| 600.     | DISMANTLING PRECAST SLAB, THK UP TO 40MM | M2   | 163.56 | 1        | 15.40.1          | :Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead:Thickness up to 40mm  |
| 610.     | DISMANTLING PRECAST SLAB, THK 40-75MM    | M2   | 245.02 | 1        | 15.40.2          | :Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead:Thickness above 40mm up to 75mm                                   |
| 620.     | DISMANTLING CEILING&PARTITIONS WALLS     | M2   | 32.65  | 1        | 15.41            | :Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. |
| 630.     | DISMANTLING C.I./ASBESTOS PIPE 75 -80MM  | M    | 42.39  | 1        | 15.42.1          | :Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 75 to 80mm dia pipe.                                    |
| 640.     | DISMANTLING C.I./ASBESTOS PIPE 100MM DIA | M    | 43.73  | 1        | 15.42.2          | :Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100mm dia pipe  |
| 650.     | DISMANTLING C.I./ASBESTOS PIPE 150MM DIA | M    | 45.04  | 1        | 15.42.3          | :Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50   |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | metres lead : 150mm dia pipe  |
| 660.     | DISMANTLING MANUALLY :<br>W.B.M. ROAD     | M2   | 123.65 | 1        | 15.43.1           | :Dismantling manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-Charge :Water bound macadam road   |
| 670.     | DISMANTLING MANUALLY :<br>BITUMINOUS ROAD | M2   | 242.04 | 1        | 15.43.2           | :Dismantling manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-Charge :Bituminous road  |
| 680.     | DISMANTLING G.I. PIPES :15MM<br>TO 40MM   | M    | 86.73  | 1        | 15.44.1           | :Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually / by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-Charge:15mm to 40mm nominal bore |
| 690.     | DISMANTLING G.I. PIPES :<br>ABOVE 40MM    | M    | 96.18  | 1        | 15.44.2           | :Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually / by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-Charge:Above 40mm nominal bore   |
| 700.     | DISMANTLING C.I. PIPES:UP TO<br>150MM DIA | M    | 236.62 | 1        | 15.45.1           | :Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually / by   |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-Charge:Up to 150mm diameter  |
| 710.     | DISMANTLING C.I. PIPES: 150-300MM DIA   | M    | 303.97 | 1        | 15.45.2          | :Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-Charge:Above 150mm dia up to 300mm dia     |
| 720.     | DISMANTLING C.I. PIPES: ABOVE 300MM DIA | M    | 392.67 | 1        | 15.45.3          | :Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-Charge:Above 300mm diameter                |
| 730.     | DISMANTLING STEEL R.C. PIPES: UPTO600MM | M    | 376.27 | 1        | 15.46.1          | :Dismantling steel cylinder RC. pipes including excavation and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metres lead as per direction of Engineer-in-Charge:Up to 600mm diameter |
| 740.     | DISMANTLING STEEL R.C                   | M    | 954.60 | 1        | 15.46.2          | :Dismantling steel cylinder RC. pipes including excavation   |

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|----------|--|------|--------|----------|-------------------|--|
|          | PIPE:ABOVE 600MM                       |      |        |          |                   | and refilling trenches after taking out the pipes, manually / by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metres lead as per direction of Engineer-in-Charge:Above 600mm diameter                          |
| 750.     | DISMANTLING ASBESTOS PIPES: UPTO150MM  | M    | 186.09 | 1        | 15.47.1           | :Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes manually / by mechanical means and stacking the pipes within 50 metres lead as per direction of Engineer-in-Charge:Up to 150mm diameter   |
| 760.     | DISMANTLING ASBESTOS PIPE: ABOVE 150MM | M    | 225.89 | 1        | 15.47.2           | :Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes manually / by mechanical means and stacking the pipes within 50 metres lead as per direction of Engineer-in-Charge:Above 150mm diameter   |
| 770.     | TAKING OUT C.I.COVER OF MANHOLE        | EA   | 396.93 | 1        | 15.48             | :Taking out C.I. cover with frame from R.C.C. top slab of manholes of various sizes including demolishing of R.C.C. work manually / by mechanical means and stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead as per direction of Engineer-in-Charge. |
| 780.     | TAKING OUT C.I.COVER OF CHAMBER        | EA   | 232.37 | 1        | 15.49             | :Taking out C.I. cover with frame from R.C.C. top slab of inspection chambers of various sizes including   |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | demolishing of R.C.C. work manually / by mechanical means and stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead as per direction of Engineer-in-Charge.  |
| 790.     | DISMANTLING OF R.C.C. SPUN VENT SHAFT    | EA   | 2,711.75 | 1        | 15.50             | :Dismantling of R.C.C. spun vent shaft including excavating the cement concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 metres lead. |
| 800.     | DISMANTLING OF ROAD GULLY CHAMBER        | EA   | 542.94   | 1        | 15.51             | :Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.               |
| 810.     | DISMANTLING OF FLUSHING CISTERN          | EA   | 545.87   | 1        | 15.52             | :Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.  |
| 820.     | DISMANTLING OF CI SLUICE VALVE:UPTO 150D | EA   | 194.09   | 1        | 15.53.1           | :"Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres Up to 150mm diameter"  |
| 830.     | DISMANTLING OF CI SLUICE VALVE:ABOVE 150 | EA   | 701.30   | 1        | 15.53.2           | :"Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres  |

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|----------|--------------------------------------|------|----------|----------|------------------|---|
|          |                                      |      |          |          |                  | Above 150mm diameter"   |
| 840.     | DISMANTLING OF SPINDLE FIRE HYDRANT  | EA   | 426.10   | 1        | 15.54            | :Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead.  |
| 850.     | DISMANTLING OF PLATFORM:120 X 120 CM | EA   | 618.45   | 1        | 15.55.1          | :"Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead: 120 x 120cm (outside to outside)" |
| 860.     | DISMANTLING OF PLATFORM:210 X 120 CM | EA   | 948.67   | 1        | 15.55.2          | :"Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead: 210 x 120cm (outside to outside)" |
| 870.     | DISMANTLING OF PLATFORM:320 X 120 CM | EA   | 1,342.59 | 1        | 15.55.3          | :"Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead: 320 x 120cm (outside to outside)" |
| 880.     | DISMANTLING OLD PLASTER OR SKIRTING  | M2   | 30.92    | 1        | 15.56            | :Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.  |

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|------------------------------------|--|------|----------|----------|-------------------|---|
| 890.                               | DISMANTLING ALUMINIUM/GYPSUM PARTITIONS  | M2   | 32.66    | 1        | 15.57             | :Dismantling aluminium / Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-Charge.                |
| 900.                               | DEMOLISHCC/RCCWORK(DISPOSED 1000M LEAD)  | M3   | 1,760.45 | 1        | 15.58             | :Demolishing C.C. / R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1000m, stacking serviceable and unserviceable material separately including cutting reinforcement bars.      |
| 910.                               | DISMANTLING OF FLEXIBLE PAVEMENT         | M3   | 260.08   | 1        | 15.59             | :Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1000 metres, as per direction of Engineer-in-Charge.   |
| 920.                               | Disposal of building rubbish, malba etc. | M3   | 215.52   | 1        | 15.60             | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved. |
| <b>16 : ROAD WORK</b>              |  |      |          |          |                   |   |
| <b>17 : SANITARY INSTALLATIONS</b> |  |      |          |          |                   |   |
|                                    |  |      |          |          |                   |   |

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|----------|---|------|----------|----------|-------------------|--|
| 10.      | FIXING ORISSA PATTERN W.C.PAN 580X440MM | EA   | 2,168.44 | 1        | 17.1.1            | :Fixing water closet squatting pan (Indian type W.C. pan) with 100mm Sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.                            |
| 20.      | FIXING ORISSA PATTERN W.C.PAN 585X480MM | EA   | 2,168.44 | 1        | 17.1.2            | :Fixing water closet squatting pan (Indian type W.C. pan) with 100mm Sand Cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480mm with flush pipe and integrated type foot rests. |
| 30.      | FIXING EUROPEAN TYPE WCPAN,WHITE SEAT   | EA   | 2,168.44 | 1        | 17.2.1            | :Fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid   |
| 40.      | FIXING EUROPEAN TYPE                    | EA   | 2,168.44 | 1        | 17.2.2            | :Fixing white vitreous china pedestal type water closet  |



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|----------|--|------|----------|----------|------------------|--|
|          | WCPAN,BLACK SEAT                         |      |          |          |                  | (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked black solid plastic seat and lid   |
| 50.      | FIXING EUROPEAN W.C.PAN,WHITE SEAT & LID | EA   | 2,618.01 | 1        | 17.3.1           | :Fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid. |
| 60.      | FIXING EUROPEAN W.C.PAN,BLACK SEAT & LID | EA   | 2,618.01 | 1        | 17.3.2           | :Fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required: W.C. pan with ISI marked black solid plastic seat and lid. |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 70.      | FIXING ONE URINAL BASIN WITH 5LT CISTERN | EA   | 2,608.19 | 1        | 17.4.1            | :Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: One urinal basin with 5 litre white P.V.C. automatic flushing cistern.           |
| 80.      | FIXING TWO URINAL BASINS WITH 5L CISTERN | EA   | 3,975.52 | 1        | 17.4.2            | :Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern. |
| 90.      | FIXING 3URINAL BASINS WITH 10L CISTERN   | EA   | 5,525.60 | 1        | 17.4.3            | :Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:  |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern.  |
| 100.     | FIXING FOUR URINAL BASIN WITH 10L CISTER | EA   | 7,953.03 | 1        | 17.4.4            | :Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern.   |
| 110.     | FIXING SINGLE HALFSTALL URINAL WITH 5L   | EA   | 5,722.10 | 1        | 17.5.1            | :Fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: Single half stall urinal with 5 litre PVC. automatic flushing cistern. |
| 120.     | FIXING TWO HALF STALL URINAL WITH 5L     | EA   | 8,440.28 | 1        | 17.5.2            | :Fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with   |

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|----------|---|------|-----------|----------|------------------|---|
|          |   |      |           |          |                  | waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: Range of two half stall urinals with 5 litre PVC. automatic flushing cistern.  |
| 130.     | FIXING THREE HALF STALL URINAL WITH 10L | EA   | 9,955.44  | 1        | 17.5.3           | :Fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: Range of three half stall urinals with 10 litre PVC. automatic flushing cistern. |
| 140.     | FIXING FOUR HALF STALL URINALS WITH 10L | EA   | 11,505.20 | 1        | 17.5.4           | :Fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required: Range of four half stall urinals with 10 litre PVC. automatic flushing cistern.  |
| 150.     | FIXING SINGLE SQUATING                  | EA   | 4,071.69  | 1        | 17.6.1           | :Fixing one piece construction white vitreous china   |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|----------|----------|------------------|---|
|          | PLATE WITH 5L                         |      |          |          |                  | squatting plate with an integral longitudinal flushing pipe, white PVC. automatic flushing cistern, with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required: Single squatting plate with 5 litre PVC. automatic flushing cistern.  |
| 160.     | FIXING TWO SQUATING PLATES WITH 5L    | EA   | 5,567.98 | 1        | 17.6.2           | :Fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white PVC. automatic flushing cistern, with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required: Range of two squatting plates with 5 litre PVC. automatic flushing cistern. |
| 170.     | FIXING THREE SQUATING PLATES WITH 10L | EA   | 7,071.48 | 1        | 17.6.3           | :Fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white PVC. automatic flushing cistern, with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required: Range of three squatting plates with 10                                     |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | litre PVC. automatic flushing cistern.   |
| 180.     | FIXING FOUR SQUATING PLATES WITH 10L    | EA   | 8,123.70 | 1        | 17.6.4           | :Fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white PVC. automatic flushing cistern, with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required: Range of four squatting plates with 10 litre PVC automatic flushing cistern. |
| 190.     | FIXING BASIN WITH A PAIR OF PILLAR TAPS | EA   | 1,120.13 | 1        | 17.7.1           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450mm with a pair of 15mm C. P. brass pillar taps.  |
| 200.     | FIXING BASIN630X450MM WITH A PILLAR TAP | EA   | 1,072.02 | 1        | 17.7.2           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450mm with a single 15mm C.P. brass pillar tap.   |
| 210.     | FIXING BASIN 550X400MM &                | EA   | 1,120.13 | 1        | 17.7.3           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass   |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|----------|----------|-------------------|---|
|          | PAIR PILLAR TAP                       |      |          |          |                   | pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400mm with a pair of 15mm C.P. brass pillar taps.   |
| 220.     | FIXING BASIN 550X400MM & A PILLAR TAP | EA   | 1,072.02 | 1        | 17.7.4            | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Flat back wash basin size 550x400mm with single 15mm C.P. brass pillar tap.  |
| 230.     | FIXING BASIN 600X480MM & A PILLAR TAP | EA   | 1,072.02 | 1        | 17.7.5            | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Angle back wash basin size 600x480mm with single 15mm C.P. brass pillar tap. |
| 240.     | FIXING BASIN 400X400MM & A PILLAR TAP | EA   | 1,072.02 | 1        | 17.7.6            | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Angle back wash basin size 400x400mm with single 15mm C.P. brass pillar tap. |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 250.     | FIXING BASIN 450X300MM & A PILLAR TAP    | EA   | 1,072.02 | 1        | 17.7.7           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Flat back wash basin size 450x300mm with single 15mm C.P. brass pillar tap.   |
| 260.     | FIXING BASIN 660X460MM &APAIR PILLAR TAP | EA   | 1,120.13 | 1        | 17.7.8           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Surgeon type wash basin of size 660x460mm with a pair of 15mm C.P. brass pillar taps with elbow operated levers.        |
| 270.     | FIXING BASIN 660X5460MM & A PILLAR TAP   | EA   | 1,072.02 | 1        | 17.7.9           | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Surgeon type wash basin of size 660x460mm with single 15mm CP. brass pillar taps with elbow operated levers ISI marked. |
| 280.     | FIXING BASIN 405X355MM & A PILLAR TAP    | EA   | 1,072.02 | 1        | 17.7.10          | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:Stainless Steel  |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | AISI-304(18/8) Round basin 405x355mm with single 15mm C.P. brass pillar tap.  |
| 290.     | FIXING BASIN 530X345MM & A PILLAR TAP   | EA   | 1,072.02 | 1        | 17.7.11          | :Fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps,32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:Stainless Steel AISI-304(18/8) Wash basin 530x345mm with single 15mm C.P. brass pillar tap. |
| 300.     | FIXING VITREOUS CHINA PEDESTAL          | EA   | 212.85   | 1        | 17.8             | :Fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.   |
| 310.     | FIXING FIRE CLAY SINK 600X450X250MM     | EA   | 965.16   | 1        | 17.9.1           | :Fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required:White glazed fire clay kitchen sink of size 600x450x250mm.                                  |
| 320.     | FIXING STAINLESS STEEL SINK,250MM DEPTH | EA   | 1,333.20 | 1        | 17.10.1.1        | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink with drain board :510x1040mm bowl depth 250mm.                       |
| 330.     | FIXING STAINLESS STEEL                  | EA   | 1,333.20 | 1        | 17.10.1.2        | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
|          | SINK,225MM DEPTH                        |      |          |          |                   | IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink with drain board :510x1040mm bowl depth 225mm.  |
| 340.     | FIXING STAINLESS STEEL SINK,200MM DEPTH | EA   | 1,333.20 | 1        | 17.10.1.3         | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink with drain board :510x1040mm bowl depth 200mm.   |
| 350.     | FIXING STAINLESS STEEL SINK,178MM DEPTH | EA   | 1,333.20 | 1        | 17.10.1.4         | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink with drain board :510x1040mm bowl depth 178mm.   |
| 360.     | FIXING STAINLESS STEEL SINK,200MM DEPTH | EA   | 923.00   | 1        | 17.10.2.1         | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board :610x510mm bowl depth 200mm. |
| 370.     | FIXING STAINLESS STEEL SINK,200MM DEPTH | EA   | 923.00   | 1        | 17.10.2.2         | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink  |

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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | without drain board :610x460mm bowl depth 200mm.  |
| 380.     | FIXING STAINLESS STEEL SINK,178MM DEPTH | EA   | 923.00 | 1        | 17.10.2.3        | :Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required:Kitchen sink without drain board :470x420mm bowl depth 178mm.                         |
| 390.     | FIXING LAB SINK 450X300X150MM           | EA   | 965.16 | 1        | 17.11.1          | :Fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required:Size 450x300x150mm |
| 400.     | FIXING LAB SINK 600X450X200MM           | EA   | 965.16 | 1        | 17.11.2          | :Fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required:Size 600x450x200mm |
| 410.     | FIXING DRAINING BOARD                   | EA   | 442.62 | 1        | 17.12.1          | :Fixing draining board with C.I. brackets including painting of brackets, cutting and making good the walls wherever required:White glazed fire clay draining board of size 600x450x25mm  |

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|----------|--|------|--------|----------|-------------------|--|
| 420.     | FIXING SQUATING PAN, LONG PATTERN, 580MM | EA   | 775.41 | 1        | 17.13.1           | :Fixing white vitreous china water closet squatting pan (Indian type) Long pattern W.C. pan of size 580mm  |
| 430.     | FIXING SQUATING PAN, ORISSA PATTERN      | EA   | 775.41 | 1        | 17.13.2           | :Fixing white vitreous china water closet squatting pan (Indian type) Orissa pattern W.C. pan of size 580x440mm  |
| 440.     | EXTRA FOR COLOURED SQT. PAN ORISSA TYPE  | EA   |        | 1        | 17.14.1           | :Extra for using coloured W.C. pan instead of white W.C. pan Orissa pattern W.C. pan 580x440mm   |
| 450.     | FIXING PEDESTAL TYPE WC-WHITE-EUROPEAN   | EA   | 775.41 | 1        | 17.15             | :Fixing white vitreous china pedestal type (European type / wash down type) water closet pan.  |
| 460.     | EXTRA FOR COLOURED WC PAN-EUROPEAN       | EA   |        | 1        | 17.16             | :Extra for using coloured pedestal type WC pan (European type) with low level cistern of same colour instead of white vitreous china WC pan and cistern.                             |
| 470.     | FIXING FOOT REST, 250X130X30MM           | PAA  | 70.67  | 1        | 17.17.1           | :Fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet: 250x130x30mm   |
| 480.     | FIXING FOOT REST, 250X125X25MM           | PAA  | 70.67  | 1        | 17.17.2           | :Fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet: 250x125x25mm   |
| 490.     | FIXING P.V.C LOW LEVEL CISTERN           | EA   | 189.82 | 1        | 17.18.1           | :Fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White |

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|----------|--|------|--------|----------|------------------|---|
| 500.     | FIXING PVC LOW LEVEL COLOURED CISTERN          | EA   | 194.64 | 1        | 17.18.2          | :Fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - coloured |
| 510.     | FIXING CONTROLLED CISTERN,WHITE                | EA   | 740.09 | 1        | 17.19.1          | :Fixing controlled flush, low level cistern made of vitreous china with all fittings complete. 10 litre (full flush) capacity-white   |
| 520.     | FIXING CONTROLLED CISTERN,COLOURED             | EA   | 740.09 | 1        | 17.19.2          | :Fixing controlled flush, low level cistern made of vitreous china with all fittings complete. 10 litre (full flush) capacity-coloured  |
| 530.     | FIXING WHITE PLASTIC SEAT FOR W.C.PAN          | EA   | 35.31  | 1        | 17.20.1          | :Fixing solid plastic seat with lid for pedestal type W.C. pan complete: White solid plastic seat with lid  |
| 540.     | FIXING BLACK PLASTIC SEAT FOR W.C.PAN          | EA   | 35.31  | 1        | 17.20.2          | :Fixing solid plastic seat with lid for pedestal type W.C. pan complete: Black solid plastic seat with lid  |
| 550.     | EXTRA FOR COLOURED SEAT COVER IN EUROPEAN W.C. | EA   | 35.31  | 1        | 17.21            | :Extra for Laying coloured other than black solid P.V.C. plastic seat and cover in European type W.C. pan, instead of white plastic seat and cover.                                     |
| 560.     | GI INLET TO FLUSH PIPE CONNECTION              | EA   | 35.31  | 1        | 17.22            | :Fixing G.I. inlet connection for flush pipe connecting with W.C. pan.  |

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|----------|--|------|----------|----------|------------------|---|
|          | G WC PAN                                 |      |          |          |                  |   |
| 570.     | FIXING FLATBACK/WALL CORNER URINAL BASIN | EA   | 560.40   | 1        | 17.23            | :Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively.           |
| 580.     | FIXING VITREOUS CHINA SQ. PLATE URINAL   | EA   | 1,472.66 | 1        | 17.24            | :Fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.  |
| 590.     | FIXING FLAT BACK BASIN 630X450MM         | EA   | 166.92   | 1        | 17.25.1          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Flat back wash basin of size 630x450mm.  |
| 600.     | FIXING FLAT BACK BASIN 550X400MM         | EA   | 166.92   | 1        | 17.25.2          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Flat back wash basin of size 550x400mm.  |
| 610.     | FIXING ANGLE BACK BASIN 600X480MM        | EA   | 166.92   | 1        | 17.25.3          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Angle back wash basin of size 600x480mm. |
| 620.     | FIXING ANGLE BACK BASIN 400X400MM        | EA   | 166.92   | 1        | 17.25.4          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Angle back wash basin of size 400x400mm. |
| 630.     | FIXING ANGLE BACK BASIN 450X300MM        | EA   | 166.92   | 1        | 17.25.5          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Flat back                                |

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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | wash basin of size 450x300mm.   |
| 640.     | FIXING SURGEON BASIN<br>660X460MM      | EA   | 166.92 | 1        | 17.25.6          | :Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Surgeon type wash basin of size 660x460mm. |
| 650.     | FIXING KITCHEN SINK<br>600X450X250MM   | EA   | 135.04 | 1        | 17.26.1          | :Fixing kitchen sink including making all connections excluding cost of fittings. White glazed fire clay sink of size 600x450x250mm.                    |
| 660.     | FIXING LABORATORY<br>SINK450X300X150MM | EA   | 135.04 | 1        | 17.27.1          | :Fixing white vitreous china laboratory sink including making all connections excluding cost of fittings: Size 450x300x150mm.                           |
| 670.     | FIXING LABORATORY<br>SINK600X450X200MM | EA   | 135.04 | 1        | 17.27.2          | :Fixing white vitreous china laboratory sink including making all connections excluding cost of fittings: Size 600x450x200mm.                           |
| 680.     | SEMIRIGID PVC<br>WASTEPIPE32MM DIA     | EA   | 53.48  | 1        | 17.28.1.1        | :Fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Semi rigid pipe :32mm dia                                      |
| 690.     | SEMIRIGID PVC WASTE PIPE<br>40MM DIA   | EA   | 53.48  | 1        | 17.28.1.2        | :Fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Semi rigid pipe :40mm dia                                      |
| 700.     | PVC FLEXIBLE WASTE<br>PIPE,32MM DIA    | EA   | 53.48  | 1        | 17.28.2.1        | :Fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Flexible pipe: 32mm dia  |

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|----------|-------------------------------------|------|--------|----------|-------------------|--|
| 710.     | PVC FLEXIBLE WASTE PIPE,40MM        | EA   | 53.48  | 1        | 17.28.2.2         | :Fixing P.V.C. waste pipe for sink or wash basin including PVC. waste fittings complete. Flexible pipe: 40mm dia   |
| 720.     | SAND CAST IRON GRATING-GULLYTRAP    | EA   | 10.96  | 1        | 17.29             | :Fixing 100mm sand cast Iron grating for gully trap.   |
| 730.     | FIXING MOSQUITO PROOF COUPLING      | EA   | 4.80   | 1        | 17.30             | :Fixing in position 25mm diameter mosquito proof coupling of approved municipal design.  |
| 740.     | FIXING 600X450MM MIRROR-BEVELEDGE   | EA   | 492.32 | 1        | 17.31             | :Fixing 600x450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.                |
| 750.     | 6MM THICK MIRROR,CIRCULAR:450MM DIA | EA   | 433.68 | 1        | 17.32.1           | :Fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing: Circular shape 450mm dia.   |
| 760.     | FIXING MIRROR,RECTANGULAR:453X357MM | EA   | 433.68 | 1        | 17.32.2           | :Fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing: Rectangular shape 453x357mm |
| 770.     | FIXING MIRROR, OVAL, 450X350MM      | EA   | 433.68 | 1        | 17.32.3           | :Fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of  |



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| Item No. | Description                          | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--------------------------------------|------|--------|----------|-------------------|--|
|          |                                      |      |        |          |                   | approved make and shade with 6mm thick hard board backing:Oval shape 450x350mm (outer dimensions)  |
| 780.     | FIXING MIRROR,RECTANGULAR:1500X450MM | EA   | 433.68 | 1        | 17.32.4           | :Fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6mm thick hard board backing:Rectangular shape 1500x450mm |
| 790.     | FIXING GLASS SHELF 600X120X5MM       | EA   | 328.35 | 1        | 17.33             | :Fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws, rawl plugs etc., complete.   |
| 800.     | TOILET PAPER HOLDER:CP BRASS         | EA   | 192.98 | 1        | 17.34.1           | :Fixing toilet paper holder: C.P. brass  |
| 810.     | TOILET PAPER HOLDER:VITREOUS CHINA   | EA   | 192.98 | 1        | 17.34.2           | :Fixing toilet paper holder: Vitreous china  |
| 820.     | FIXING SOIL,WASTE VENT PIPES,IS:1729 | M    | 76.58  | 1        | 17.35.1.1         | :Fixing soil, waste and vent pipes: 100mm dia.Sand cast iron S&S pipe as per IS: 1729.   |
| 830.     | FIXING VENT PIPE:100MM DIA,IS:3989   | M    | 78.85  | 1        | 17.35.1.2         | :Fixing soil, waste and vent pipes: 100mm dia.Centrifugally cast (spun) iron socketed pipe as per IS: 3989.  |
| 840.     | FIXING VENT PIPE:75MM DIA,IS:1729    | M    | 65.08  | 1        | 17.35.2.1         | :Fixing soil, waste and vent pipes: 75mm diameter:Sand cast iron S&S pipe as per IS: 1729.   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 850.     | FIXING SOIL,WASTE VENT PIPES,IS:3989    | M    | 67.00  | 1        | 17.35.2.2         | :Fixing soil, waste and vent pipes: 75mm diameter:Centrifugally cast (spun) iron socketed pipe as per IS: 3989.  |
| 860.     | FILLING JOINTS IN SCI/CI PIPE:75MM DIA  | EA   | 103.16 | 1        | 17.36.1           | :Filling the joints with spun yarn cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I. / C.I. Pipes:75mm dia pipe  |
| 870.     | FILLING JOINTS IN SCI/CI PIPE:100MM DIA | EA   | 121.55 | 1        | 17.36.2           | :Filling the joints with spun yarn cement slurry and cement mortar 1:2 ( 1 cement : 2 fine sand) in S.C.I. / C.I. Pipes:100mm dia pipe   |
| 880.     | MS HOLDER-BAT CLAMPFOR100MM DIA PIPE    | EA   | 188.31 | 1        | 17.37.1           | :Fixing M.S. holder-bat clamps of approved design to Sand Cast Iron / Cast Iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :For 100mm dia. Pipe |
| 890.     | MS HOLDER-BAT CLAMP FOR 75MM DIA PIPE   | EA   | 188.31 | 1        | 17.37.2           | :Fixing M.S. holder-bat clamps of approved design to Sand Cast Iron / Cast Iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. :For 75mm dia. Pipe  |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|-------|----------|------------------|--|
| 900.     | BENDWITHFITTINGSFOR100MM DIA PIPE,IS-1729 | EA   | 35.65 | 1        | 17.38.1.1        | :Fixing bend of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete100mm:Sand cast iron S&S as per IS - 1729    |
| 910.     | BENDWITHFITTINGSFOR100MM DIA PIPE,IS-3989 | EA   | 35.65 | 1        | 17.38.1.2        | :Fixing bend of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete100mm:Sand cast iron S&S as per IS - 3989    |
| 920.     | BENDWITHFITTINGSFOR75MMDI APIPE,IS-1729   | EA   | 28.44 | 1        | 17.38.2.1        | :Fixing bend of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete75mm dia:Sand cast iron S&S as per IS - 1729 |
| 930.     | BENDWITHFITTINGSFOR75MMDI A PIPE,IS-3989  | EA   | 28.44 | 1        | 17.38.2.2        | :Fixing bend of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete75mm dia:Sand cast iron S&S as per IS- 3989  |
| 940.     | PLAIN BEND FOR100MM DIA PIPE              | EA   | 35.65 | 1        | 17.39.1.1        | :Fixing plain bend of required degree. 100mm:Sand cast iron S&S as per IS - 1729   |
| 950.     | PLAIN BEND FOR100MM DIA PIPE              | EA   | 35.65 | 1        | 17.39.1.2        | :Fixing plain bend of required degree. 100mm:Sand cast iron S&S as per IS : 3989   |
| 960.     | PLAIN BEND FOR 75MM DIA PIPE              | EA   | 28.44 | 1        | 17.39.2.1        | :Fixing plain bend of required degree. 75mm: Sand cast iron S&S as per IS -1729  |
| 970.     | PLAIN BEND FOR 75MM DIA PIPE              | EA   | 28.44 | 1        | 17.39.2.2        | :Fixing plain bend of required degree. 75mm: Sand cast   |

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| Item No. | Description                                  | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
|          |  |      |       |          |                   | iron S&S as per IS - 3989  |
| 980.     | HEEL REST<br>SANITARYBEND100MM DIA           | EA   | 35.65 | 1        | 17.40.1.1         | :Fixing heel rest sanitary bend 100mm dia:Sand cast iron S&S as per IS - 1729  |
| 990.     | HEEL REST<br>SANITARYBEND100MM DIA           | EA   | 35.65 | 1        | 17.40.1.2         | :Fixing heel rest sanitary bend 100mm dia:Sand cast iron S&S as per IS - 3989  |
| 1000.    | HEEL REST SANITARY<br>BEND75MM DIA           | EA   | 28.44 | 1        | 17.40.2.1         | :Fixing heel rest sanitary bend 75mm :Sand cast iron S&S as per IS - 1729  |
| 1010.    | HEEL REST SANITARYBEND<br>75MM DIA           | EA   | 28.44 | 1        | 17.40.2.2         | :Fixing heel rest sanitary bend 75mm :Sand cast iron S&S as per IS - 3989  |
| 1020.    | DOUBLEEQJUNCTION100X100X1<br>00X100MM-IS1729 | EA   | 35.31 | 1        | 17.41.1.1         | :Fixing double equal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:100x100x100x100mm :Sand cast iron S&S as per IS - 1729 |
| 1030.    | DOUBLEEQJUNCTION100X100X1<br>00X100MM-IS3989 | EA   | 35.31 | 1        | 17.41.1.2         | :Fixing double equal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:100x100x100x100mm :Sand cast iron S&S as per IS - 3989 |
| 1040.    | DOUBLEEQJUNCTION75X75X75X<br>75MM-IS1729     | EA   | 28.44 | 1        | 17.41.2.1         | :Fixing double equal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and  |

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| Item No. | Description                                  | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | nuts complete:75x75x75x75mm:Sand cast iron S&S as per IS - 1729   |
| 1050.    | DOUBLEEQJUNCTION<br>75X75X75X75MM-IS3989     | EA   | 28.44 | 1        | 17.41.2.2        | :Fixing double equal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:75x75x75x75mm:Sand cast iron S&S as per IS - 3989       |
| 1060.    | PLAINDOUBLJUNCTION100X100X<br>100X100-IS1729 | EA   | 35.65 | 1        | 17.42.1.1        | :Fixing double equal plain junction of required degree. 100x100x100x100mm:Sand cast iron S&S as per IS - 1729   |
| 1070.    | PLAINDOUBLEUNCTION100X100<br>X100X100-IS3989 | EA   | 35.65 | 1        | 17.42.1.2        | :Fixing double equal plain junction of required degree. 100x100x100x100mm:Sand cast iron S&S as per IS - 3989   |
| 1080.    | PLAINDOUBLEJUNCTION75X75X<br>75X75MM-IS1729  | EA   | 28.44 | 1        | 17.42.2.1        | :Fixing double equal plain junction of required degree. 75x75x75x75mm:Sand cast iron S&S as per IS - 1729   |
| 1090.    | PLAINDOUBLJUNCTION75X75X75<br>X75MM-IS3989   | EA   | 28.44 | 1        | 17.42.2.2        | :Fixing double equal plain junction of required degree. 75x75x75x75mm:Sand cast iron S&S as per IS - 3989   |
| 1100.    | EQUALPLAINJUNCTION100X100X<br>100MM-IS1729   | EA   | 35.65 | 1        | 17.43.1.1        | :Fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.100x100x100mm:Sand cast iron S&S as per IS - 1729 |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
| 1110.    | EQUALPLAINJUNCTION100X100X100MM-IS3989    | EA   | 35.65 | 1        | 17.43.1.2         | :Fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.100x100x100mm:Sand cast iron S&S as per IS - 3989 |
| 1120.    | EQUALPLAINJUNCTION75X75X75MM-IS1729       | EA   | 28.44 | 1        | 17.43.2.1         | :Fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.75x75x75mm:Sand cast iron S&S as per IS - 1729    |
| 1130.    | EQUALPLAINJUNCTION75X75X75MM-IS3989       | EA   | 28.44 | 1        | 17.43.2.2         | :Fixing single equal plain junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.75x75x75mm:Sand cast iron S&S as per IS - 3989    |
| 1140.    | SINGLEQLPLAINJUNCTION100X100X100MM-IS1729 | EA   | 35.65 | 1        | 17.44.1.1         | :Fixing single equal plain junction of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 1729   |
| 1150.    | SINGLEQLPLAINJUNCTION100X100X100MM-IS3989 | EA   | 35.65 | 1        | 17.44.1.2         | :Fixing single equal plain junction of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 3989   |
| 1160.    | SINGLEQLPLAINJUNCTION75X75X75MM-IS1729    | EA   | 28.44 | 1        | 17.44.2.1         | :Fixing single equal plain junction of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 1729  |
| 1170.    | SINGLEQLPLAINJUNCTION75X75X75MM-IS3989    | EA   | 28.44 | 1        | 17.44.2.2         | :Fixing single equal plain junction of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 3989  |

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|----------|---|------|-------|----------|------------------|---|
| 1180.    | DOUBLEUNEQLJUNCTION100X100X75X75-IS1729   | EA   | 35.65 | 1        | 17.45.1.1        | :Fixing double unequal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:100x100x75x75mm:Sand cast iron S&S as per IS - 1729 |
| 1190.    | DOUBLEUNEQLJUNCTION100X100X75X75-IS3989   | EA   | 35.65 | 1        | 17.45.1.2        | :Fixing double unequal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:100x100x75x75mm:Sand cast iron S&S as per IS - 3989 |
| 1200.    | DBLUNEQPLAIN JUNCTION100X100X75X75-IS1729 | EA   | 35.65 | 1        | 17.46.1.1        | :Fixing double unequal plain junction of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 1729   |
| 1210.    | DBLUNEQPLAIN JUNCTION100X100X75X75-IS3989 | EA   | 35.65 | 1        | 17.46.1.2        | :Fixing double unequal plain junction of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 3989   |
| 1220.    | SINGLUNEQ JUNCTION100X100X75MM-IS1729     | EA   | 35.65 | 1        | 17.47.1.1        | :Fixing double unequal plain junction of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 3989   |
| 1230.    | SINGLUNEQ JUNCTION100X100X75MM-IS3989     | EA   | 35.65 | 1        | 17.47.1.2        | :Fixing single unequal junction of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete:100x100x75mm:Sand cast iron S&S as per IS - 3989    |
| 1240.    | SINGLUNEQPLAINJUNCTION100X100X75-IS1729   | EA   | 35.65 | 1        | 17.48.1.1        | :Fixing single unequal plain junction of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 1729  |

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|----------|--|------|-------|----------|------------------|--|
| 1250.    | SINGLUNEQPLAINJUNCTION100X100X75-IS3989  | EA   | 35.65 | 1        | 17.48.1.2        | :Fixing single unequal plain junction of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 3989         |
| 1260.    | DBLEQPLNINVRTBRNCH100X100X100X100-IS1729 | EA   | 35.65 | 1        | 17.49.1.1        | :Fixing double equal plain invert branch of required degree: 100x100x100x100mm:Sand cast iron S&S as per IS - 1729 |
| 1270.    | DBLEQPLNINVRTBRNCH100X100X100X100-IS3989 | EA   | 35.65 | 1        | 17.49.1.2        | :Fixing double equal plain invert branch of required degree: 100x100x100x100mm:Sand cast iron S&S as per IS 3989   |
| 1280.    | DBLEQPLAININVRTBRNCH75X75X75X75MM-IS1729 | EA   | 28.44 | 1        | 17.49.2.1        | :Fixing double equal plain invert branch of required degree: 75x75x75x75mm :Sand cast iron S&S as per IS - 1729    |
| 1290.    | DBLEQPLAININVRTBRNCH75X75X75X75MM-IS3989 | EA   | 28.44 | 1        | 17.49.2.2        | :Fixing double equal plain invert branch of required degree: 75x75x75x75mm :Sand cast iron S&S as per IS - 3989    |
| 1300.    | SINGLEQLINVRTBRANCH100X100X100-IS1729    | EA   | 35.65 | 1        | 17.50.1.1        | :Fixing single equal plain invert branch of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 1729     |
| 1310.    | SINGLEQLINVRTBRANCH100X100X100-IS3989    | EA   | 35.65 | 1        | 17.50.1.2        | :Fixing single equal plain invert branch of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 3989     |
| 1320.    | SINGLEQLPLAININVRTBRANCH7                | EA   | 28.44 | 1        | 17.50.2.1        | :Fixing single equal plain invert branch of required degree:   |



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|----------|--|------|-------|----------|------------------|---|
|          | 5X75X75-IS1729                               |      |       |          |                  | 75x75x75mm:Sand cast iron S&S as per IS - 1729  |
| 1330.    | SINGLEQLPLAININVRTBRANCH7<br>5X75X75-IS3989  | EA   | 28.44 | 1        | 17.50.2.2        | :Fixing single equal plain invert branch of required degree:<br>75x75x75mm:Sand cast iron S&S as per IS - 3989        |
| 1340.    | DBLUNEQL<br>INVRTBRANCH100X100X75-<br>IS1729 | EA   | 35.65 | 1        | 17.51.1.1        | :Fixing double unequal invert branch of required degree:<br>100x100x75x75mm:Sand cast iron S&S as per IS - 1729       |
| 1350.    | DBLUNEQL<br>INVRTBRANCH100X100X75-<br>IS3989 | EA   | 35.65 | 1        | 17.51.1.2        | :Fixing double unequal invert branch of required degree:<br>100x100x75x75mm:Sand cast iron S&S as per IS - 3989       |
| 1360.    | SINGLUNEQLPLNINVRTBRNCH10<br>0X100X75-IS1729 | EA   | 35.65 | 1        | 17.52.1.1        | :Fixing single unequal plain invert branch of required<br>degree: 100x100x75mm:Sand cast iron S&S as per IS -<br>1729 |
| 1370.    | SINGLUNEQLPLNINVRTBRNCH10<br>0X100X75-IS3989 | EA   | 35.65 | 1        | 17.52.1.2        | :Fixing single unequal plain invert branch of required<br>degree: 100x100x75mm:Sand cast iron S&S as per IS -<br>3989 |
| 1380.    | CAST IRON S&S 76 MM<br>OFFSET:75MMDIAPIPE    | EA   | 28.44 | 1        | 17.53.1.1        | :Fixing sand cast iron S&S off sets as per IS: 1729 :76mm<br>off sets:With 75mm dia. pipe                             |
| 1390.    | CAST IRON S&S 76 MM<br>OFFSET:100MMDIAPIPE   | EA   | 28.44 | 1        | 17.53.1.2        | :Fixing sand cast iron S&S off sets as per IS: 1729 :76mm<br>off sets:With 100mm dia. pipe                            |
| 1400.    | CAST IRON S&S 114 MM                         | EA   | 35.65 | 1        | 17.53.2.1        | :Fixing sand cast iron S&S off sets as per IS: 1729   |

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|----------|---|------|-------|----------|-------------------|---|
|          | OFFSET:75MMDIAPIPE                          |      |       |          |                   | :114mm off sets:With 75mm dia. pipe   |
| 1410.    | CAST IRON S&S 114 MM<br>OFFSET:100MMDIAPIPE | EA   | 35.65 | 1        | 17.53.2.2         | :Fixing sand cast iron S&S off sets as per IS: 1729<br>:114mm off sets:With 100mm dia. Pipe                                   |
| 1420.    | CAST IRON S&S 152 MM<br>OFFSET:75MMDIAPIPE  | EA   | 47.30 | 1        | 17.53.3.1         | :Fixing sand cast iron S&S off sets as per IS: 1729<br>:152mm off sets:With 75mm dia. Pipe                                    |
| 1430.    | CAST IRON S&S 152 MM<br>OFFSET:100MMDIAPIPE | EA   | 47.30 | 1        | 17.53.3.2         | :Fixing sand cast iron S&S off sets as per IS: 1729<br>:152mm off sets:wifh 100mm dia. Pipe                                   |
| 1440.    | CAST IRON S&S 75 MM<br>OFFSET:75MMDIAPIPE   | EA   | 28.44 | 1        | 17.54.1.1         | :Fixing sand cast iron S&S off sets as per IS: 3989. 75mm<br>off sets:With 75mm dia. pipe                                     |
| 1450.    | CAST IRON S&S 150 MM<br>OFFSET:75MMDIAPIPE  | EA   | 42.50 | 1        | 17.54.2.1         | :Fixing sand cast iron S&S off sets as per IS: 3989.<br>150mm off sets:With 75mm dia. pipe                                    |
| 1460.    | CAST IRON S&S 150 MM<br>OFFSET:100MMDIAPIPE | EA   | 42.50 | 1        | 17.54.2.2         | :Fixing sand cast iron S&S off sets as per IS: 3989.<br>150mm off sets:With 100mm dia. Pipe                                   |
| 1470.    | 100MMDOORPCWASHERBLTNUT<br>COMPLETE,IS:1729 | EA   | 35.65 | 1        | 17.55.1.1         | :Fixing door piece, insertion rubber washer 3mm thick,<br>bolts & nuts complete: 100mm:Sand cast iron S&S as per<br>IS - 1729 |
| 1480.    | 100MMDOORPCWASHERBLTNUT<br>COMPLTIE,IS:3989 | EA   | 35.65 | 1        | 17.55.1.2         | :Fixing door piece, insertion rubber washer 3mm thick,<br>bolts & nuts complete: 100mm:Sand cast iron S&S as per              |

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|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | IS - 3989   |
| 1490.    | 75MMDOORPCWASHERBLTNUT COMPLETE,IS:1729 | EA   | 28.44 | 1        | 17.55.2.1        | :Fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete: 75mm: Sand cast iron S&S as per IS - 1729 |
| 1500.    | 75MMDOORPCWASHERBLTNUT COMPLETE,IS:3989 | EA   | 28.44 | 1        | 17.55.2.2        | :Fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete: 75mm: Sand cast iron S&S as per IS - 3989 |
| 1510.    | FIXING TERMINAL GUARD:100MM,IS:1729     | EA   | 35.65 | 1        | 17.56.1.1        | :Fixing terminal guard: 100mm:Sand cast iron S&S as per IS - 1729   |
| 1520.    | FIXING TERMINAL GUARD:100MM,IS:3989     | EA   | 35.65 | 1        | 17.56.1.2        | :Fixing terminal guard: 100mm:Sand cast iron S&S as per IS - 3989   |
| 1530.    | FIXING TERMINAL GUARD:75MM,IS:1729      | EA   | 28.44 | 1        | 17.56.2.1        | :Fixing terminal guard: 75mmSand cast iron S&S as per IS - 1729   |
| 1540.    | FIXING TERMINAL GUARD:75MM,IS:3989      | EA   | 28.44 | 1        | 17.56.2.2        | :Fixing terminal guard: 75mmSand cast iron S&S as per IS - 3989   |
| 1550.    | FIXING COLLAR:100MM,IS:1729             | EA   | 35.65 | 1        | 17.57.1.1        | :Fixing collar: 100mm:Sand cast iron S&S as per IS - 1729   |
| 1560.    | FIXING COLLAR:100MM,IS:3989             | EA   | 35.65 | 1        | 17.57.1.2        | :Fixing collar: 100mm:Sand cast iron S&S as per IS - 3989   |

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| 1570.    | FIXING COLLAR:75MM,IS:1729               | EA   | 28.44  | 1        | 17.57.2.1         | :Fixing collar: 75mm:Sand cast iron S&S as per IS - 1729   |
| 1580.    | FIXING COLLAR:75MM,IS:3989               | EA   | 28.44  | 1        | 17.57.2.2         | :Fixing collar: 75mm:Sand cast iron S&S as per IS- 3989  |
| 1590.    | LEAD CAULKED JOINT TO 100MM DIA CI PIPE  | EA   | 200.12 | 1        | 17.58.1           | :Lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 100mm  |
| 1600.    | LEAD CAULKED JOINTS TO 75MM DIA CI PIPE  | EA   | 160.29 | 1        | 17.58.2           | :Lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 75mm   |
| 1610.    | LEAD CAULKED JOINTS TO 50MM DIA CI PIPE  | EA   | 118.02 | 1        | 17.58.3           | :Lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 50mm   |
| 1620.    | FIXING MS STAY&CLAMP FOR 100MM DIA PIPE  | EA   | 35.65  | 1        | 17.59.1           | :Fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter: 100mm   |
| 1630.    | FIXING MS STAY & CLAMP FOR 75MM DIA PIPE | EA   | 28.44  | 1        | 17.59.2           | :Fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter: 75mm  |
| 1640.    | FIXING MS STAY & CLAMP FOR 50MM DIA PIPE | EA   | 25.02  | 1        | 17.59.3           | :Fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter: 50mm  |
| 1650.    | TRAP OF SELF-CLEANSING DESIGN-IS3989     | EA   | 747.29 | 1        | 17.60.1.1         | :Fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and |

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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | floors: 100mm inlet and 100mm outletSand cast iron S&S as per IS: 3989.  |
| 1660.    | TRAP OF SELF-CLEANSING DESIGN-IS1729     | EA   | 747.29 | 1        | 17.60.1.2         | :Fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100mm inlet and 100mm outletSand Cast Iron S&S as per IS: 1729.   |
| 1670.    | TRAP:100MM INLET&75MM OUTLET-IS3989      | EA   | 747.29 | 1        | 17.60.2.1         | :Fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100mm inlet and 75mm outletSand cast iron S&S as per IS - 3989  |
| 1680.    | TRAP:100MM INLET&75MM OUTLET-IS 1729     | EA   | 747.29 | 1        | 17.60.2.2         | :Fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors: 100mm inlet and 75mm outletSand Cast Iron S&S as per IS- 1729.  |
| 1690.    | CUTTING CHASES IN BRICK WALL FOR 100MM D | M    | 379.85 | 1        | 17.61.1           | :Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 |

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|----------|--|------|--------|----------|-------------------|--|
|          |  |      |        |          |                   | coarse sand) :100mm dia.   |
| 1700.    | CUTTING CHASES IN BRICK WALL FOR 75MM D  | M    | 275.69 | 1        | 17.61.2           | :Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :75mm dia. |
| 1710.    | CUTTING CHASES IN BRICK WALL FOR 50MM D  | M    | 185.28 | 1        | 17.61.3           | :Cutting chases in brick masonry walls for following diameter sand cast iron / centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 ( 1 cement : 3 coarse sand : 6 graded stone aggregate 12.5mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :50mm dia. |
| 1720.    | PAINTING CI CISTERN ,BITUMASTIC PAINT    | EA   | 485.33 | 1        | 17.62             | :Painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint over a coat of zinc chromate yellow primer (of approved quality) on the outside surface of the cistern flush pipe, other fittings, etc. complete for new work.   |
| 1730.    | REPAINT CI CISTERN WITH ANTICORROSIVEPNT | EA   | 356.52 | 1        | 17.63             | :Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint on the outside surface of the cistern, flush pipe, other fittings, etc.   |

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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | complete including polishing of wooden seat and lid and cleaning of W.C. pan with acid wherever necessary.  |
| 1740.    | REPAINTING CI CISTERN WITH ENAMEL PAINT | EA   | 141.42 | 1        | 17.64             | :Repainting C.I. cistern with synthetic enamel paint of approved colour brand and manufacture on the outside surface of cistern flush pipe, other fittings etc. complete.   |
| 1750.    | PAINTING SAND CI PIPES:100MM DIA        | M    | 41.79  | 1        | 17.65.1           | :Painting sand cast iron / centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work: 100mm diameter pipe |
| 1760.    | PAINTING SAND CI PIPES:75MM DIA         | M    | 32.01  | 1        | 17.65.2           | :Painting sand cast iron / centrifugally cast (spun) iron soil, waste vent pipes and fittings with paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work: 75mm diameter pipe  |
| 1770.    | REPAINTING SAND CI PIPES:100MM DIA      | M    | 20.55  | 1        | 17.66.1           | :Repainting sand cast iron / centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey or buff etc : 100mm diameter pipe   |
| 1780.    | REPAINTING SAND CI PIPES:75MM DIA       | M    | 15.41  | 1        | 17.66.2           | :Repainting sand cast iron / centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey or buff etc : 75mm diameter pipe  |

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|----------|--|------|----------|----------|-------------------|--|
| 1790.    | REPAINTING BATHTUB,SIZE1700X730X430MM  | EA   | 335.21   | 1        | 17.67             | :Repainting bath tub of size 1700x730x430mm with enamel paint.   |
| 1800.    | FIXING VITREOUS CHINA DUAL PURPOSE W.C | EA   | 3,930.45 | 1        | 17.68.1           | :Fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat lid with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fittings and brackets, 40mm flush bend 20mm over flow pipe with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend. |
| 1810.    | FIXING PTMT WASTE COUPLING FOR BASIN   | EA   | 53.48    | 1        | 17.69.1           | :Fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31mm of 79mm length and 62mm breadth weighing not less than 45gms.   |
| 1820.    | WASTE COUPLING 38 MM,83MM LENGTH       | EA   | 53.48    | 1        | 17.69.2           | :Fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 38mm of 83mm length and 77mm breadth, weighing not less than 60gms.  |
| 1830.    | FIXING PTMT 31MM BOTTLE                | EA   | 53.48    | 1        | 17.70.1           | :Fixing PTMT Bottle Trap for Wash basin and sink. Bottle   |



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|          | TRAP FOR BASIN                          |      |        |          |                  | trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260gms.   |
| 1840.    | FIXING PTMT 38MM BOTTLE TRAP FOR BASIN  | EA   | 53.48  | 1        | 17.70.2          | :Fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263gms.                      |
| 1850.    | FIXING PTMT LIQUID SOAP CONTAINER 109MM | EA   | 17.83  | 1        | 17.71            | :Fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.   |
| 1860.    | FIXING PTMT TOWEL RING                  | EA   | 53.48  | 1        | 17.72            | :Fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.  |
| 1870.    | FIXING PTMT TOWEL RAIL ,450MM LONG      | EA   | 256.10 | 1        | 17.73.1          | :Fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms. |

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|----------|--|------|--------|----------|-------------------|--|
| 1880.    | FIXING PTMT TOWEL RAIL ,600MM LONG       | EA   | 256.10 | 1        | 17.73.2           | :Fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms   |
| 1890.    | FIXING PTMT SHELF 440MM LONG             | EA   | 256.10 | 1        | 17.74             | :Fixing PTMT shelf 440mm long, 124mm width and 36mm height of approved quality and colour, weighing not less than 300 gms.   |
| 1900.    | FIXING PTMT 15M URINAL SPREADER          | EA   | 17.83  | 1        | 17.75             | :Fixing PTMT 15mm Urinal spreader size 95x69x100mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.   |
| 1910.    | FIXING PTMT URINAL COCK                  | EA   | 21.25  | 1        | 17.76.1           | :Fixing PTMT urinal cock of approved quality and colour. 15mm nominal bore, 80mm long, 42mm high and 30mm wide with BSP female threads weighing not less than 48 gms.  |
| 1920.    | MS HOLDERBATCLAMPFOR SINGL100MM DIA PIPE | EA   | 82.17  | 1        | 17.77.1           | :Fixing M.S. holder bat clamp of approved design to sand cast iron / cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5mm flat of specified shape, projecting 75mm outside the wall surface and fixed on wall with 4nos, 6mm dia expansion hold fasteners including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts etc. The pipes shall be fixed to the |

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|          |   |      |        |          |                  | already fixed brackets with the help of 30mm x 1.6mm galvanised M.S. flats of specified shape and of total length 420mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6mm, one bolts on each side of the pipe.Total bracket length 580mm of approved shape and design (for single 100mm dia pipe).  |
| 1930.    | MS<br>HOLDERBATCLAMPFORTWO100<br>MM DIAPIPE   | EA   | 93.67  | 1        | 17.77.2          | :Fixing M.S. holder bat clamp of approved design to sand cast iron / cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5mm flat of specified shape, projecting 75mm outside the wall surface and fixed on wall with 4nos, 6mm dia expansion hold fasteners including drilling necessary holes in brick wall / CC / RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30mm x 1.6mm galvanised M.S. flats of specified shape and of total length 420mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6mm, one bolts on each side of the pipe.Total bracket length 810mm of approved shape and design (for two 100mm dia pipes). |
| 1940.    | MS<br>HOLDERBATCLAMPFORTHREE1<br>00MM DIAPIPE | EA   | 105.04 | 1        | 17.77.3          | :Fixing M.S. holder bat clamp of approved design to sand cast iron / cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5mm flat of specified shape, projecting 75mm outside the wall surface and fixed on wall with 4nos, 6mm dia expansion hold fasteners including drilling necessary holes in brick wall / CC / RCC surface  |

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|--------------------------|--|------|----------|----------|------------------|---|
|                          |  |      |          |          |                  | and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30mm x 1.6mm galvanised M.S. flats of specified shape and of total length 420mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6mm, one bolts on each side of the pipe.Total bracket length 1040mm of approved shape and design (for three 100mm dia pipes). |
| 1950.                    | Fixing water closet & cistern            | EA   | 2,258.21 | 1        | 17.78            | Fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm and white vitreous china cistern - capacity 3 litre/6 litre  |
| 1960.                    | Fixing vitreous chinawater less urinal   | EA   | 730.26   | 1        | 17.79            | Fixing white vitreous china water less urinal of size 600 x 330 x 315 mm having antibacterial /germs free ceramic surface, fixed with cartridge having debris catcher and hygiene seal.   |
| 1970.                    | Fixing vitreous china sensor operated ur | EA   | 730.26   | 1        | 17.80            | Fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water ...  |
| <b>18 : WATER SUPPLY</b> |  |      |          |          |                  |   |
| 10.                      | FIXING PE-AL-PE 16MMOD PRESSURE PIPE     | M    | 111.69   | 1        | 18.1.1           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material   |

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|          |                                      |      |        |          |                  | (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:1216 (16mm OD) pipe  |
| 20.      | FIXING PE-AL-PE 20MMOD PRESSURE PIPE | M    | 122.63 | 1        | 18.1.2           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:1620 (20mm OD) pipe. |
| 30.      | FIXING PE-AL-PE 25MMOD PRESSURE PIPE | M    | 133.58 | 1        | 18.1.3           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This  |

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|----------|--------------------------------------|------|--------|----------|------------------|--|
|          |                                      |      |        |          |                  | includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:2025 (25mm OD) pipe.   |
| 40.      | FIXING PE-AL-PE 32MMOD PRESSURE PIPE | M    | 152.69 | 1        | 18.1.4           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:2532 (32mm OD) pipe. |
| 50.      | FIXING PE-AL-PE 40MMOD PRESSURE PIPE | M    | 194.89 | 1        | 18.1.5           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:3240 (40mm OD) pipe. |

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|----------|---------------------------------------|------|--------|----------|------------------|--|
| 60.      | FIXING PE-AL-PE 50MMOD PRESSURE PIPE  | M    | 194.89 | 1        | 18.1.6           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes testing of joints complete of joints complete as per direction of the Engineer-in-Charge:4050 (50mm OD) pipe.   |
| 70.      | FIXING16MMOD PRESSURE PIPE, CONCEALED | M    | 219.58 | 1        | 18.2.1           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes the costs of cutting chases and including testing of joints complete of joints complete as per direction of the Engineer-in-Charge.:1216 (16mm OD) pipe |
| 80.      | FIXING20MMOD PRESSURE PIPE, CONCEALED | M    | 219.58 | 1        | 18.2.2           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V.  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes the costs of cutting chases and including testing of joints complete of joints complete as per direction of the Engineer-in-Charge.:1620 (20mm OD) pipe.   |
| 90.      | FIXING 25 MMOD PRESSURE PIPE, CONCEALED | M    | 219.58 | 1        | 18.2.3           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes the costs of cutting chases and including testing of joints complete of joints complete as per direction of the Engineer-in-Charge.:2025 (25mm OD) pipe. |
| 100.     | FIXING 32MMOD PRESSURE PIPE, CONCEALED  | M    | 219.58 | 1        | 18.2.4           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C including all special fittings of composite material   |



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| Item No. | Description                          | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--------------------------------------|------|-------|----------|------------------|--|
|          |                                      |      |       |          |                  | (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with clamps at 1.00 meter spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the Engineer-in-Charge.:2532 (32mm OD) pipe.   |
| 110.     | FIXING PE-AL-PE 16MMOD PRESSURE PIPE | M    | 93.23 | 1        | 18.3.1           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the Engineer-in-Charge.:1216 (16mm OD) pipe |
| 120.     | FIXING PE-AL-PE 20MMOD PRESSURE PIPE | M    | 93.23 | 1        | 18.3.2           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the   |

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| Item No. | Description                          | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--------------------------------------|------|--------|----------|-------------------|---|
|          |                                      |      |        |          |                   | Engineer-in-Charge.:1620 (20mm OD) pipe.  |
| 130.     | FIXING PE-AL-PE 25MMOD PRESSURE PIPE | M    | 93.23  | 1        | 18.3.3            | :Fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the Engineer-in-Charge.:2025 (25mm OD) pipe. |
| 140.     | FIXING PE-AL-PE 32MMOD PRESSURE PIPE | M    | 93.23  | 1        | 18.3.4            | Fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the Engineer-in-Charge.:2532 (32mm OD ) pipe. |
| 150.     | FIXING PE-AL-PE 40MMOD PRESSURE PIPE | M    | 109.77 | 1        | 18.3.5            | :Fixing Polyethylene-Aluminium-Polyethylene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carbon black having thermal  |

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| Item No. | Description                          | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--------------------------------------|------|--------|----------|------------------|---|
|          |                                      |      |        |          |                  | stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the Engineer-in-Charge.:3240 (40mm OD) pipe.  |
| 160.     | FIXING PE-AL-PE 50MMOD PRESSURE PIPE | M    | 109.77 | 1        | 18.3.6           | :Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 - 2004 U.V. stabilized with carban black having thermal stability for hot & cold water supply, capable to withstand temperature up to 800 C including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc. with trenching, refilling and testing of joints complete as per direction of the Engineer-in-Charge.:4050 (50mm OD) pipe. |
| 170.     | FIXING 3 LAYER PP-R PIPES ,16MM OD   | M    | 111.69 | 1        | 18.4.1           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 16mm OD  |

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|----------|------------------------------------|------|--------|----------|------------------|--|
| 180.     | FIXING 3 LAYER PP-R PIPES ,20MM OD | M    | 122.63 | 1        | 18.4.2           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 20mm OD |
| 190.     | FIXING 3 LAYER PP-R PIPES ,25MM OD | M    | 133.58 | 1        | 18.4.3           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 25mm OD |
| 200.     | FIXING 3 LAYER PP-R PIPES ,32MM OD | M    | 152.69 | 1        | 18.4.4           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 32mm OD |
| 210.     | FIXING 3 LAYER PP-R PIPES ,40MM OD | M    | 194.89 | 1        | 18.4.5           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply   |

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|----------|------------------------------------|------|--------|----------|------------------|--|
|          |                                    |      |        |          |                  | including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 40mm OD  |
| 220.     | FIXING 3 LAYER PP-R PIPES ,50MM OD | M    | 194.89 | 1        | 18.4.6           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 50mm OD   |
| 230.     | FIXING 3 LAYER PN-16 PIPE,16MM OD  | M    | 219.58 | 1        | 18.5.1           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.: PN - 16 Pipe, 16mm OD. |
| 240.     | FIXING 3 LAYER PN-16 PIPE,20MM OD  | M    | 219.58 | 1        | 18.5.2           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene   |

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| Item No. | Description                       | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|-----------------------------------|------|--------|----------|------------------|--|
|          |                                   |      |        |          |                  | random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.: PN - 16 Pipe, 20mm OD   |
| 250.     | FIXING 3 LAYER PN-16 PIPE,25MM OD | M    | 219.58 | 1        | 18.5.3           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:PN - 16 Pipe, 25mm OD |
| 260.     | FIXING 3 LAYER PN-16 PIPE,32MM OD | M    | 219.58 | 1        | 18.5.4           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4 U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP - R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:PN -16 Pipe, 32mm OD  |
| 270.     | FIXING 3 LAYER PN-16              | M    | 93.23  | 1        | 18.6.1           | :Fixing 3 layer PP-R (Poly propylene Random copolymer)   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          | PIPE,16MMOD(SDR-7.4                      |      |        |          |                  | pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 16mm OD (SDR -7.4)  |
| 280.     | FIXING 3 LAYER PN-16 PIPE,20MMOD(SDR-7.4 | M    | 93.23  | 1        | 18.6.2           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 20mm OD (SDR -7.4) |
| 290.     | FIXING 3 LAYER PN-16 PIPE,25MMOD(SDR-7.4 | M    | 101.79 | 1        | 18.6.3           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 25mm OD (SDR -7.4) |
| 300.     | FIXING 3 LAYER PN-16 PIPE,32MMOD(SDR-7.4 | M    | 101.79 | 1        | 18.6.4           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 32mm OD (SDR -7.4)   |
| 310.     | FIXING 3 LAYER PN-16 PIPE,40MMOD(SDR-7.4 | M    | 109.77 | 1        | 18.6.5           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 40mm OD (SDR -7.4)  |
| 320.     | FIXING 3 LAYER PN-16 PIPE,50MMOD(SDR-7.4 | M    | 109.77 | 1        | 18.6.6           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 50mm OD (SDR -7.4). |
| 330.     | FIXING 3 LAYER PN-16 PIPE,63MMOD(SDR-7.4 | M    | 136.50 | 1        | 18.6.7           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 63mm OD (SDR -7.4)  |



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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 340.     | FIXING 3 LAYER PN-16 PIPE,75MMOD(SDR-7.4 | M    | 136.50 | 1        | 18.6.8           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 75mm OD (SDR -7.4) |
| 350.     | FIXING 3 LAYER PN-16 PIPE,90MMOD(SDR-7.4 | M    | 180.92 | 1        | 18.6.9           | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 16 Pipe, 90mm OD (SDR -7.4) |
| 360.     | FIXING 3LAYER PN-16 PIPE,110MMOD(SDR-7.4 | M    | 180.92 | 1        | 18.6.10          | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 10 Pipe, 110mm OD (SDR -11) |
| 370.     | FIXING 3LAYER PN-16 PIPE,160MMOD(SDR-7.4 | M    | 278.41 | 1        | 18.6.11          | :Fixing 3 layer PP-R (Poly propylene Random copolymer) pipes U V stabilized & anti - microbial fusion welded,   |

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| Item No. | Description               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------|------|--------|----------|-------------------|---|
|          |                           |      |        |          |                   | having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge.<br>:PN - 10 Pipe, 160mm OD (SDR -11)   |
| 380.     | FIXING 15MM OD CPVC PIPES | M    | 122.63 | 1        | 18.7.1            | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:15mm nominal outer dia. pipes. |
| 390.     | FIXING 20MM OD CPVC PIPES | M    | 133.58 | 1        | 18.7.2            | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:20mm nominal outer dia. pipes. |
| 400.     | FIXING 25MM OD CPVC PIPES | M    | 133.58 | 1        | 18.7.3            | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including  |

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| Item No. | Description                | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|----------------------------|------|--------|----------|------------------|---|
|          |                            |      |        |          |                  | fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:25mm nominal outer dia. pipes.  |
| 410.     | FIXING 32MM OD CPVC PIPES  | M    | 152.69 | 1        | 18.7.4           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:32mm nominal outer dia. pipes. |
| 420.     | FIXING 40 MM OD CPVC PIPES | M    | 194.89 | 1        | 18.7.5           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:40mm nominal outer dia. pipes. |
| 430.     | FIXING 50MM OD CPVC PIPES  | M    | 194.89 | 1        | 18.7.6           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including  |

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| Item No. | Description               | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------|------|--------|----------|------------------|---|
|          |                           |      |        |          |                  | fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.:50mm nominal outer dia. pipes.  |
| 440.     | FIXING 15MM OD CPVC PIPES | M    | 219.58 | 1        | 18.8.1           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:15mm nominal outer dia. pipes. |
| 450.     | FIXING 20MM OD CPVC PIPES | M    | 219.58 | 1        | 18.8.2           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:20mm nominal outer dia. pipes. |
| 460.     | FIXING 25MM OD CPVC PIPES | M    | 219.58 | 1        | 18.8.3           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,  |

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| Item No. | Description               | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------|------|--------|----------|------------------|---|
|          |                           |      |        |          |                  | having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:25mm nominal outer dia. pipes.  |
| 470.     | FIXING 32MM OD CPVC PIPES | M    | 219.58 | 1        | 18.8.4           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge.:32mm nominal outer dia. pipes. |
| 480.     | FIXING 15MM OD CPVC PIPES | M    | 93.23  | 1        | 18.9.1           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :15mm nominal outer dia. pipes.   |

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| Item No. | Description               | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------|------|--------|----------|------------------|---|
| 490.     | FIXING 20MM OD CPVC PIPES | M    | 93.23  | 1        | 18.9.2           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :20mm nominal outer dia. pipes. |
| 500.     | FIXING 25MM OD CPVC PIPES | M    | 101.79 | 1        | 18.9.3           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :25mm nominal outer dia. pipes. |
| 510.     | FIXING 32MM OD CPVC PIPES | M    | 101.79 | 1        | 18.9.4           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :32mm nominal outer dia. pipes. |
| 520.     | FIXING 40MM OD CPVC PIPES | M    | 109.77 | 1        | 18.9.5           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This  |

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| Item No. | Description                 | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|-----------------------------|------|--------|----------|------------------|--|
|          |                             |      |        |          |                  | includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :40mm nominal outer dia. pipes.   |
| 530.     | FIXING 50MM OD CPVC PIPES   | M    | 109.77 | 1        | 18.9.6           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :50mm nominal outer dia. pipes.    |
| 540.     | FIXING 62.5MM OD CPVC PIPES | M    | 136.50 | 1        | 18.9.7           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :62.50mm nominal inner dia. pipes. |
| 550.     | FIXING 75MM OD CPVC PIPES   | M    | 136.50 | 1        | 18.9.8           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :75mm                              |

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|----------|---------------------------------|------|--------|----------|------------------|--|
|          |                                 |      |        |          |                  | nominal inner dia. pipes.  |
| 560.     | FIXING 100MM OD CPVC PIPES      | M    | 180.92 | 1        | 18.9.9           | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :100mm nominal inner dia. pipes. |
| 570.     | FIXING 150MM OD CPVC PIPES      | M    | 278.41 | 1        | 18.9.10          | :Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. :150mm nominal inner dia. pipes. |
| 580.     | FIXING GI PIPE& FITTING,15MM NB | M    | 113.81 | 1        | 18.10.1          | :Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 15mm dia. nominal bore   |
| 590.     | FIXING GI PIPE& FITTING,20MM NB | M    | 124.76 | 1        | 18.10.2          | :Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 20mm dia. nominal bore   |
| 600.     | FIXING GI PIPE& FITTING,25MM    | M    | 136.45 | 1        | 18.10.3          | :Fixing G.I. pipes complete with G.I. fittings and clamps,   |



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|----------|---------------------------------------|------|--------|----------|------------------|---|
|          | NB                                    |      |        |          |                  | including cutting and making good the walls etc. 25mm dia. nominal bore   |
| 610.     | FIXING GI PIPE& FITTING,32MM NB       | M    | 155.19 | 1        | 18.10.4          | :Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 32mm dia. nominal bore      |
| 620.     | FIXING GI PIPE& FITTING,40MM NB       | M    | 198.45 | 1        | 18.10.5          | :Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 40mm dia. nominal bore      |
| 630.     | FIXING GI PIPE& FITTING,50MM NB       | M    | 240.35 | 1        | 18.10.6          | :Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 50mm dia. nominal bore      |
| 640.     | CONCEALED PIPE IWITH PAINTING,15MM NB | M    | 228.71 | 1        | 18.11.1          | :Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall:15mm dia. nominal bore |
| 650.     | CONCEALED PIPE IWITH PAINTING,20MM NB | M    | 229.96 | 1        | 18.11.2          | :Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall:20mm dia. nominal bore |
| 660.     | FIXING GI PIPE & FITTING,15MM NB      | M    | 94.63  | 1        | 18.12.1          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :15mm dia. nominal bore                           |
|          |                                       |      |        |          |                  |   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 670.     | FIXING GI PIPE & FITTING,20MM NB         | M    | 94.63  | 1        | 18.12.2          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :20mm dia. nominal bore  |
| 680.     | FIXING GI PIPE & FITTING,25MM NB         | M    | 103.57 | 1        | 18.12.3          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :25mm dia. nominal bore  |
| 690.     | FIXING GI PIPE & FITTING,32MM NB         | M    | 103.57 | 1        | 18.12.4          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :32mm dia. nominal bore  |
| 700.     | FIXING GI PIPE & FITTING,40MM NB         | M    | 112.27 | 1        | 18.12.5          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :40mm dia. nominal bore  |
| 710.     | FIXING GI PIPE & FITTING,50MM NB         | M    | 112.27 | 1        | 18.12.6          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :50mm dia. nominal bore  |
| 720.     | FIXING GI PIPE & FITTING,65 MM NB        | M    | 140.06 | 1        | 18.12.7          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :65mm dia. nominal bore  |
| 730.     | FIXING GI PIPE & FITTING,80 MM NB        | M    | 140.06 | 1        | 18.12.8          | :Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :80mm dia. nominal bore  |
| 740.     | MAKING GI DISTRIBUTION BRANCH:25 TO 40MM | EA   | 478.99 | 1        | 18.13.1          | :Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: :25 to 40mm nominal bore |

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|----------|--|------|--------|----------|-------------------|--|
| 750.     | MAKING GI DISTRIBUTION BRANCH:50 TO 80MM | EA   | 648.06 | 1        | 18.13.2           | :Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: :50 to 80mm nominal bore |
| 760.     | FIXING WATER METER &STOPCOCK IN GI PIPE  | EA   | 478.99 | 1        | 18.14             | :Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).   |
| 770.     | FIXING BRASS BIB COCK,15MM NB            | EA   | 21.25  | 1        | 18.15.1           | :Fixing brass bib cock of approved quality: 15mm nominal bore  |
| 780.     | FIXING BRASS BIB COCK,20MM NB            | EA   | 25.02  | 1        | 18.15.2           | :Fixing brass bib cock of approved quality: 20mm nominal bore  |
| 790.     | FIXING BRASS STOP COCK,15MM NB           | EA   | 21.25  | 1        | 18.16.1           | :Fixing brass stop cock of approved quality: 15mm nominal bore   |
| 800.     | FIXING BRASS STOP COCK,20 MM NB          | EA   | 25.81  | 1        | 18.16.2           | :Fixing brass stop cock of approved quality: 20mm nominal bore   |
| 810.     | FIXING GATE VALVE WITH CI WHEEL:25MM NB  | EA   | 28.44  | 1        | 18.17.1           | :Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25mm nominal bore  |
| 820.     | FIXING GATE VALVE WITH CI                | EA   | 32.22  | 1        | 18.17.2           | :Fixing gun metal gate valve with C.I. wheel of approved   |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
|          | WHEEL:32MMNB                             |      |       |          |                   | quality (screwed end) :32mm nominal bore.  |
| 830.     | FIXING GATE VALVE WITH CI WHEEL :40MM NB | EA   | 35.65 | 1        | 18.17.3           | :Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40mm nominal bore                      |
| 840.     | FIXING GATE VALVE WITH CI WHEEL :50MM NB | EA   | 39.08 | 1        | 18.17.4           | :Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50mm nominal bore                      |
| 850.     | FIXING GATE VALVE WITH CI WHEEL :65MM NB | EA   | 42.50 | 1        | 18.17.5           | :Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :65mm nominal bore.                     |
| 860.     | FIXING GATE VALVE WITH CI WHEEL :80MM NB | EA   | 49.70 | 1        | 18.17.6           | :Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :80mm nominal bore.                     |
| 870.     | FIXING BALL VALVE :15MM NB               | EA   | 56.90 | 1        | 18.18.1           | :Fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 15mm nominal bore. |
| 880.     | FIXING BALL VALVE :20 MM NB              | EA   | 70.96 | 1        | 18.18.2           | :Fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 20mm nominal bore. |
| 890.     | FIXING BALL VALVE :25MM NB               | EA   | 85.00 | 1        | 18.18.3           | :Fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25mm nominal bore  |
| 900.     | FIXING NON RETURN                        | EA   | 35.65 | 1        | 18.19.1.1         | :Fixing gun metal non-return valve of approved quality   |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
|          | VALVE:25MMNB,HORIZONTAL                   |      |       |          |                   | (screwed end) : 25mm nominal boreHorizontal   |
| 910.     | FIXING NON RETURN VALVE:25MMNB,VERTICAL   | EA   | 35.65 | 1        | 18.19.1.2         | :Fixing gun metal non-return valve of approved quality (screwed end) : 25mm nominal boreVertical      |
| 920.     | FIXING NON RETURN VALVE:32MMNB,HORIZONTAL | EA   | 39.08 | 1        | 18.19.2.1         | :Fixing gun metal non-return valve of approved quality (screwed end) : 32mm nominal boreHorizontal    |
| 930.     | FIXING NON RETURN VALVE:32MM NB,VERTICAL  | EA   | 39.08 | 1        | 18.19.2.2         | :Fixing gun metal non-return valve of approved quality (screwed end) : 32mm nominal boreVertical      |
| 940.     | FIXING NON RETURN VALVE:40MMNB,HORIZONTAL | EA   | 42.50 | 1        | 18.19.3.1         | :Fixing gun metal non-return valve of approved quality (screwed end) : 40mm nominal bore Horizontal.  |
| 950.     | FIXING NON RETURN VALVE:40MM NB,VERTICAL  | EA   | 42.50 | 1        | 18.19.3.2         | :Fixing gun metal non-return valve of approved quality (screwed end) : 40mm nominal bore Vertical.    |
| 960.     | FIXING NON RETURN VALVE:50MMNB,HORIZONTAL | EA   | 46.28 | 1        | 18.19.4.1         | :Fixing gun metal non-return valve of approved quality (screwed end) : 50mm nominal bore Horizontal . |
| 970.     | FIXING NON RETURN VALVE:50MM NB,VERTICAL  | EA   | 46.28 | 1        | 18.19.4.2         | :Fixing gun metal non-return valve of approved quality (screwed end) : 50mm nominal bore Vertical.    |
| 980.     | FIXING NON RETURN VALVE:65MMNB,HORIZONTAL | EA   | 49.70 | 1        | 18.19.5.1         | :Fixing gun metal non-return valve of approved quality (screwed end) : 65mm nominal bore Horizontal.  |

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|----------|--|------|--------|----------|------------------|---|
| 990.     | FIXING NON RETURN VALVE:65MM NB,VERTICAL | EA   | 49.70  | 1        | 18.19.5.2        | :Fixing gun metal non-return valve of approved quality (screwed end) : 65mm nominal bore Vertical.    |
| 1000.    | FIXING NON RETURN VALVE:80MMNB,HORIZONTL | EA   | 53.48  | 1        | 18.19.6.1        | :Fixing gun metal non-return valve of approved quality (screwed end) :80mm nominal bore Horizontal.   |
| 1010.    | FIXING NON RETURN VALVE:80MM NB,VERTICAL | EA   | 53.48  | 1        | 18.19.6.2        | :Fixing gun metal non-return valve of approved quality (screwed end) :80mm nominal boreVertical       |
| 1020.    | FIXING BRASS FERRULE:15MM NB             | EA   | 106.25 | 1        | 18.20.1          | :Fixing brass ferrule with C.I. mouth cover including boring and tapping the main: 15mm nominal bore. |
| 1030.    | FIXING BRASS FERRULE:20 MM NB            | EA   | 124.42 | 1        | 18.20.2          | :Fixing brass ferrule with C.I. mouth cover including boring and tapping the main: 20mm nominal bore  |
| 1040.    | FIXING BRASS FERRULE:25MM NB             | EA   | 141.90 | 1        | 18.20.3          | :Fixing brass ferrule with C.I. mouth cover including boring and tapping the main: 25mm nominal bore. |
| 1050.    | FIXING PVC PIPE:30CM L & 15MM NB         | EA   | 32.22  | 1        | 18.21.1.1        | :Fixing uplasticised PVC connection pipe with brass unions: 30cm length 15mm nominal bore.            |
| 1060.    | FIXING PVC PIPE:30CM L & 20MM NB         | EA   | 32.22  | 1        | 18.21.1.2        | :Fixing uplasticised PVC connection pipe with brass unions: 30cm length 20mm nominal bore.            |
| 1070.    | FIXING PVC PIPE:45CM L & 15MM NB         | EA   | 35.65  | 1        | 18.21.2.1        | :Fixing uplasticised PVC connection pipe with brass unions: 45cm length 15mm nominal bore.            |

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|----------|---|------|--------|----------|-------------------|--|
| 1080.    | FIXING PVC PIPE:30CM L & 20MM NB        | EA   | 35.65  | 1        | 18.21.2.2         | :Fixing uplasticised PVC connection pipe with brass unions: 45cm length 20mm nominal bore.   |
| 1090.    | FIXING CP BRASS SHOWER ROSE:100MM DIA   | EA   | 17.83  | 1        | 18.22.1           | :Fixing C.P. brass shower rose with 15 or 20mm inlet:100mm diameter.   |
| 1100.    | FIXING CP BRASS SHOWER ROSE:150MM DIA   | EA   | 21.25  | 1        | 18.22.2           | :Fixing C.P. brass shower rose with 15 or 20mm inlet:150mm diameter.   |
| 1110.    | LAYING CENTRIFUGALLY C.I.ORFLANGED PIPE | QTL  | 209.61 | 1        | 18.23             | :Laying in position centrifugally cast (spun) iron S&S or flanged pipes (excluding cost of pipe) .   |
| 1120.    | LAYING S&S OR FLANGED CI SPECIALS       | QTL  | 392.53 | 1        | 18.24             | :Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc.(excluding cost of specials).                          |
| 1130.    | LAYING S&S OR FLANGED CI SPECIALS       | QTL  | 392.53 | 1        | 18.25.1           | :Laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) : Up to 300mm dia.                                      |
| 1140.    | LAYING S&S CI SPECIALS;OVER300MM DIA    | QTL  | 392.53 | 1        | 18.25.2           | :Laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) : Over 300mm dia.                                       |
| 1150.    | LAYING FLANGED CI SPECIALS UPTO 300MM   | QTL  | 392.53 | 1        | 18.26.1           | :Laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538: Up to 300mm dia. |

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|----------|---------------------------------------|------|--------|----------|------------------|---|
| 1160.    | LAYING FLANGED CI SPECIALS OVER 300MM | QTL  | 392.53 | 1        | 18.26.2          | :Laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538: Over 300mm dia. |
| 1170.    | LAYING S&S IRON PIPE;100MM DIA        | M    | 41.50  | 1        | 18.27.1          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 100mm dia. pipe   |
| 1180.    | LAYING S&S IRON PIPE;125MM DIA        | M    | 54.08  | 1        | 18.27.2          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 125mm dia. pipe   |
| 1190.    | LAYING S&S IRON PIPE;150MM DIA        | M    | 67.49  | 1        | 18.27.3          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 150mm dia. pipe   |
| 1200.    | LAYING S&S IRON PIPE;200MM DIA        | M    | 98.73  | 1        | 18.27.4          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 200mm dia. pipe   |
| 1210.    | LAYING S&S IRON PIPE;250MM DIA        | M    | 133.10 | 1        | 18.27.5          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 250mm dia. pipe   |
| 1220.    | LAYING S&S IRON PIPE;300MM DIA        | M    | 171.46 | 1        | 18.27.6          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 300mm dia. pipe   |
| 1230.    | LAYING S&S IRON PIPE;350MM DIA        | M    | 216.11 | 1        | 18.27.7          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 350mm dia. pipe   |



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|----------|--------------------------------------|------|--------|----------|------------------|--|
| 1240.    | LAYING S&S IRON PIPE;400MM DIA       | M    | 263.06 | 1        | 18.27.8          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 400mm dia. pipe  |
| 1250.    | LAYING S&S IRON PIPE;450MM DIA       | M    | 317.14 | 1        | 18.27.9          | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 450mm dia. pipe  |
| 1260.    | LAYING S&S IRON PIPE;500MM DIA       | M    | 371.22 | 1        | 18.27.10         | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 500mm dia. pipe  |
| 1270.    | LAYING S&S IRON PIPE;600MM DIA       | M    | 494.68 | 1        | 18.27.11         | :Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 600mm dia. pipe  |
| 1280.    | FIXING LEAD CAULKED JOINTS:100MM DIA | EA   | 271.03 | 1        | 18.28.1          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 100mm diameter pipe |
| 1290.    | FIXING LEAD CAULKED JOINTS:125MM DIA | EA   | 406.77 | 1        | 18.28.2          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 125mm diameter pipe |
| 1300.    | FIXING LEAD CAULKED JOINTS:150MM DIA | EA   | 407.45 | 1        | 18.28.3          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 150mm diameter pipe |
| 1310.    | FIXING LEAD CAULKED JOINTS:200MM DIA | EA   | 542.81 | 1        | 18.28.4          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig                           |

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|----------|--------------------------------------|------|----------|----------|------------------|---|
|          |                                      |      |          |          |                  | lead: 200mm diameter pipe   |
| 1320.    | FIXING LEAD CAULKED JOINTS:250MM DIA | EA   | 678.86   | 1        | 18.28.5          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 250 mm diameter pipe |
| 1330.    | FIXING LEAD CAULKED JOINTS:300MM DIA | EA   | 814.22   | 1        | 18.28.6          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 300 mm diameter pipe |
| 1340.    | FIXING LEAD CAULKED JOINTS:350MM DIA | EA   | 816.28   | 1        | 18.28.7          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 350 mm diameter pipe |
| 1350.    | FIXING LEAD CAULKED JOINTS:400MM DIA | EA   | 1,085.56 | 1        | 18.28.8          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 400 mm diameter pipe |
| 1360.    | FIXING LEAD CAULKED JOINTS:450MM DIA | EA   | 1,221.67 | 1        | 18.28.9          | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 450mm diameter pipe  |
| 1370.    | FIXING LEAD CAULKED JOINTS:500MM DIA | EA   | 1,290.00 | 1        | 18.28.10         | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 500mm diameter pipe  |
|          |                                      |      |          |          |                  |   |

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|----------|---------------------------------------|------|----------|----------|------------------|--|
| 1380.    | FIXING LEAD CAULKED JOINTS:600MM DIA  | EA   | 1,762.22 | 1        | 18.28.11         | :Lead caulked joints to spun iron or C.I. pipes and specials including testing of joints but excluding the cost of pig lead: 600mm diameter pipe |
| 1390.    | SUPPLYING PIG LEAD AT SITE OF WORK    | QTL  |          | 1        | 18.29            | :Supplying pig lead at site of work.   |
| 1400.    | FIXING FLANGED JOINTS :80MM DIA PIPE  | EA   | 70.17    | 1        | 18.30.1          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:80mm diameter pipe                            |
| 1410.    | FIXING FLANGED JOINTS :100MM DIA PIPE | EA   | 97.33    | 1        | 18.30.2          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:100mm diameter pipe                           |
| 1420.    | FIXING FLANGED JOINTS:125 MM DIA PIPE | EA   | 97.33    | 1        | 18.30.3          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:125mm diameter pipe                           |
| 1430.    | FIXING FLANGED JOINTS:150 MM DIA PIPE | EA   | 110.72   | 1        | 18.30.4          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:150mm diameter pipe                           |
| 1440.    | FIXING FLANGED JOINTS:200 MM DIA PIPE | EA   | 110.72   | 1        | 18.30.5          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:200mm diameter pipe                           |
| 1450.    | FIXING FLANGED JOINTS:250 MM DIA PIPE | EA   | 137.81   | 1        | 18.30.6          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:250mm diameter pipe                           |
| 1460.    | FIXING FLANGED JOINTS :300MM DIA PIPE | EA   | 137.81   | 1        | 18.30.7          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:300mm diameter pipe                           |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 1470.    | FIXING FLANGED JOINTS :350MM DIA PIPE    | EA   | 164.60 | 1        | 18.30.8           | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:350mm diameter pipe  |
| 1480.    | FIXING FLANGED JOINTS :400MM DIA PIPE    | EA   | 165.32 | 1        | 18.30.9           | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:400mm diameter pipe  |
| 1490.    | FIXING FLANGED JOINTS :450MM DIA PIPE    | EA   | 192.10 | 1        | 18.30.10          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:450mm diameter pipe  |
| 1500.    | FIXING FLANGED JOINTS :500MM DIA PIPE    | EA   | 205.49 | 1        | 18.30.11          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:500mm diameter pipe  |
| 1510.    | FIXING FLANGED JOINTS :600MM DIA PIPE    | EA   | 232.65 | 1        | 18.30.12          | :Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:600mm diameter pipe  |
| 1520.    | FIXING CI SLICE VALVE :100MM DIA,CLASSI  | EA   | 368.55 | 1        | 18.31.1.1         | :"Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 100mm diameterClass I "  |
| 1530.    | FIXING CI SLICE VALVE :100MM DIA,CLASSII | EA   | 415.65 | 1        | 18.31.1.2         | :"Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 100mm diameterClass II " |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 1540.    | FIXING CI SLICE VALVE :125MM DIA,CLASSI  | EA   | 415.65 | 1        | 18.31.2.1        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 125mm diameterClass I  |
| 1550.    | FIXING CI SLICE VALVE :125MM DIA,CLASSII | EA   | 462.76 | 1        | 18.31.2.2        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 125mm diameterClass II |
| 1560.    | FIXING CI SLICE VALVE :150MM DIA,CLASSI  | EA   | 506.02 | 1        | 18.31.3.1        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 150mm diameterClass I  |
| 1570.    | FIXING CI SLICE VALVE :150MM DIA,CLASSII | EA   | 560.98 | 1        | 18.31.3.2        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 150mm diameterClass II |
| 1580.    | FIXING CI SLICE VALVE:200MM DIA,CLASSI   | EA   | 698.36 | 1        | 18.31.4.1        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 200mm diameterClass I  |
| 1590.    | FIXING CI SLICE VALVE :200MM DIA,CLASSII | EA   | 812.20 | 1        | 18.31.4.2        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 200mm diameterClass II |
| 1600.    | FIXING CI SLICE VALVE :250MM DIA,CLASSI  | EA   | 981.78 | 1        | 18.31.5.1        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 250mm diameterClass I  |

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|----------|--|------|----------|----------|------------------|--|
| 1610.    | FIXING CI SLICE VALVE :250MM DIA,CLASSII | EA   | 1,178.05 | 1        | 18.31.5.2        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 250mm diameterClass II   |
| 1620.    | FIXING CI SLICE VALVE :300MM DIA,CLASSI  | EA   | 1,227.11 | 1        | 18.31.6.1        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 300mm diameterClass I  |
| 1630.    | FIXING CI SLICE VALVE :300MM DIA,CLASSII | EA   | 1,466.56 | 1        | 18.31.6.2        | :Fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 300mm diameterClass II   |
| 1640.    | MAKING MASONAY CHAMBER 30X30X50CM        | EA   | 557.53   | 1        | 18.32.1          | :Constructing masonry chamber 30x30x50cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C.I. surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 ( 1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design:With F.P.S. bricks |
| 1650.    | MAKING MASONAY CHAMBER                   | EA   | 3,318.18 | 1        | 18.33.1          | :Constructing masonry chamber 60x60x75cm, inside with  |

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|----------|------------------------------------|------|----------|----------|-------------------|--|
|          | 60X60X75CM                         |      |          |          |                   | 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160mm bottom diameter and 180mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size ) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :With F.P.S. bricks  |
| 1660.    | MAKING MASONRY CHAMBER 90X90X100CM | EA   | 5,939.86 | 1        | 18.34.1           | :Constructing masonry chamber 90x90x100cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size ) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size ) and inside plastering with cement mortar 1: 3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :With F.P.S. bricks |
|          |                                    |      |          |          |                   |  |

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| Item No. | Description                        | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|------------------------------------|------|----------|----------|-------------------|---|
| 1670.    | MAKING MASONRY CHAMBER 120X120X100 | EA   | 8,409.44 | 1        | 18.35.1           | :Constructing masonry chamber 120x120x100cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160mm bottom diameter and 180mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand :10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design:With F.P.S. bricks |
| 1680.    | MAKING MASONRY CHAMBER 60X60X75CM  | EA   | 3,296.94 | 1        | 18.36.1           | :Constructing masonry chamber 60x60x75cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350mm top and 165mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design :With F.P.S. bricks                            |
|          |                                    |      |          |          |                   |   |



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| Item No. | Description                            | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 1690.    | MAKING MASONRY CHAMBER 60X45X50CM      | EA   | 2,909.71 | 1        | 18.37.1           | :Constructing masonry chamber 60x45x50cm, inside with 75 class designation brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 ( 1 cement : 5 fine sand :10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design:With F.P.S. bricks |
| 1700.    | PAINTING GI PIPES & FITTINGS:15MM DIA  | M    | 10.81    | 1        | 18.38.1           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:15mm diameter pipe.  |
| 1710.    | PAINTING GI PIPES & FITTINGS:20 MM DIA | M    | 12.67    | 1        | 18.38.2           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:20mm diameter pipe.  |
| 1720.    | PAINTING GI PIPES & FITTINGS:25MM DIA  | M    | 16.78    | 1        | 18.38.3           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:25mm diameter pipe.  |
| 1730.    | PAINTING GI PIPES & FITTINGS:32 MM DIA | M    | 19.72    | 1        | 18.38.4           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of  |

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| Item No. | Description                            | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
|          |  |      |       |          |                   | approved quality for new work:32mm diameter pipe.  |
| 1740.    | PAINTING GI PIPES & FITTINGS:40 MM DIA | M    | 23.47 | 1        | 18.38.5           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:40mm diameter pipe. |
| 1750.    | PAINTING GI PIPES & FITTINGS:50MM DIA  | M    | 27.49 | 1        | 18.38.6           | :Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:50mm diameter pipe. |
| 1760.    | REPAINTING GI PIPES& FITTINGS,15MMDIA  | M    | 5.50  | 1        | 18.39.1           | :Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 15mm diameter pipe.   |
| 1770.    | REPAINTING GI PIPES& FITTINGS,20MMDIA  | M    | 6.36  | 1        | 18.39.2           | :Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 20mm diameter pipe.   |
| 1780.    | REPAINTING GI PIPES& FITTINGS,25MMDIA  | M    | 8.16  | 1        | 18.39.3           | :Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 25mm diameter pipe  |
| 1790.    | REPAINTING GI PIPES& FITTINGS,32MMDIA  | M    | 9.56  | 1        | 18.39.4           | :Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 32mm diameter pipe  |
| 1800.    | REPAINTING GI PIPES& FITTING,.40MMDIA  | M    | 11.18 | 1        | 18.39.5           | :Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 40mm diameter pipe  |
| 1810.    | REPAINTING GI PIPES&                   | M    | 13.05 | 1        | 18.39.6           | :Repainting G.I. pipes and fittings with synthetic enamel  |

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|----------|--|------|-------|----------|-------------------|--|
|          | FITTINGS,50 MMDIA                        |      |       |          |                   | white paint of approved quality: 50mm diameter pipe  |
| 1820.    | BITUMASTIC PAINTING GI PIPE&FITTING,15MM | M    | 7.00  | 1        | 18.40.1           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 15mm diameter pipe |
| 1830.    | BITUMASTIC PAINTING GI PIPE&FITTING,20MM | M    | 8.25  | 1        | 18.40.2           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 20mm diameter pipe |
| 1840.    | BITUMASTIC PAINTING GI PIPE&FITTING,25MM | M    | 10.53 | 1        | 18.40.3           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 25mm diameter pipe |
| 1850.    | BITUMASTIC PAINTING GI PIPE&FITTING,32MM | M    | 12.51 | 1        | 18.40.4           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 32mm diameter pipe |
| 1860.    | BITUMASTIC PAINTING GI PIPE&FITTING,40MM | M    | 14.24 | 1        | 18.40.5           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 40mm diameter pipe |
| 1870.    | BITUMASTIC PAINTING GI PIPE&FITTING,50MM | M    | 16.95 | 1        | 18.40.6           | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 50mm diameter pipe |
|          |  |      |       |          |                   |  |

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|----------|--|------|-------|----------|------------------|--|
| 1880.    | BITUMASTIC PAINTING GI PIPE&FITTING,65MM | M    | 20.86 | 1        | 18.40.7          | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 65mm diameter pipe |
| 1890.    | BITUMASTIC PAINTING GI PIPE&FITTING,80MM | M    | 24.17 | 1        | 18.40.8          | :Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 80mm diameter pipe |
| 1900.    | FILLING SAND ALL-ROUND GI PIPE:15MMDIA   | M    | 7.46  | 1        | 18.41.1          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work. 15mm diameter pipe              |
| 1910.    | FILLING SAND ALL-ROUND GI PIPE:20 MMDIA  | M    | 7.56  | 1        | 18.41.2          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 20mm diameter pipe               |
| 1920.    | FILLING SAND ALL-ROUND GI PIPE:25MMDIA   | M    | 7.76  | 1        | 18.41.3          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 25mm diameter pipe               |
| 1930.    | FILLING SAND ALL-ROUND GI PIPE:32 MMDIA  | M    | 7.96  | 1        | 18.41.4          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 32mm diameter pipe               |
| 1940.    | FILLING SAND ALL-ROUND GI PIPE:40 MMDIA  | M    | 8.06  | 1        | 18.41.5          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 40mm diameter pipe               |
| 1950.    | FILLING SAND ALL-ROUND GI PIPE:50 MMDIA  | M    | 8.37  | 1        | 18.41.6          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 50mm diameter pipe               |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 1960.    | FILLING SAND ALL-ROUND GI PIPE:65MMDIA    | M    | 13.21  | 1        | 18.41.7           | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 65mm diameter pipe   |
| 1970.    | FILLING SAND ALL-ROUND GI PIPE:80 MMDIA   | M    | 13.61  | 1        | 18.41.8           | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 80mm diameter pipe   |
| 1980.    | FILLING SAND ALL-ROUND GI PIPE:100MMDIA   | M    | 14.41  | 1        | 18.41.9           | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 100mm diameter pipe  |
| 1990.    | FILLING SAND ALL-ROUND GI PIPE:150MMDIA   | M    | 21.47  | 1        | 18.41.10          | :Filling sand of grading zone V or coarser grade all- round the G.I. pipes in external work 150mm diameter pipe  |
| 2000.    | BORING WITH 100MM DIA CASING PIPE:UPTO 6M | M    | 449.54 | 1        | 18.42.1           | :Boring with 100mm diameter casing pipe for hand pump / tube well in all soils except ordinary hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and tested:Up to 6 metres depth.            |
| 2010.    | BORING WITH CASING PIPE:6M TO 12M DEPTH   | M    | 534.54 | 1        | 18.42.2           | :Boring with 100mm diameter casing pipe for hand pump / tube well in all soils except ordinary hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and tested:Beyond 6 m and up to 12 m depth. |
| 2020.    | BORING WITH CASING PIPE:12M TO 18M DEPTH  | M    | 622.55 | 1        | 18.42.3           | :Boring with 100mm diameter casing pipe for hand pump / tube well in all soils except ordinary hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and tested:Beyond 12 m and up               |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | to 18 m depth.   |
| 2030.    | PLACING INPOSITION FILTER OF40MM DIAGI  | M    | 196.01 | 1        | 18.43            | :Placing in position filters of 40mm diameter G.I. pipe with brass strainer of approved quality.   |
| 2040.    | FIXING TO FILTER&LOWEING TO LEVELS 40MM | M    | 74.78  | 1        | 18.44            | :Fixing to filter and lowering to proper levels 40mm G.I. pipe for tube well including cleaning and priming the tube well.                 |
| 2050.    | PLACING IN POSITION HAND PUMP           | EA   | 188.19 | 1        | 18.45            | :Placing in position hand pump of approved quality for 40mm diameter G.I. pipe complete with all accessories.                              |
| 2060.    | FIXING GI UNION IN GI PIPE :15MMNB      | EA   | 159.78 | 1        | 18.46.1          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15mm nominal bore |
| 2070.    | FIXING GI UNION IN GI PIPE :20MMNB      | EA   | 159.78 | 1        | 18.46.2          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 20mm nominal bore |
| 2080.    | FIXING GI UNION IN GI PIPE :25MMNB      | EA   | 159.78 | 1        | 18.46.3          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 25mm nominal bore |
| 2090.    | FIXING GI UNION IN GI PIPE :32MMNB      | EA   | 159.78 | 1        | 18.46.4          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete                              |

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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | (New work) 32mm nominal   |
| 2100.    | FIXING GI UNION IN GI PIPE :40MMNB       | EA   | 159.78 | 1        | 18.46.5          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 40mm nominal bore  |
| 2110.    | FIXING GI UNION IN GI PIPE :50MMNB       | EA   | 216.13 | 1        | 18.46.6          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 50mm nominal bore  |
| 2120.    | FIXING GI UNION IN GI PIPE :65MMNB       | EA   | 216.13 | 1        | 18.46.7          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 65mm nominal bore  |
| 2130.    | FIXING GI UNION IN GI PIPE :80MMNB       | EA   | 216.13 | 1        | 18.46.8          | :Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 80mm nominal bore  |
| 2140.    | FIXING GI UNIONIN EXISTING GI PIPE15MMNB | EA   | 469.73 | 1        | 18.47.1          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 15mm nominal bore. |
| 2150.    | FIXINGGI UNIONIN EXISTING GI PIPE 20MMNB | EA   | 469.73 | 1        | 18.47.2          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making  |

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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | good the same complete wherever required: 20mm nominal bore.  |
| 2160.    | FIXING GI UNION IN EXISTING GI PIPE25MMNB | EA   | 469.73 | 1        | 18.47.3          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 25mm nominal bore. |
| 2170.    | FIXING GI UNION INEXISTING GI PIPE32MMNB  | EA   | 469.73 | 1        | 18.47.4          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 32mm nominal bore. |
| 2180.    | FIXING GI UNION INEXISTING GI PIPE40MMNB  | EA   | 469.73 | 1        | 18.47.5          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 40mm nominal bore. |
| 2190.    | FIXING GI UNION INEXISTING GI PIPE50MMNB  | EA   | 638.80 | 1        | 18.47.6          | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 50mm nominal bore. |



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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 2200.    | FIXING GI UNION INEXISTING GI PIPE65MMNB | EA   | 638.80 | 1        | 18.47.7           | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 65mm nominal bore.                   |
| 2210.    | FIXING GI UNION INEXISTING GI PIPE80MMNB | EA   | 638.80 | 1        | 18.47.8           | :Fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 80mm nominal bore.                   |
| 2220.    | PLACING ON TERRACE WATER STORAGE TANK    | L    | 1.42   | 1        | 18.48             | :Placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank |
| 2230.    | FIXING CP BRASS BIB COCK,15MMNB          | EA   | 30.50  | 1        | 18.49.1           | :Fixing C.P. brass bib cock of approved quality conforming to IS:893115mm nominal bore.   |
| 2240.    | FIXING CP BRASS NOSE BIB COCK,15MMNB     | EA   | 42.85  | 1        | 18.50.1           | :Fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15mm nominal bore.   |
| 2250.    | FIXING CP BRASS NOSE BIB COCK,15MMNB     | EA   | 36.69  | 1        | 18.51.1           | :Fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than   |

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|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | 690 gms15mm nominal bore  |
| 2260.    | FIXINGCP BRASS STOPCOCK,15MM NB          | EA   | 30.50 | 1        | 18.52.1          | :Fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15mm nominal bore.                 |
| 2270.    | FIXING CP BRASS ANGLE VALVE ,15MMNB      | EA   | 29.82 | 1        | 18.53.1          | :Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:893115mm nominal bore |
| 2280.    | FIXING BIBCOCK,15MM NB,NOTLESS THAN 88G  | EA   | 21.25 | 1        | 18.54.1          | :Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86mm long, weighing not less than 88 gms.                        |
| 2290.    | FIXING BIBCOCK,15MM NB,NOTLESS THAN 99G  | EA   | 21.25 | 1        | 18.54.2          | :Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 122mm long, weighing not less than 99 gms.                       |
| 2300.    | FIXING BIBCOCK,15MM NB,NOTLESS THAN 110G | EA   | 21.25 | 1        | 18.54.3          | :Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 165mm long, weighing not less than 110 gms.                      |
| 2310.    | FIXING BIBCOCK,15MM NB,NOTLESS THAN 93G  | EA   | 21.25 | 1        | 18.54.4          | :Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 90mm long, weighing not less than 93 gms.                        |
|          |  |      |       |          |                  |   |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
| 2320.    | FIXING PTMT STOPCOCK ,15MM NB            | EA   | 21.25 | 1        | 18.55.1           | :Fixing PTMT stop cock of approved quality and colour. 15mm nominal bore, 86mm long, weighing not less than 88 gms.                        |
| 2330.    | FIXING PTMT STOPCOCK ,20MM NB            | EA   | 21.25 | 1        | 18.55.2           | :Fixing PTMT stop cock of approved quality and colour. 20mm nominal bore, 89mm long, weighing not less than 88 gms.                        |
| 2340.    | FIXING STOPCOCK,15MM,NOT LESS THAN 88GM  | EA   | 21.25 | 1        | 18.55.3           | :Fixing PTMT stop cock of approved quality and colour. Concealed stop cock, 15mm nominal bore, 108mm long, weighing not less than 108 gms. |
| 2350.    | FIXING PTMT PILLARCOCK,NOTLESS THAN110G  | EA   | 25.02 | 1        | 18.56.1           | :Fixing PTMT pillar cock of approved quality and colour. 15mm nominal bore, 107mm long, weighing not less than 110 gms.                    |
| 2360.    | FIXING PTMT PILLARCOCK,NOTLESS THAN120G  | EA   | 25.02 | 1        | 18.56.2           | :Fixing PTMT pillar cock of approved quality and colour. 15mm nominal bore, 125mm long foam flow, weighing not less than 120 gms.          |
| 2370.    | FIXING PTMT PUSHCOCK,WT NOT LESS THAN75G | EA   | 21.25 | 1        | 18.57.1           | :Fixing PTMT, push cock of approved quality and colour. 15mm nominal bore, 98mm long, weighing not less than 75 gms.                       |
| 2380.    | FIXING PTMT PUSHCOCK,WT NOT LESS THAN46G | EA   | 21.25 | 1        | 18.57.2           | :Fixing PTMT, push cock of approved quality and colour. 15mm nominal bore, 80mm long, weighing not less than 46 gms.                       |

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|----------|--|------|--------|----------|------------------|---|
| 2390.    | FIXING PTMT GRATING ,CIRCULAR,100MM DIA  | EA   | 10.96  | 1        | 18.58.1.1        | :Fixing PTMT grating of approved quality and colour. Circular type. 100mm nominal dia.  |
| 2400.    | FIXING PTMT GRATING ,CIRCULAR,125MM DIA  | EA   | 10.96  | 1        | 18.58.1.2        | :Fixing PTMT grating of approved quality and colour. Circular type. 125mm nominal dia with 25mm waste hole.   |
| 2410.    | FIXING PTMT GRATING,RECT.,150MM SIZE     | EA   | 10.96  | 1        | 18.58.2.1        | :Fixing PTMT grating of approved quality and colour. Rectangular type with openable circular lid. 150mm nominal size square 100mm diameter of the inner hinged round grating.           |
| 2420.    | FIXING DOUBLE ACTING CI AIR VALVE:50MMD  | EA   | 87.31  | 1        | 18.59.1          | :Fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately):50mm dia  |
| 2430.    | FIXING DOUBLE ACTING CI AIR VALVE:80MMD  | EA   | 87.31  | 1        | 18.59.2          | :Fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately):80mm dia  |
| 2440.    | FIXING DOUBLE ACTING CI AIR VALVE:100MMD | EA   | 117.90 | 1        | 18.59.3          | :Fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc. if required will be paid separately):100mm dia |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 2450.    | FIXING ENCLOSED WATER METER 80MM DIA NB | EA   | 654.48   | 1        | 18.60.1           | :Fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :80mm dia nominal bore  |
| 2460.    | FIXING ENCLOSED WATER METER 100MM DIA   | EA   | 743.07   | 1        | 18.60.2           | :Fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :100mm dia nominal bore |
| 2470.    | FIXING ENCLOSED WATER METER 150MM DIA   | EA   | 906.96   | 1        | 18.60.3           | :Fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :150mm dia nominal bore |
| 2480.    | FIXING ENCLOSED WATER METER 200MM DIA   | EA   | 1,044.06 | 1        | 18.60.4           | :Fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) :200mm dia nominal bore |
| 2490.    | FIXING CI DIRT BOX STAINER :80MM DIA    | EA   | 311.72   | 1        | 18.61.1           | :Fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS: 2373:80mm dia  |
| 2500.    | FIXING CI DIRT BOX STAINER :100MM DIA   | EA   | 400.31   | 1        | 18.61.2           | :Fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS: 2373:100mm dia.  |

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|----------|---|------|--------|----------|------------------|---|
| 2510.    | FIXING CI DIRT BOX STAINER :150MM DIA   | EA   | 495.65 | 1        | 18.61.3          | :Fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS: 2373:150mm dia   |
| 2520.    | FIXING CI DIRT BOX STAINER :200MM DIA   | EA   | 632.75 | 1        | 18.61.4          | :Fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS: 2373:200mm dia   |
| 2530.    | FIXING BALL COCK,WT NOT LESS THAN138GM  | EA   | 56.90  | 1        | 18.62.1          | :Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.15mm nominal bore, 105mm long, weighing not less than 138 gms. |
| 2540.    | FIXING BALL COCK,WT NOT LESS THAN198GM  | EA   | 70.96  | 1        | 18.62.2          | :Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.20mm nominal bore, 120mm long, weighing not less than 198 gms. |
| 2550.    | FIXING BALL COCK,WT NOT LESS THAN 440GM | EA   | 85.00  | 1        | 18.62.3          | :Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.25mm nominal bore, 152mm long, weighing not less than 440 gms. |
| 2560.    | FIXING BALL COCK,WT NOT LESS THAN 690GM | EA   | 85.00  | 1        | 18.62.4          | :Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.40mm nominal bore, 206mm long,                                 |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | weighing not less than 690 gms   |
| 2570.    | FIXING BALL COCK,WT NOT LESS THAN1240GM | EA   | 85.00  | 1        | 18.62.5          | :Fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P. / H.P.H.D. plastic ball.50mm nominal bore, 242mm long, weighing not less than 1240 gms. |
| 2580.    | FIXING PTMT ANGLE STOP COCK             | EA   | 21.25  | 1        | 18.63            | :Fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85 gms.   |
| 2590.    | FIXING PTMT SWIVELLING SHOWER           | EA   | 17.83  | 1        | 18.64            | :Fixing PTMT swivelling shower, 15mm nominal bore, weighing not less than 40gms.   |
| 2600.    | FIXING PTMT SOAP DISH HOLDER            | EA   | 17.83  | 1        | 18.65            | :Fixing PTMT Soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.   |
| 2610.    | LAYING CI SPECIALS FOR FLANGED JOINTING | QTL  | 392.53 | 1        | 18.66.1          | :Laying S&S. C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538 Up to 300mm dia   |
| 2620.    | LAYING CI SPECIALS FOR FLANGED JOINTING | QTL  | 392.53 | 1        | 18.66.2          | :Laying S&S. C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538 Above 300mm dia   |
| 2630.    | LAYING CI STD SPECILAS UPTO             | QTL  | 392.53 | 1        | 18.67.1          | :Laying S&S C.I. Standard specials suitable for  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
|          | 300MM DIA                                |      |        |          |                   | mechanical jointing as per IS : 13382 Up to 300mm dia  |
| 2640.    | LAYING CI STD SPECIALS ABOVE 300MM DIA   | QTL  | 392.53 | 1        | 18.67.2           | :Laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 Above 300mm dia  |
| 2650.    | LAYING DI SPECIAL UPTO 600MM DIA,PUSH ON | QTL  | 392.53 | 1        | 18.68.1           | :Laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523Up to 600mm dia  |
| 2660.    | LAYING DI SPECIAL ABOVE600MM DIA,PUSH    | QTL  | 392.53 | 1        | 18.68.2           | :Laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523Above 600mm dia  |
| 2670.    | LAYING DI FOR MECH. JOINTING,UPTO 600MM  | QTL  | 392.53 | 1        | 18.69.1           | :Laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Up to 600mm dia   |
| 2680.    | LAYING DI FOR MECH. JOINTING,ABOVE600MM  | QTL  | 392.53 | 1        | 18.69.2           | :Laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Above 600mm dia   |
| 2690.    | PUSH ONJOINTS TO 100MM D PIPE            | EA   | 41.86  | 1        | 18.70.1           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 100mm dia pipes |
| 2700.    | PUSH ONJOINTS TO 150MM DPIPE             | EA   | 80.35  | 1        | 18.70.2           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 150mm dia pipes |
| 2710.    | PUSH ON JOINTS TO 200MM D                | EA   | 107.14 | 1        | 18.70.3           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or   |



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| Item No. | Description                    | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--------------------------------|------|--------|----------|-------------------|--|
|          | PIPE                           |      |        |          |                   | Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 200mm dia pipes  |
| 2720.    | PUSH ON JOINTS TO 250MM D PIPE | EA   | 133.92 | 1        | 18.70.4           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 250mm dia pipes |
| 2730.    | PUSH ON JOINTS TO 300MM D PIPE | EA   | 160.71 | 1        | 18.70.5           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 300mm dia pipe  |
| 2740.    | PUSH ON JOINTS TO 350MM D PIPE | EA   | 160.71 | 1        | 18.70.6           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 350mm dia pipes |
| 2750.    | PUSH ON JOINTS TO 400MM D PIPE | EA   | 214.27 | 1        | 18.70.7           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 400mm dia pipes |
| 2760.    | PUSH ON JOINTS TO 450MM D PIPE | EA   | 241.06 | 1        | 18.70.8           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 450mm dia pipes |
| 2770.    | PUSH ON JOINTS TO 500MM D PIPE | EA   | 254.45 | 1        | 18.70.9           | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 500mm dia pipes |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 2780.    | PUSH ON JOINTS TO 600MM D PIPE          | EA   | 348.19 | 1        | 18.70.10         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 600mm dia pipes  |
| 2790.    | PUSH ON JOINTS TO 650MM D PIPE          | EA   | 412.48 | 1        | 18.70.11         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 650mm dia pipes  |
| 2800.    | PUSH ON JOINTS TO 700MM D PIPE          | EA   | 412.48 | 1        | 18.70.12         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 700mm dia pipes  |
| 2810.    | PUSH ON JOINTS TO 800MM D PIPE          | EA   | 455.33 | 1        | 18.70.13         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 800mm di a pipes |
| 2820.    | PUSH ON JOINTS TO 900MM D PIPE          | EA   | 535.68 | 1        | 18.70.14         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 900mm dia pipes  |
| 2830.    | PUSHON JOINTS TO 1000MM D PIPE          | EA   | 589.25 | 1        | 18.70.15         | :Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and including the cost of rubber gasket: 1000mm dia pipes |
| 2840.    | LAYING 100MM DIA CI DOUBLE FLANGED PIPE | M    | 56.59  | 1        | 18.71.1          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :100mm dia C.I. Double Flanged Pipe                                   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 2850.    | LAYING 150MM DIA CI DOUBLE FLAGED PIPE  | M    | 92.65  | 1        | 18.71.2          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :150mm dia C.I. Double Flanged Pipe |
| 2860.    | LAYING 200MM DIA CI DOUBLE FLAGED PIPE  | M    | 133.31 | 1        | 18.71.3          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :200mm dia C.I. Double Flanged Pipe |
| 2870.    | LAYING 250MM DIA CI DOUBLE FLAGED PIPE  | M    | 179.01 | 1        | 18.71.4          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :250mm dia C.I. Double Flanged Pipe |
| 2880.    | :LAYING 300MM DIA CI DOUBLE FLAGED PIPE | M    | 230.57 | 1        | 18.71.5          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :300mm dia C.I. Double Flanged Pipe |
| 2890.    | LAYING 350MM DIA CI DOUBLE FLAGED PIPE  | M    | 284.65 | 1        | 18.71.6          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :350mm dia C.I. Double Flanged Pipe |
| 2900.    | LAYING 400MM DIA CI DOUBLE FLAGED PIPE  | M    | 349.63 | 1        | 18.71.7          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :400mm dia C.I. Double Flanged Pipe |
| 2910.    | LAYING 450MM DIA CI DOUBLE              | M    | 422.57 | 1        | 18.71.8          | :Laying Double Flanged (screwed / welded) Centrifugally   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          | FLANGED PIPE                            |      |        |          |                   | (Spun) Cast Iron, Class B (IS : 1536) :450mm dia C.I. Double Flanged Pipe   |
| 2920.    | LAYING 500MM DIA CI DOUBLE FLANGED PIPE | M    | 492.16 | 1        | 18.71.9           | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :500mm dia C.I. Double Flanged Pipe |
| 2930.    | LAYING 600MM DIA CI DOUBLE FLANGED PIPE | M    | 661.11 | 1        | 18.71.10          | :Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :600mm dia C.I. Double Flanged Pipe |
| 2940.    | LAYING 100MM DIA DUCTILE IRON K-7 PIPE  | M    | 32.28  | 1        | 18.72.1           | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 100mm dia Ductile Iron Class K-7 pipes        |
| 2950.    | LAYING 150MM DIA DUCTILE IRON K-7 PIPE  | M    | 47.79  | 1        | 18.72.2           | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 150mm dia Ductile Iron Class K-7 pipes        |
| 2960.    | LAYING 200MM DIA DUCTILE IRON K-7 PIPE  | M    | 63.09  | 1        | 18.72.3           | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 200mm dia Ductile Iron Class K-7 pipes        |
| 2970.    | LAYING 250MM DIA DUCTILE IRON K-7 PIPE  | M    | 82.38  | 1        | 18.72.4           | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 250mm dia Ductile Iron Class K-7 pipes        |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 2980.    | LAYING 300MM DIA DUCTILE IRON K-7 PIPE | M    | 101.45 | 1        | 18.72.5          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 300mm dia Ductile Iron Class K-7 pipes |
| 2990.    | LAYING 350MM DIA DUCTILE IRON K-7 PIPE | M    | 138.34 | 1        | 18.72.6          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 350mm dia Ductile Iron Class K-7 pipes |
| 3000.    | LAYING 400MM DIA DUCTILE IRON K-7 PIPE | M    | 164.13 | 1        | 18.72.7          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 400mm dia Ductile Iron Class K-7 pipes |
| 3010.    | LAYING 450MM DIA DUCTILE IRON K-7 PIPE | M    | 191.58 | 1        | 18.72.8          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 450mm dia Ductile Iron Class K-7 pipes |
| 3020.    | LAYING 500MM DIA DUCTILE IRON K-7 PIPE | M    | 223.44 | 1        | 18.72.9          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 500mm dia Ductile Iron Class K-7 pipes |
| 3030.    | LAYING 600MM DIA DUCTILE IRON K-7 PIPE | M    | 290.52 | 1        | 18.72.10         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 600mm dia Ductile Iron Class K-7 pipes |
| 3040.    | LAYING 700MM DIA DUCTILE IRON K-7 PIPE | M    | 395.95 | 1        | 18.72.11         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 700mm dia Ductile Iron Class K-7 pipes |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 3050.    | LAYING 800MM DIA DUCTILE IRON K-7 PIPE  | M    | 510.40 | 1        | 18.72.12         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 800mm dia Ductile Iron Class K-7 pipes  |
| 3060.    | LAYING 900MM DIA DUCTILE IRON K-7 PIPE  | M    | 592.57 | 1        | 18.72.13         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 900mm dia Ductile Iron Class K-7 pipes  |
| 3070.    | LAYING 1000MM DIA DUCTILE IRON K-7 PIPE | M    | 729.86 | 1        | 18.72.14         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 1000mm dia Ductile Iron Class K-7 pipes |
| 3080.    | LAYING 100MM DIA DUCTILE IRON K-9 PIPE  | M    | 37.23  | 1        | 18.72.15         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 100mm dia Ductile Iron Class K-9 pipes  |
| 3090.    | LAYING 150MM DIA DUCTILE IRON K-9 PIPE  | M    | 55.07  | 1        | 18.72.16         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 150mm dia Ductile Iron Class K-9 pipes  |
| 3100.    | LAYING 200MM DIA DUCTILE IRON K-9 PIPE  | M    | 75.77  | 1        | 18.72.17         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 200mm dia Ductile Iron Class K-9 pipes  |
| 3110.    | LAYING 250MM DIA DUCTILE                | M    | 100.61 | 1        | 18.72.18         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes  |

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|----------|--|------|--------|----------|------------------|--|
|          | IRON K-9 PIPE                          |      |        |          |                  | conforming to IS: 8329 : 250mm dia Ductile Iron Class K-9 pipes  |
| 3120.    | LAYING 300MM DIA DUCTILE IRON K-9 PIPE | M    | 126.79 | 1        | 18.72.19         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 300mm dia Ductile Iron Class K-9 pipes |
| 3130.    | LAYING 350MM DIA DUCTILE IRON K-9 PIPE | M    | 167.12 | 1        | 18.72.20         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 350mm dia Ductile Iron Class K-9 pipes |
| 3140.    | LAYING 400MM DIA DUCTILE IRON K-9 PIPE | M    | 198.71 | 1        | 18.72.21         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 400mm dia Ductile Iron Class K-9 pipes |
| 3150.    | LAYING 450MM DIA DUCTILE IRON K-9 PIPE | M    | 232.60 | 1        | 18.72.22         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 450mm dia Ductile Iron Class K-9 pipes |
| 3160.    | LAYING 500MM DIA DUCTILE IRON K-9 PIPE | M    | 271.40 | 1        | 18.72.23         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 500mm dia Ductile Iron Class K-9 pipes |
| 3170.    | LAYING 600MM DIA DUCTILE IRON K-9 PIPE | M    | 353.57 | 1        | 18.72.24         | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 600mm dia Ductile Iron Class K-9 pipes |

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|----------|---|------|--------|----------|-------------------|---|
| 3180.    | LAYING 700MM DIA DUCTILE IRON K-9 PIPE    | M    | 455.99 | 1        | 18.72.25          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 700mm dia Ductile Iron Class K-9 pipes                                  |
| 3190.    | LAYING 750MM DIA DUCTILE IRON K-9 PIPE    | M    | 508.51 | 1        | 18.72.26          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 750mm dia Ductile Iron Class K-9 pipes                                  |
| 3200.    | LAYING 800MM DIA DUCTILE IRON K-9 PIPE    | M    | 559.87 | 1        | 18.72.27          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 800mm dia Ductile Iron Class K-9 pipes                                  |
| 3210.    | LAYING 900MM DIA DUCTILE IRON K-9 PIPE    | M    | 673.46 | 1        | 18.72.28          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 900mm dia Ductile Iron Class K-9 pipes                                  |
| 3220.    | LAYING 1000MM DIA DUCTILE IRON K-9 PIPE   | M    | 796.92 | 1        | 18.72.29          | :Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 1000mm dia Ductile Iron Class K-9 pipes                                 |
| 3230.    | LAYING 100MM DIA DOUBLE FLANGED IRON PIPE | M    | 45.69  | 1        | 18.73.1           | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:100mm dia Ductile Iron Double Flanged |
| 3240.    | LAYING 150MM DIA DOUBLE FLANGED IRON PIPE | M    | 68.33  | 1        | 18.73.2           | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:150mm dia Ductile Iron Double Flanged |



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|----------|--|------|--------|----------|------------------|---|
| 3250.    | LAYING200MM DIA DOUBLE FLANGED IRON PIPE | M    | 92.65  | 1        | 18.73.3          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:200mm dia Ductile Iron Double Flanged |
| 3260.    | LAYING250MM DIA DOUBLE FLANGED IRON PIPE | M    | 124.51 | 1        | 18.73.4          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:250mm dia Ductile Iron Double Flanged |
| 3270.    | LAYING300MM DIA DOUBLE FLANGED IRON PIPE | M    | 160.14 | 1        | 18.73.5          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:300mm dia Ductile Iron Double Flanged |
| 3280.    | LAYING350MM DIA DOUBLE FLANGED IRON PIPE | M    | 191.58 | 1        | 18.73.6          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:350mm dia Ductile Iron Double Flanged |
| 3290.    | LAYING400MM DIA DOUBLE FLANGED IRON PIPE | M    | 226.38 | 1        | 18.73.7          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:400mm dia Ductile Iron Double Flanged |
| 3300.    | LAYING450MM DIA DOUBLE FLANGED IRON PIPE | M    | 267.88 | 1        | 18.73.8          | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:450mm dia Ductile Iron Double Flanged |
| 3310.    | LAYING500MM DIA DOUBLE                   | M    | 310.22 | 1        | 18.73.9          | :Laying Double Flanged (Screwed / Welded) Centrifugally   |

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|----------|--|------|--------|----------|------------------|---|
|          | FLANGED IRON PIPE                        |      |        |          |                  | (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:500mm dia Ductile Iron Double Flanged   |
| 3320.    | LAYING600MM DIA DOUBLE FLANGED IRON PIPE | M    | 417.12 | 1        | 18.73.10         | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:600mm dia Ductile Iron Double Flanged |
| 3330.    | LAYING700MM DIA DOUBLE FLANGED IRON PIPE | M    | 534.51 | 1        | 18.73.11         | :Laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K-9 conforming to IS: 8329:700mm dia Ductile Iron Double Flanged |
| 3340.    | FIXING UNPLASTICIZED PVC PIPE,30CM L     | EA   | 32.22  | 1        | 18.74.1          | :Fixing unplasticised P.V.C. connection pipe with PTMT Nuts collar and bush of approved quality and colour. 15mm nominal bore with 30cm length.             |
| 3350.    | FIXING UNPLASTICIZED PVC PIPE,45CM L     | EA   | 35.65  | 1        | 18.74.2          | :Fixing unplasticised P.V.C. connection pipe with PTMT Nuts collar and bush of approved quality and colour. 15mm nominal bore with 45cm length.             |
| 3360.    | FIXING PTMT NIPPLE,WT NOT LESS THAN 32GM | EA   | 8.91   | 1        | 18.75.1          | :Fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. 15mm nominal bore, weighing not less than 32 gms                |
| 3370.    | FIXING PTMT NIPPLE,WT NOT LESS THAN 40GM | EA   | 8.91   | 1        | 18.75.2          | :Fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. 20mm nominal bore, weighing not less than 40gms.                |

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|----------|---|------|--------|----------|-------------------|--|
| 3380.    | FIXING PTMT NIPPLE, WT NOT LESS THAN 62GM | EA   | 8.91   | 1        | 18.75.3           | :Fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. 25mm nominal bore, weighing not less than 62 gms.  |
| 3390.    | CUTTING HOLES UPTO 30X30CM IN WALLS       | EA   | 182.26 | 1        | 18.76.1           | :Cutting holes up to 30x30cm in walls including making good the same:With F.P.S. bricks  |
| 3400.    | CUTTING HOLES UPTO 15X15CM IN FLOORS&ROOF | EA   | 274.46 | 1        | 18.77             | :Cutting holes up to 15x15cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete so as to make it leak proof. |
| 3410.    | MAKING CHASES UPTO 7.5X7.5CM IN WALLS     | M    | 108.62 | 1        | 18.78             | :Making chases up to 7.5x7.5cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.   |
| 3420.    | MAKING HOLE UPTO 20X20CM                  | M    | 71.68  | 1        | 18.79             | :Making hole up to 20x20cm and embedding pipes up to 150mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand 6 graded stone aggregate 20mm nominal size) including disposal of malba.   |
| 3430.    | DISINFECTING CI WATER MAINS 80MM DIA      | M    | 10.65  | 1        | 18.80.1           | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be  |

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|----------|---------------------------------------|------|-------|----------|------------------|---|
|          |                                       |      |       |          |                  | repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 80mm diameter C.I. pipe  |
| 3440.    | DISINFECTING CI WATER MAINS 100MM DIA | M    | 13.99 | 1        | 18.80.2          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 100mm diameter C.I. pipe |
| 3450.    | DISINFECTING CI WATER MAINS 125MM DIA | M    | 17.44 | 1        | 18.80.3          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 125mm diameter C.I. pipe |
| 3460.    | DISINFECTING CI WATER MAINS 150MM DIA | M    | 20.82 | 1        | 18.80.4          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 150mm diameter C.I. pipe |
| 3470.    | DISINFECTING CI WATER MAINS 200MM DIA | M    | 27.57 | 1        | 18.80.5          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water   |

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| Item No. | Description                           | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|-------|----------|-------------------|---|
|          |                                       |      |       |          |                   | and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 200mm diameter C.I. pipe   |
| 3480.    | DISINFECTING CI WATER MAINS 250MM DIA | M    | 34.38 | 1        | 18.80.6           | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 250mm diameter C.I. pipe |
| 3490.    | DISINFECTING CI WATER MAINS 300MM DIA | M    | 37.74 | 1        | 18.80.7           | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 300mm diameter C.I. pipe |
| 3500.    | DISINFECTING CI WATER MAINS 350MM DIA | M    | 41.09 | 1        | 18.80.8           | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 350mm diameter C.I. pipe |
| 3510.    | DISINFECTING CI WATER MAINS           | M    | 44.51 | 1        | 18.80.9           | :Disinfecting C.I. water mains by flushing with water   |

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|----------|---------------------------------------|------|-------|----------|-------------------|---|
|          | 400MM DIA                             |      |       |          |                   | containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 400mm diameter C.I. pipe   |
| 3520.    | DISINFECTING CI WATER MAINS 450MM DIA | M    | 47.88 | 1        | 18.80.10          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 450mm diameter C.I. pipe |
| 3530.    | DISINFECTING CI WATER MAINS 500MM DIA | M    | 51.35 | 1        | 18.80.11          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 500mm diameter C.I. pipe |
| 3540.    | DISINFECTING CI WATER MAINS 600MM DIA | M    | 58.05 | 1        | 18.80.12          | :Disinfecting C.I. water mains by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. 600mm diameter C.I. pipe |

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|----------|--|------|-------|----------|-------------------|---|
| 3550.    | EXTRA FOR EVERY OPERATION 80MM DIA PIPE  | M    | 3.89  | 1        | 18.81.1           | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:80mm diameter C.I. pipe  |
| 3560.    | EXTRA FOR EVERY OPERATION 100MM DIA PIPE | M    | 4.77  | 1        | 18.81.2           | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:100mm diameter C.I. pipe |
| 3570.    | EXTRA FOR EVERY OPERATION 125MM DIA PIPE | M    | 5.82  | 1        | 18.81.3           | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:125mm diameter C.I. pipe |
| 3580.    | EXTRA FOR EVERY OPERATION 150MM DIA PIPE | M    | 6.74  | 1        | 18.81.4           | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:150mm diameter C.I. pipe |
| 3590.    | EXTRA FOR EVERY OPERATION 200MM DIA PIPE | M    | 10.31 | 1        | 18.81.5           | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh   |

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|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | water, including getting the samples of water tested in the municipal laboratory:200mm diameter C.I. pipe   |
| 3600.    | EXTRA FOR EVERY OPERATION<br>250MM DIA PIPE | M    | 11.66 | 1        | 18.81.6          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:250mm diameter C.I. pipe |
| 3610.    | EXTRA FOR EVERY OPERATION<br>300MM DIA PIPE | M    | 12.91 | 1        | 18.81.7          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:300mm diameter C.I. pipe |
| 3620.    | EXTRA FOR EVERY OPERATION<br>350MM DIA PIPE | M    | 14.97 | 1        | 18.81.8          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:350mm diameter C.I. pipe |
| 3630.    | EXTRA FOR EVERY OPERATION<br>400MM DIA PIPE | M    | 17.01 | 1        | 18.81.9          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:400mm diameter C.I. pipe |



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|----------|--|------|--------|----------|-------------------|---|
| 3640.    | EXTRA FOR EVERY OPERATION 450MM DIA PIPE | M    | 19.08  | 1        | 18.81.10          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:450mm diameter C.I. pipe |
| 3650.    | EXTRA FOR EVERY OPERATION 500MM DIA PIPE | M    | 21.14  | 1        | 18.81.11          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:500mm diameter C.I. pipe |
| 3660.    | EXTRA FOR EVERY OPERATION 600MM DIA PIPE | M    | 25.20  | 1        | 18.81.12          | :Extra for every operation disinfecting the C.I. main by flushing with water containing bleaching powder at 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory:600mm diameter C.I. pipe |
| 3670.    | DISMENTLING 80MM DIA C.I. PIPES          | M    | 228.50 | 1        | 18.82.1           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 80mm diameter C.I. pipe                         |
| 3680.    | DISMENTLING 100MM DIA C.I. PIPES         | M    | 236.62 | 1        | 18.82.2           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks  |

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| Item No. | Description                      | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|----------------------------------|------|--------|----------|-------------------|---|
|          |                                  |      |        |          |                   | including stacking of pipes at site lead up to 50 metre:<br>100mm diameter C.I. pipe  |
| 3690.    | DISMENTLING 125MM DIA C.I. PIPES | M    | 243.89 | 1        | 18.82.3           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre:<br>125mm diameter C.I. pipe |
| 3700.    | DISMENTLING 150MM DIA C.I. PIPES | M    | 251.84 | 1        | 18.82.4           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre:<br>150mm diameter C.I. pipe |
| 3710.    | DISMENTLING 200MM DIA C.I. PIPES | M    | 278.35 | 1        | 18.82.5           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre:<br>100mm diameter C.I. pipe |
| 3720.    | DISMENTLING 250MM DIA C.I. PIPES | M    | 303.97 | 1        | 18.82.6           | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre:<br>250mm diameter C.I. pipe |

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|----------|----------------------------------|------|--------|----------|------------------|--|
| 3730.    | DISMENTLING 300MM DIA C.I. PIPES | M    | 327.93 | 1        | 18.82.7          | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 300mm diameter C.I. pipe |
| 3740.    | DISMENTLING 350MM DIA C.I. PIPES | M    | 351.00 | 1        | 18.82.8          | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 350mm diameter C.I. pipe |
| 3750.    | DISMENTLING 400MM DIA C.I. PIPES | M    | 371.54 | 1        | 18.82.9          | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 400mm diameter C.I. pipe |
| 3760.    | DISMENTLING 450MM DIA C.I. PIPES | M    | 392.67 | 1        | 18.82.10         | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 450mm diameter C.I. pipe |
| 3770.    | DISMENTLING 500MM DIA C.I. PIPES | M    | 410.97 | 1        | 18.82.11         | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks   |

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|----------|--------------------------------------|------|--------|----------|-------------------|---|
|          |                                      |      |        |          |                   | including stacking of pipes at site lead up to 50 metre: 500mm diameter C.I. pipe   |
| 3780.    | DISMENTLING 600MM DIA C.I. PIPES     | M    | 442.55 | 1        | 18.82.12          | :Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes at site lead up to 50 metre: 600mmdiameter C.I. pipe |
| 3790.    | LABOUR FOR CUTTING CI PIPE 80MM DIA  | EA   | 89.33  | 1        | 18.83.1           | :Labour for cutting C.I. pipe with steel saw. 80mm diameter C.I. pipe   |
| 3800.    | LABOUR FOR CUTTING CI PIPE 100MM DIA | EA   | 119.91 | 1        | 18.83.2           | :Labour for cutting C.I. pipe with steel saw. 100mm diameter C.I. pipe  |
| 3810.    | LABOUR FOR CUTTING CI PIPE 125MM DIA | EA   | 166.62 | 1        | 18.83.3           | :Labour for cutting C.I. pipe with steel saw. 125mm diameter C.I. pipe  |
| 3820.    | LABOUR FOR CUTTING CI PIPE 150MM DIA | EA   | 225.39 | 1        | 18.83.4           | :Labour for cutting C.I. pipe with steel saw. 150mm diameter C.I. pipe  |
| 3830.    | LABOUR FOR CUTTING CI PIPE 200MM DIA | EA   | 300.63 | 1        | 18.83.5           | :Labour for cutting C.I. pipe with steel saw. 200mm diameter C.I. pipe  |
| 3840.    | LABOUR FOR CUTTING CI PIPE 250MM DIA | EA   | 373.49 | 1        | 18.83.6           | :Labour for cutting C.I. pipe with steel saw. 250mm diameter C.I. pipe  |

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|----------------------|---|------|--------|----------|-------------------|---|
| 3850.                | LABOUR FOR CUTTING CI PIPE 300MM DIA    | EA   | 448.72 | 1        | 18.83.7           | :Labour for cutting C.I. pipe with steel saw. 300mm diameter C.I. pipe  |
| 3860.                | LABOUR FOR CUTTING CI PIPE 350MM DIA    | EA   | 521.56 | 1        | 18.83.8           | :Labour for cutting C.I. pipe with steel saw. 350mm diameter C.I. pipe  |
| 3870.                | LABOUR FOR CUTTING CI PIPE 400MM DIA    | EA   | 596.47 | 1        | 18.83.9           | :Labour for cutting C.I. pipe with steel saw. 400mm diameter C.I. pipe  |
| 3880.                | LABOUR FOR CUTTING CI PIPE 450MM DIA    | EA   | 669.66 | 1        | 18.83.10          | :Labour for cutting C.I. pipe with steel saw. 450mm diameter C.I. pipe  |
| 3890.                | LABOUR FOR CUTTING CI PIPE 500MM DIA    | EA   | 744.56 | 1        | 18.83.11          | :Labour for cutting C.I. pipe with steel saw. 500mm diameter C.I. pipe  |
| 3900.                | LABOUR FOR CUTTING CI PIPE 600MM DIA    | EA   | 887.83 | 1        | 18.83.12          | :Labour for cutting C.I. pipe with steel saw. 600mm diameter C.I. pipe  |
| 3910.                | Labour for fixing sensor pillar cock    | EA   | 21.25  | 1        | 18.84.1           | Labour for fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology - 15 mm nominal bore. |
| <b>19 : DRAINAGE</b> |   |      |        |          |                   |   |
| 10.                  | GLAZED STONEWARE PIPE-100 MM-MORTAR 1:1 | M    | 131.60 | 1        | 19.1.1            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1                         |

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|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | (1 cement : 1 fine sand) including testing of joints etc. complete:100mm diameter  |
| 20.      | GLAZED STONEWARE PIPE-150 MM-MORTAR 1:1 | M    | 176.24 | 1        | 19.1.2            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:150mm diameter          |
| 30.      | GLAZED STONEWARE PIPE-200 MM-MORTAR 1:1 | M    | 204.26 | 1        | 19.1.3            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:200mm diameter          |
| 40.      | GLAZED STONEWARE PIPE-230 MM-MORTAR 1:1 | M    |        | 1        | 19.1.4            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:230mm diameter(Deleted) |
| 50.      | GLAZED STONEWARE PIPE-250 MM-MORTAR 1:1 | M    | 254.60 | 1        | 19.1.5            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:250mm diameter          |
| 60.      | GLAZED STONEWARE PIPE-300 MM-MORTAR 1:1 | M    | 276.92 | 1        | 19.1.6            | :Laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:300mm diameter          |

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|----------|--|------|--------|----------|-------------------|--|
| 70.      | C.C 1:5:10 ALROUND SW PIPES 100 MM DIA | M    | 244.17 | 1        | 19.2.1            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:100mm diameter S.W. pipe          |
| 80.      | C.C 1:5:10 ALROUND SW PIPES 200 MM DIA | M    | 298.61 | 1        | 19.2.2            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:150mm diameter S.W. pipe          |
| 90.      | CC 1:5:10 ALROUND SW PIPES 230 MM DIA  | M    | 348.11 | 1        | 19.2.3            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:200mm diameter S.W. pipe          |
| 100.     | CC 1:5:10 ALROUND SW PIPES 250 MM DIA  | M    | 402.55 | 1        | 19.2.4            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:230mm diameter S.W. pipe          |
| 110.     | C.C 1:5:10 HAUNCHES S.W. PIPES 100 MM  | M    |        | 1        | 19.2.5            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round S.W. pipes including bed concrete as per standard design:250mm diameter S.W. pipe(Deleted) |
| 120.     | C.C 1:5:10 HAUNCHES S.W.               | M    | 116.05 | 1        | 19.3.1            | :Laying cement concrete 1:5:10 (1 cement : 5 coarse sand   |

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|----------|---------------------------------------|------|--------|----------|------------------|---|
|          | PIPES 100 MM                          |      |        |          |                  | : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design: 100mm diameter S.W. pipe   |
| 130.     | C.C 1:5:10 HAUNCHES S.W. PIPES 150 MM | M    | 188.08 | 1        | 19.3.2           | : Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design: 150mm diameter S.W. pipe |
| 140.     | C.C 1:5:10 HAUNCHES S.W. PIPES 200 MM | M    | 221.07 | 1        | 19.3.3           | : Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design: 200mm diameter S.W. pipe |
| 150.     | C.C 1:5:10 HAUNCHES S.W. PIPES 250 MM | M    | 257.37 | 1        | 19.3.4           | : Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design: 300mm diameter S.W. pipe |
| 160.     | C.C 1:5:10 HAUNCHES S.W. PIPES 300 MM | M    | 296.96 | 1        | 19.3.5           | : Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design: 250mm diameter S.W. pipe |
| 170.     | C.C 1:5:10 HAUNCHES S.W. PIPES 300 MM | M    |        | 1        | 19.3.6           | : Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of S.W. pipes including bed concrete as per   |



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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | standard design:300mm diameter S.W. pipe(Deleted)   |
| 180.     | SWGULLYTRAP(100MMX100MMP)<br>F.P.S.BRICK -75 | EA   | 457.07 | 1        | 19.4.1.1         | :Fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :100x100mm size P type:With F.P.S. Bricks class designation 75    |
| 190.     | S.W.GULLYTRAP(100MMX100MM<br>P)SEWER BRICK   | EA   | 418.94 | 1        | 19.4.1.2         | :Fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :100x100mm size P type:With Sewer bricks conforming to IS : 4885  |
| 200.     | SWGULLYTRAP(150MMX100MMP)<br>F.P.S.BRICK -75 | EA   | 442.76 | 1        | 19.4.2.1         | :Fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :150 x 100mm size P type.:With F.P.S. bricks class designation 75 |
| 210.     | S.W.GULLYTRAP(150MMX100MM                    | EA   | 404.63 | 1        | 19.4.2.2         | :Fixing square-mouth S.W. gully trap class SP-1 complete  |

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|----------|--|------|--------|----------|-------------------|---|
|          | P)SEWER BRICK                                |      |        |          |                   | with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :150 x 100mm size P type.:With sewer bricks conforming to IS : 4885  |
| 220.     | SWGULLYTRAP(180MMX150MMP)<br>F.P.S.BRICK -75 | EA   | 413.71 | 1        | 19.4.3.1          | :Fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :180x150mm size P type:With F.P.S. bricks class designation 75. |
| 230.     | S.W.GULLYTRAP(180MMX150MM)<br>P)SEWER BRICK  | EA   | 375.58 | 1        | 19.4.3.2          | :Fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :180x150mm size P typeWith sewer bricks conforming to IS : 4885 |
| 240.     | DISMANTLING OLD SW PIPE-100<br>MM            | M    | 49.76  | 1        | 19.5.1            | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 100mm diameter  |

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|----------|--------------------------------|------|-------|----------|------------------|---|
| 250.     | DISMANTLING OLD SW PIPE-150 MM | M    | 55.03 | 1        | 19.5.2           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 150mm diameter          |
| 260.     | DISMANTLING OLD SW PIPE-200 MM | M    | 58.54 | 1        | 19.5.3           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 200mm diameter          |
| 270.     | DISMANTLING OLD SW PIPE-230 MM | M    |       | 1        |                  | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 230mm diameter(Deleted) |
| 280.     | DISMANTLING OLD SW PIPE-250 MM | M    | 62.05 | 1        | 19.5.4           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 250mm diameter          |
| 290.     | DISMANTLING OLD SW PIPE-300 MM | M    | 65.56 | 1        | 19.5.5           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 300mm diameter          |
| 300.     | DISMANTLING OLD SW PIPE-350    | M    | 75.52 | 1        | 19.5.6           | :Dismantling of old S.W. pipes including breaking of joints   |

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|----------|--|------|--------|----------|------------------|--|
|          | MM                                       |      |        |          |                  | and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 350mm diameter   |
| 310.     | DISMANTLING OLD SW PIPE-400 MM           | M    | 82.54  | 1        | 19.5.7           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 400mm diameter                 |
| 320.     | DISMANTLING OLD SW PIPE-450 MM           | M    | 86.05  | 1        | 19.5.8           | :Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50m lead and disposal of unserviceable materials into municipal dumps: 450mm diameter                 |
| 330.     | 100 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 96.07  | 1        | 19.6.1           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:100mm dia. R.C.C. pipe |
| 340.     | 150 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 115.41 | 1        | 19.6.2           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:150mm dia. R.C.C. pipe |
| 350.     | 250 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 184.96 | 1        | 19.6.3           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | testing of joints etc. complete:250mm dia. R.C.C. pipe   |
| 360.     | 300 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 170.54 | 1        | 19.6.4           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:300mm dia. R.C.C. pipe |
| 370.     | 450 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 223.46 | 1        | 19.6.5           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:450mm dia. R.C.C. pipe |
| 380.     | 500 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 239.53 | 1        | 19.6.6           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:500mm dia. R.C.C. pipe |
| 390.     | 600 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 268.41 | 1        | 19.6.7           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:600mm dia. R.C.C. pipe |
| 400.     | 700 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR) | M    | 304.61 | 1        | 19.6.8           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:700mm dia. R.C.C. pipe |

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|----------|---|------|----------|----------|-------------------|---|
| 410.     | 800 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)    | M    | 334.07   | 1        | 19.6.9            | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:800mm dia. R.C.C. pipe  |
| 420.     | 900 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)    | M    | 398.28   | 1        | 19.6.10           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:900mm dia. R.C.C. pipe  |
| 430.     | 1000 MM DIA N.P2.R.C.C. PIPE(1:2 MORTAR)    | M    | 492.72   | 1        | 19.6.11           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:1000mm dia. R.C.C. pipe |
| 440.     | 1100 MM DIA N.P2R.C.C. PIPE(1:2 MORTAR)     | M    | 631.47   | 1        | 19.6.12           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:1100mm dia. R.C.C. pipe |
| 450.     | 1200 MM DIA N.P2R.C.C. PIPE(1:2 MORTAR)     | M    | 793.09   | 1        | 19.6.13           | :Laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete:1200mm dia. R.C.C. pipe |
| 460.     | MNHOLE-45CMDEPTH<br>FPS.BRICK-38KGCOVER WGT | EA   | 2,698.04 | 1        | 19.7.1.1          | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4   |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 90x80cm and 45cm deep including C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):With F.P.S. bricks with class designation 75. |
| 470.     | MNHOLE-45CMDEPTH<br>SWR.BRICK-38KGCOVER WGT | EA   | 2,598.31 | 1        | 19.7.1.2          | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 90x80cm and 45cm deep including C.I. cover with frame (light duty) 455x610mm internal  |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):With Sewer bricks conforming to IS : 4885   |
| 480.     | MNHOLE-90CMDEPTH<br>FPS.BRICK-58KGCOVER WGT | EA   | 5,126.73 | 1        | 19.7.2.1          | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 120x90cm and 90cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :With F.P.S. bricks class designation 75 |
| 490.     | MNHOLE-90CMDEPTH<br>SWR.BRICK-58KGCOVER WGT | EA   | 4,853.94 | 1        | 19.7.2.2          | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement  |



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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 120x90cm and 90cm deep including C.I. cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :With Sewer bricks conforming to IS : 4885  |
| 500.     | MNHOLE-90CMDEPTH<br>FPS.BRIK-208KGCOVER WGT | EA   | 5,036.17 | 1        | 19.7.3.1         | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 120x90cm and 90cm deep including C.I. cover with frame (heavy duty) 560mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg)With F.P.S. bricks class designation 75 |

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| Item No. | Description                                 | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 510.     | MNHOLE-90CMDEPTH<br>SWR.BRIK-208KGCOVER WGT | EA   | 4,801.51 | 1        | 19.7.3.2          | :Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design:Inside size 120x90cm and 90cm deep including C.I. cover with frame (heavy duty) 560mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg)With Sewer bricks conforming to IS : 4885 |
| 520.     | EXTRA DPTHNMNHOLE90X80 CM<br>F.P.S. BRICKS  | M    | 2,326.31 | 1        | 19.8.1.1          | :Extra for depth for manholes :Size 90x80cm:With F.P.S. bricks class designation 75   |
| 530.     | EXTRA DPTH MNHOLE 90X80 CM<br>SEWER BRICKS  | M    | 2,035.92 | 1        | 19.8.1.2          | :Extra for depth for manholes :Size 90x80cm:With F.P.S. bricks class designation 75 With Sewer bricks conforming to IS : 4885   |
| 540.     | EXTRA DPTHNMANHOLE 120X90<br>CM F.P.S. BRIK | M    | 2,803.38 | 1        | 19.8.2.1          | :Extra for depth for manholes :Size 120x90cm:With F.P.S. bricks class designation 75  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 550.     | EXTRA DPTHNMANHOLE 120X90 CM SEWER BRIK | M    | 2,457.26 | 1        | 19.8.2.2          | :Extra for depth for manholes :Size 120x90cm:With Sewer bricks conforming to IS : 4885   |
| 560.     | CIRCULAR MANHOLE 0.91M ID FPS BRICK     | EA   | 3,004.39 | 1        | 19.9.1.1          | :Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :0.91m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With F.P.S. bricks class designation 75 |
| 570.     | CIRCULAR MANHOLE 0.91M ID SEWER BRICK   | EA   | 2,826.35 | 1        | 19.9.1.2          | :Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement   |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :0.91m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With Sewer bricks conforming to IS : 4885 |
| 580.     | EXTRA DEPTH >0.91M & < 1.67M<br>F.P.S. BRIK | M    | 2,015.03 | 1        | 19.10.1          | :Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91m to 1.67m With F.P.S. bricks class designation 75   |
| 590.     | EXTRA DEPTH >0.91M & < 1.67M<br>SEWER BRIK  | M    | 1,771.88 | 1        | 19.10.2          | :Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91m to 1.67m With Sewer bricks conforming IS : 4885  |
| 600.     | CIRCULAR MANHOLE                            | EA   | 6,014.08 | 1        | 19.11.1.1        | :Constructing brick masonry circular manhole 1.22m  |

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| Item No. | Description                          | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--------------------------------------|------|----------|----------|------------------|--|
|          | 1.22MIDF.P.S. BRICK                  |      |          |          |                  | internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :1.68 m deep with SFRC cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With F.P.S. bricks class designation 75 |
| 610.     | CIRCULAR MANHOLE 1.22MID SEWER BRICK | EA   | 5,613.12 | 1        | 19.11.1.2        | :Constructing brick masonry circular manhole 1.22m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2  |

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|----------|---|------|-----------|----------|-------------------|--|
|          |   |      |           |          |                   | coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design :1.68 m deep with SFRC cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With Sewer bricks conforming IS : 4885 |
| 620.     | EXTRA DPTH >1.68 M< 2.29 M F.P.S. BRICK | M    | 2,642.21  | 1        | 19.12.1           | :Extra depth for circular type manhole 1.22m internal dia (at bottom) beyond 1.68 m to 2.29 m : With F.P.S. bricks class designation 75  |
| 630.     | EXTRA DPTH >1.68 M< 2.29 M SEWER BRICK  | M    | 2,324.85  | 1        | 19.12.2           | :Extra depth for circular type manhole 1.22m internal dia (at bottom) beyond 1.68 m to 2.29 m : With Sewer bricks conforming IS : 4885   |
| 640.     | CIRCULAR MANHOLE 1.52MIDF.P.S. BRICK    | EA   | 12,709.89 | 1        | 19.13.1.1         | :Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6   |

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| Item No. | Description                          | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--------------------------------------|------|-----------|----------|------------------|--|
|          |                                      |      |           |          |                  | graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design:2.30m deep with SFRC cover and frame (heavy duty HD- 20 grade designation) 560mm internal diameter conforming to IS:12592, total weight of cover and frame to be not less than 182kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With F.P.S. bricks class designation 75 |
| 650.     | CIRCULAR MANHOLE 1.52MID SEWER BRICK | EA   | 11,585.32 | 1        | 19.13.1.2        | :Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement all complete as per standard design:2.30m deep with SFRC cover and frame (heavy duty HD- 20 grade designation) 560mm internal diameter conforming to IS:12592, total                     |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | weight of cover and frame to be not less than 182kg fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :With Sewer bricks conforming IS : 4885 |
| 660.     | EXTRA DEPTH >2.30 M F.P.S. BRICK         | M    | 5,572.83 | 1        | 19.14.1           | :Extra depth for circular type manhole 1.52m internal dia (at bottom) beyond 2.30m : With F.P.S. bricks class designation 75  |
| 670.     | EXTRA DEPTH >2.30 M SEWER BRICK          | M    | 4,752.16 | 1        | 19.14.2           | :Extra depth for circular type manhole 1.52m internal dia (at bottom) beyond 2.30m : With Sewer bricks conforming IS : 4885   |
| 680.     | M.S.FOOTREST IN MANHOLES 20 MMSQUARE BAR | EA   | 203.57   | 1        | 19.15.1           | :Fixing M.S. foot rests including fixing in manholes with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) as per standard design:With 20x20mm square bar  |
| 690.     | M.S.FOOTREST IN MANHOLES 20 MM ROUND BAR | EA   | 203.57   | 1        | 19.15.2           | :Fixing M.S. foot rests including fixing in manholes with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) as per standard designWith 20mm diameter round bar  |



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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 700.     | ORANGE COLOUR SAFETY FOOT REST-6MM THICK | EA   | 215.23 | 1        | 19.16             | :Fixing orange colour safety foot rest of minimum 6mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23mmx25mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete as per design. |
| 710.     | REPLACE M.S.FOOT REST-20 MM SQUARE BAR   | EA   | 278.06 | 1        | 19.17.1           | :Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) :With 20x20mm square bar   |
| 720.     | REPLACE M.S.FOOT REST-20 MM ROUND BAR    | EA   | 278.06 | 1        | 19.17.2           | :Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) :With 20mm diameter round bar  |

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| Item No. | Description                                    | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 730.     | FIXING C.I. COVER IN MANHOLE >23 KG.           | EA   | 89.10  | 1        | 19.18.1           | :Fixing C.I. cover without frame for manholes: 455x610mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.                  |
| 740.     | FIXING C.I. COVER IN MANHOLE >58 KG.           | EA   | 105.77 | 1        | 19.18.2           | :Fixing C.I. cover without frame for manholes: 500mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg.                        |
| 750.     | FIXING C.I. COVER IN MANHOLE <108 KG.          | EA   | 112.75 | 1        | 19.18.3           | :Fixing C.I. cover without frame for manholes: 560mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg.                        |
| 760.     | PRCSTRCC M/H COVER RECTANGULAR 600*450MM LD2.5 | EA   | 119.55 | 1        | 19.19.1.1         | :Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D - 2.5<br>:Rectangular shape 600x450mm internal dimensions |
| 770.     | PRECAST RCC M/H COVER SQUARE 450 MM LD2.5      | EA   | 103.04 | 1        | 19.19.1.2         | :Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D - 2.5<br>:Square shape 450mm internal dimensions          |
| 780.     | PRECAST RCC M/H COVER CIRCULAR 450MM LD2.5     | EA   | 103.04 | 1        | 19.19.1.3         | :Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D - 2.5<br>:Circular shape 450mm internal diameter          |
| 790.     | PRECAST RCC M/H COVER                          | EA   | 127.77 | 1        | 19.19.2.1         | :Fixing in position pre-cast R.C.C. manhole cover and  |

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| Item No. | Description                                   | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          | SQ.450*450MMMD10                              |      |        |          |                  | frame of required shape and approved quality M D -10<br>:Square shape 450mm internal dimension  |
| 800.     | PRECASTRCC M/H COVER<br>CIRCULAR 500MMMD10    | EA   | 111.26 | 1        | 19.19.2.2        | :Fixing in position pre-cast R.C.C. manhole cover and<br>frame of required shape and approved quality M D -10<br>:Circular shape 500mm internal diameter  |
| 810.     | PRCSTRCC M/H<br>COVERCIRCULAR560 MM(HD20)     | EA   | 138.69 | 1        | 19.19.3.1        | :Fixing in position pre-cast R.C.C. manhole cover and<br>frame of required shape and approved quality HD - 20<br>Circular shape 560mm internal diameter   |
| 820.     | PRCSTRCC M/H<br>COVERCIRCULAR560<br>MM(EHD20) | EA   | 138.69 | 1        | 19.19.4.1        | :Fixing in position pre-cast R.C.C. manhole cover and<br>frame of required shape and approved quality EHD -<br>35:Circular shape 560mm internal dia.  |
| 830.     | C.I. COVER 300X300 MM >4.5KG.                 | EA   | 24.68  | 1        | 19.20            | :Fixing C.I. cover 300x300mm without frame for gully trap<br>(standard pattern) the weight of cover to be not less than<br>4.5kg.   |
| 840.     | CONNECTING DRAIN/S/L<br>WITHM/H 100-230 MM    | EA   | 448.80 | 1        | 19.21.1          | :Making connection of drain or sewer line with existing<br>manhole including breaking into and making good the<br>walls, floors with cement concrete 1:2:4 mix (1 cement : 2<br>coarse sand : 4 graded stone aggregate 20mm nominal<br>size) cement plastered on both sides with cement mortar<br>1:3 (1 cement : 3 coarse sand) finished with a floating coat<br>of neat cement and making necessary channels for the<br>drain etc. complete:For pipes 100 to 230mm diameter |

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|----------|--|------|----------|----------|------------------|--|
| 850.     | CONNECTING DRAIN/S/L WITHM/H 250-300 MM  | EA   | 481.21   | 1        | 19.21.2          | :Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete:For pipes 250 to 300mm diameter |
| 860.     | CONNECTING DRAIN/S/L WITHM/H 350-450 MM  | EA   | 679.43   | 1        | 19.21.3          | :Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete:For pipes 350 to 450mm diameter |
| 870.     | 100 MM DIA SAND CAST IRONDROP CONNECTION | EA   | 4,913.55 | 1        | 19.22.1          | :Fixing sand cast iron drop connection externally for 60cm drop from branch sewer line to main sewer manhole including inspection and cleaning eye with chain and lid, sand cast iron drop pipe and bend encased all-round with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) with all centering and shuttering required, cutting holes in walls and making good with brick work in cement mortar 1:4 (1 |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | cement : 4 coarse sand) plastered with cement mortar 1:3 (1 cement : 3 coarse sand) on inside of the manhole wall lead caulked joints between sand cast iron pipes and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications:100mm dia. sand cast iron drop connection  |
| 880.     | 150 MM DIASAND CAST IRONDROP CONNECTION | EA   | 6,432.19 | 1        | 19.22.2          | :Fixing sand cast iron drop connection externally for 60cm drop from branch sewer line to main sewer manhole including inspection and cleaning eye with chain and lid, sand cast iron drop pipe and bend encased all-round with cement concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) with all centering and shuttering required, cutting holes in walls and making good with brick work in cement mortar 1:4 (1 cement : 4 coarse sand) plastered with cement mortar 1:3 (1 cement : 3 coarse sand) on inside of the manhole wall lead caulked joints between sand cast iron pipes and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications:150mm dia. sand cast iron drop connection |
| 890.     | EXTRA FOR DEPTHS >60 CM-100 MM DIA.DROP | M    | 977.19   | 1        | 19.23.1          | :Extra for depths beyond 60cm of sand cast iron drop connection complete:For 100mm dia. sand cast iron drop connection  |

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|----------|--|------|----------|----------|------------------|---|
| 900.     | EXTRA FOR DEPTHS >60 CM-150 MM DIA.DROP  | M    | 1,132.71 | 1        | 19.23.2          | :Extra for depths beyond 60cm of sand cast iron drop connection complete:For 150mm dia. sand cast iron drop connection.   |
| 910.     | DISMANTLINGM/H RECT.90X80CM &45 CM DEEP  | EA   | 1,429.81 | 1        | 19.24.1          | :Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead:Rectangular manhole 90x80cm and 45cm deep             |
| 920.     | DISMANTLINGM/H RECT.120X90 CM&90 CM DEEP | EA   | 2,513.75 | 1        | 19.24.2          | :Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead:Rectangular manhole 120x90cm and 90cm deep            |
| 930.     | DISMANTLEM/H RECT.140X90CM&2.45MDEEP     | EA   | 4,755.47 | 1        | 19.24.3          | :Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead:Rectangular arch type manhole 140x90cm and 2.45m deep |
| 940.     | DISMANTLE R.C.CCIRCULAR M/H 122 CM DIA   | EA   | 3,640.08 | 1        | 19.24.4          | :Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead:Circular manhole                                      |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | 122cm diameter and 1.68 m deep   |
| 950.     | EXTRA FORDEPTHM/HDISMANTLED:90X80X45 CM  | M    | 1,147.15 | 1        | 19.25.1          | :Extra for depth of manholes dismantled: Rectangular manhole 90x80cm and 45cm deep   |
| 960.     | EXTRA FORDEPTHM/HDISMANTLED:120X90X90 CM | M    | 1,366.39 | 1        | 19.25.2          | :Extra for depth of manholes dismantled: Rectangular manhole 120x90cm and 90cm deep  |
| 970.     | EXTRA FORDEPTHM/HDISMANTLED:140X90CM     | M    | 1,106.83 | 1        | 19.25.3          | :Extra for depth of manholes dismantled: Rectangular arch type manhole 140x90cm and 2.45m deep (up to 4.25 m depth).   |
| 980.     | EXTRA DPTH CIRCULR M/H DISMANTL-122 CM   | M    | 1,248.57 | 1        | 19.25.4          | :Extra for depth of manholes dismantled: Circular manhole 122cm diameter and 1.68m deep (up to 2.29 m depth)   |
| 990.     | RAISE M/H RECTANGULAR COVER 600X450 MM   | EA   | 1,245.29 | 1        | 19.26.1          | :Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) : Rectangular manhole 90x80cm with rectangular cover 600x450mm of grade LD - 2.5 |
| 1000.    | RAISING M/H CIRCULAR COVER 500 MM DIA    | EA   | 1,981.57 | 1        | 19.26.2          | :Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) : Rectangular manhole 120x90cm with circular cover 500mm dia of grade MD - 10    |

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|----------|---------------------------------------|------|----------|----------|-------------------|---|
| 1010.    | RAISING M/H CIRCULAR COVER 560 MM DIA | EA   | 1,852.57 | 1        | 19.26.3           | :Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) : Rectangular manhole 120x90cm with circular cover 560mm dia of grade HD - 20   |
| 1020.    | RAISING M/H CIRCULAR COVER 600 MM DIA | EA   | 176.53   | 1        | 19.26.4           | :Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required (Raising depth of manhole to be paid separately) : Circular manhole 140cm dia with circular cover 600mm dia of grade EHD - 35    |
| 1030.    | ROAD GULLY CHAMBER 50X45X60CM         | EA   | 1,571.77 | 1        | 19.27.1           | :Constructing brick masonry road gully chamber 50x45x60cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :With F.P.S. bricks |
| 1040.    | ROAD GULLY CHAMBER 45X45X77.5CM       | EA   | 1,836.42 | 1        | 19.28.1           | :Constructing brick masonry road gully chamber 45x45x77.5cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) with pre-cast R.C.C. vertical grating complete as per standard design:With F.P.S. Bricks                            |
| 1050.    | ROAD GULLY CHAMBER 110X50X77.5CM      | EA   | 3,071.29 | 1        | 19.29.1           | :Constructing brick masonry road gully chamber 110x50x77.5cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including  |



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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | 500x450mm pre-cast R.C.C. horizontal grating with frame and vertical grating complete as per standard design:With F.P.S. bricks   |
| 1060.    | BRICK MASONRY CHAMBER455X610MM&45CM DEEP | EA   | 1,520.95 | 1        | 19.30.1.1        | :Constructing brick masonry chamber for underground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:Inside dimensions 455x610mm and 45cm deep for single pipe line:With F.P.S. bricks |
| 1070.    | BRICK MASONRY CHAMBER500X700MM&45CM DEEP | EA   | 1,742.01 | 1        | 19.30.2.1        | :Constructing brick masonry chamber for underground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse   |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | sand : 4 graded stone aggregate 20mm nominal size)<br>foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:Inside dimensions 500x700mm and 45cm deep for pipe line with one or two inlets:With F.P.S. bricks  |
| 1080.    | BRICK MASONRY CHAMBER600X850MM&45CM DEEP | EA   | 2,169.26 | 1        | 19.30.3.1         | :Constructing brick masonry chamber for underground C.I. inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:Inside dimensions 600x 850mm and 45cm deep for pipe line with three or more inlets:With F.P.S. bricks |
| 1090.    | EXTRA DEPTH CHAMBER:                     | M    | 1,588.01 | 1        | 19.31.1.1         | :Extra for depth beyond 45cm of brick masonry   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
|          | 455X610 MM SIZE                          |      |          |          |                   | chamber:For 455x610mm size:With F.P.S. bricks   |
| 1100.    | EXTRA DEPTH CHAMBER:<br>500X700 MM SIZE  | M    | 1,742.25 | 1        | 19.31.2.1         | :Extra for depth beyond 45cm of brick masonry chamber:<br>For 500x700mm size With F.P.S. bricks   |
| 1110.    | EXTRA DEPTH CHAMBER<br>600X850 MM SIZE   | M    | 2,042.47 | 1        | 19.31.3.1         | :Extra for depth beyond 45cm of brick masonry chamber:<br>For 600x850mm size:With F.P.S. bricks   |
| 1120.    | MAKING SOAK PIT (75 DEG<br>CLASS BRICK)  | EA   | 8,468.13 | 1        | 19.32.1           | :Making soak pit 2.5 m diameter 3.0 metre deep with 45 x<br>45cm dry brick honey comb shaft with bricks of class<br>designation 75 and S.W. drain pipe 100mm diameter, 1.8<br>m long complete as per standard design.:With F.P.S.<br>bricks |
| 1130.    | CONSTRUCTING SOAK<br>PIT(BRICKBATS)      | EA   | 836.46   | 1        | 19.33             | :Constructing soak pit 1.20x1.20x1.20m filled with<br>brickbats including S.W. drain pipe 100mm diameter and<br>1.20m long complete as per standard design.   |
| 1140.    | S.W. INTERCEPTING TRAP M/H<br>100 MM DIA | EA   | 81.70    | 1        | 19.34.1           | :Fixing S.W. intercepting trap in manholes with stiff<br>mixture of cement mortar 1:1 (1 cement : 1 fine sand)<br>including testing of joints etc. complete: 100mm dia  |
| 1150.    | S.W. INTERCEPTING TRAP M/H<br>150 MM DIA | EA   | 118.07   | 1        | 19.34.2           | :Fixing S.W. intercepting trap in manholes with stiff<br>mixture of cement mortar 1:1 (1 cement : 1 fine sand)<br>including testing of joints etc. complete: 150mm dia  |

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|-----------------------|---|------|----------|----------|-------------------|--|
| <b>20 : PILE WORK</b> |   |      |          |          |                   |  |
| 10.                   | DRIVEN CAST-IN-SITU RCC PILE-400 MM DIA | M    | 1,320.65 | 1        | 20.1.1            | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):400mm dia piles |
| 20.                   | DRIVEN CAST-IN-SITU RCC PILE-450 MM DIA | M    | 1,672.62 | 1        | 20.1.2            | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):450mm dia piles |
| 30.                   | DRIVEN CAST-IN-SITU RCC PILE-500 MM DIA | M    | 2,070.09 | 1        | 20.1.3            | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):500mm dia piles  |
| 40.      | DRIVEN CAST-IN-SITU RCC PILE-550 MM DIA | M    | 2,164.52 | 1        | 20.1.4           | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):550mm dia piles  |
| 50.      | DRIVEN CAST-IN-SITU RCC PILE-750 MM DIA | M    | 3,637.55 | 1        | 20.1.5           | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):750mm dia piles. |
| 60.      | DRIVENCAST-IN-SITU RCC PILE-1000 MM DIA | M    | 5,824.72 | 1        | 20.1.6           | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):1000mm dia piles.   |
| 70.      | DRIVENCAST-IN-SITU RCC PILE-1200 MM DIA | M    | 7,127.45 | 1        | 20.1.7           | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):1200mm dia piles. |
| 80.      | DRIVENCAST-IN-SITU RCC PILE-1500 MM DIA | M    | 9,582.23 | 1        | 20.1.8           | :Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M 35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc. all complete. (Length of pile for payment shall be measured from top of shoe to the bottom of pile cap):1500mm dia piles. |

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|----------|--|------|----------|----------|------------------|---|
| 90.      | BORED CAST-IN-SITU RCC PILE-300 MM DIA | M    | 1,013.16 | 1        | 20.2.1           | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap):.300mm dia piles |
| 100.     | BORED CAST-IN-SITU RCC PILE-400 MM DIA | M    | 1,149.02 | 1        | 20.2.2           | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap):.400mm dia piles |
| 110.     | BORED CAST-IN-SITU RCC                 | M    | 1,493.30 | 1        | 20.2.3           | :Boring, providing and installing bored cast-in-situ  |

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|----------|--|------|----------|----------|------------------|--|
|          | PILE-450 MM DIA                        |      |          |          |                  | reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:450mm dia piles   |
| 120.     | BORED CAST-IN-SITU RCC PILE-500 MM DIA | M    | 2,229.75 | 1        | 20.2.4           | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:500mm dia. piles |
| 130.     | BORED CAST-IN-SITU RCC PILE-600 MM DIA | M    | 2,921.94 | 1        | 20.2.5           | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and   |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:600mm dia piles   |
| 140.     | BORED CAST-IN-SITU RCC PILE-750 MM DIA  | M    | 4,007.62 | 1        | 20.2.6            | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:750mm dia piles. |
| 150.     | BORED CAST-IN-SITU RCC PILE-1000 MM DIA | M    | 6,478.48 | 1        | 20.2.7            | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to   |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-----------|----------|-------------------|---|
|          |   |      |           |          |                   | carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:1000mm dia piles.  |
| 160.     | BORED CAST-IN-SITU RCC PILE-1200 MM DIA | M    | 8,025.40  | 1        | 20.2.8            | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:1200mm dia piles. |
| 170.     | BORED CAST-IN-SITU RCC PILE-1500 MM DIA | M    | 10,904.54 | 1        | 20.2.9            | :Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M 35 in cement concrete, to carry a safe working load not less than specified,   |

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|----------|--------------------------------------|------|----------|----------|------------------|--|
|          |                                      |      |          |          |                  | excluding the cost of steel reinforcement but including the cost of boring with, bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).:1500mm dia piles.  |
| 180.     | SINGLE UNDER REAMED PILES-300 MM DIA | M    | 2,122.45 | 1        | 20.3.1           | :Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) : 300mm dia piles. |
| 190.     | SINGLE UNDER REAMED PILES-400 MM DIA | M    | 2,296.30 | 1        | 20.3.2           | :Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap)                    |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | : 400mm dia piles  |
| 200.     | SINGLE UNDER REAMED PILES-450 MM DIA    | M    | 2,394.28 | 1        | 20.3.3            | :Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap)<br>: 450mm dia piles |
| 210.     | SINGLE UNDER REAMED PILES-550 MM DIA    | M    | 2,535.84 | 1        | 20.3.4            | :Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 35 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap)<br>: 550mm dia piles |
| 220.     | EXTRA OVER ITEM20.3-ADDL.BULB 300MM DIA | EA   | 1,695.88 | 1        | 20.4.1            | :Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid). :300mm dia piles.  |
| 230.     | EXTRA OVER                              | EA   | 1,779.71 | 1        | 20.4.2            | :Extra over item No. 20.3 for providing additional bulb in   |

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|----------|--|------|----------|----------|------------------|--|
|          | ITEM20.3-ADDL.BULB 400MM DIA               |      |          |          |                  | under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid). :400mm dia piles.   |
| 240.     | EXTRA OVER<br>ITEM20.3-ADDL.BULB 450MM DIA | EA   | 1,830.01 | 1        | 20.4.3           | :Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid). :450mm dia piles.  |
| 250.     | EXTRA OVER<br>ITEM20.3-ADDL.BULB 550MM DIA | EA   | 1,927.61 | 1        | 20.4.4           | :Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid). :550mm dia piles.  |
| 260.     | PRECAST DRIVEN RCC PILES<br>400 MM DIA     | M    | 1,741.68 | 1        | 20.5.1           | :Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). :450mm dia piles. |
| 270.     | PRECAST DRIVEN RCC PILES<br>450 MM DIA     | M    | 2,228.69 | 1        | 20.5.2           | :Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length   |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). :500mm dia piles.  |
| 280.     | PRECAST DRIVEN RCC PILES<br>500 MM DIA | M    | 2,205.80 | 1        | 20.5.3           | :Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). :550mm dia piles. |
| 290.     | PRECAST DRIVEN RCC PILES               | M    | 2,476.40 | 1        | 20.5.4           | :Providing, driving and installing driven Pre-cast reinforced  |

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|----------|--|------|----------|----------|------------------|---|
|          | 550 MM DIA                             |      |          |          |                  | cement concrete piles of specified diameter and length below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 750mm dia piles.   |
| 300.     | PRECAST DRIVEN RCC PILES<br>750 MM DIA | M    | 4,487.02 | 1        | 20.5.5           | :Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M 35 cement concrete to carry safe working load not less than specified. With a central through preformed hole with M.S. black pipe of dia, 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc. complete but excluding the cost of steel reinforcement. (Length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). :1000mm dia piles. |
|          |  |      |          |          |                  |   |

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| Item No. | Description                                    | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 310.     | PRECAST DRIVEN RCC PILES<br>1000 MM DIA        | M    | 6,067.96 | 1        | 20.5.6            | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge. Single pile upto 50 tonne capacity .Initial test.  |
| 320.     | VERTICALSINGLEPILELOADTEST<br>ING50T-INITIAL   | PTS  |          | 1        | 20.6.1.1          | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge. Single pile upto 50 tonne capacity .Routine test (Rate :Per test)                              |
| 330.     | VERTICALSINGLEPILELOADTEST<br>ING50T-ROUTINE   | PTS  |          | 1        | 20.6.1.2          | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge. Single pile upto 50 tonne capacity and upto 100 tonne capacity .Initial test .(Rate :Per test) |
| 340.     | VERTICALSINGLEPILELOADTEST50T<br>&100T-INITIAL | PTS  |          | 1        | 20.6.2.1          | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge. Single   |



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| Item No. | Description                               | Unit | Rate | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|------|----------|------------------|--|
|          |   |      |      |          |                  | pile upto 50 tonne capacity and upto 100 tonne capacity .Routine test. (Rate :Per test)  |
| 350.     | VERTICLSINGLPILELOADTEST50T &100T-ROUTINE | PTS  |      | 1        | 20.6.2.2         | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge.Group of two or more piles upto 50 tonne capacity .Initial test .(Rate :Per test) |
| 360.     | VERTICALGROUPIPELOADTEST ING50T-INITIAL   | PTS  |      | 1        | 20.6.3.1         | :Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer-in-Charge.Group of two or more piles upto 50 tonne capacity .Routine test .(Rate :Per test) |
| 370.     | VERTICALGROUPIPELOADTEST ING50T-ROUTINE   | PTS  |      | 1        | 20.6.3.2         | :Cyclic vertical load testing of pile in accordance with IS Code of practice IS: 2911 (part IV) including preparation of pile head etc for. Single pile. Upto 50 tonne capacity pile. (Rate :Per test)   |
| 380.     | CYCLICVRTICALPILE(SINGEL)LO ADTESTUPTO50T | PTS  |      | 1        | 20.7.1.1         | :Cyclic vertical load testing of pile in accordance with IS Code of practice IS: 2911 (part IV) including preparation of pile head etc for. Single pile.Above 50 tonne and upto 100  |

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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | tonne capacity pile.(Rate :Per test)  |
| 390.     | CYCLICVRTICALPILE(SINGL)LOA<br>DTEST>50-100T | PTS  |        | 1        | 20.7.1.2         | :Cyclic vertical load testing of pile in accordance with IS Code of practice IS: 2911 (part IV) including preparation of pile head etc for. Single pile.Above 50 tonne and upto 100 tonne capacity pile. (Rate :Per test) |
| 400.     | CYCLICVERTICALPILE(GROUP)L<br>OADTESTUPTO50T | PTS  |        | 1        | 20.7.2.1         | :Lateral load testing of single pile in accordance with IS Code of practice IS : 2911 (Part IV) for determining safe allowable lateral load on pile: Upto 50 tonne capacity pile. (Rate Paer test)                        |
| 410.     | LATERALPILELOADTESTING-<br>LOAD UPTO 50T     | PTS  |        | 1        | 20.8.1           | :Lateral load testing of single pile in accordance with IS Code of practice IS : 2911 (Part IV) for determining safe allowable lateral load on pile: Above 50 tonne and upto 100 tonne capacity pile. (Rate :Per test)    |
| 420.     | LATERALPILELOADTESTING-<br>LOAD>50TUPTO100T  | PTS  |        | 1        | 20.8.2           | :Lateral load testing of single pile in accordance with IS Code of practice IS : 2911 (Part IV) for determining safe allowable lateral load on pile: Above 50 tonne and upto 100 tonne capacity pile. (Rate :Per test)    |
| 430.     | Integrity testing of Pile                    | PTS  | 898.18 | 1        | 20.9             | Integrity testing of Pile using Low Strain/ Sonic Integrity Test/ Sonic Echo Test method in accordance with IS 14893 ....   |

**21 : ALUMINIUM WORK**

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-------|----------|-------------------|--|
| 10.      | ANODISED ALUMINIUM WORK-D/W/V/PARTITION   | KG   | 83.75 | 1        | 21.1.1.1          | :Fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately): For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) |
| 20.      | POWDERCOATEDALUMINIUM WRK-D/W/V/PARTITION | KG   | 83.75 | 1        | 21.1.1.2          | :Fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap  |

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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately): For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)   |
| 30.      | POLYESTERCOATDALUMINIUM WRKD/W/V/PATITION | KG   | 83.75  | 1        | 21.1.1.3          | :Fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately): For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) |
| 40.      | ANODISEDALUMINUMWRKSHUTTER D/W/V/PATITION | KG   | 135.85 | 1        | 21.1.2.1          | :For shutters of doors, windows & ventilators , fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene   |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | gasket required (Fittings shall be paid for separately).Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)   |
| 50.      | POWDERCOATALUMINWRKSHUTTERD/W/V/PARTITION | KG   | 135.85 | 1        | 21.1.2.2          | :For shutters of doors, windows & ventilators including fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).Powder coated aluminium (minimum thickness of powder coating 50 micron)  |
| 60.      | POLYESTERCOATEDALUMINWORKSHUTTER D/W/V/P  | KG   | 135.85 | 1        | 21.1.2.3          | :For shutters of doors, windows & ventilators including fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)  |
| 70.      | PRELAMINATEDBRDPARTITION-DECORATIVEON1SD  | M2   | 187.01 | 1        | 21.2.1            | :Fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.Pre-laminated particle board with decorative lamination on one side and balancing |

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| Item No. | Description                                 | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | lamination on other side.   |
| 80.      | PRELAMINATEDBRDPARTITION-<br>DECORATIVEBOTH | M2   | 187.01 | 1        | 21.2.2           | :Fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.Pre-laminated particle board with decorative lamination on both sides. |
| 90.      | GLAZINGALMN-FLOAT GLASS<br>PANE 4.0 MM THK  | M2   | 316.54 | 1        | 21.3.1           | :Fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0mm thickness  |
| 100.     | GLAZINGALMN-FLOAT GLASS<br>PANE5.5 MM THK   | M2   | 318.94 | 1        | 21.3.2           | :Fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50mm thickness   |
| 110.     | GLAZINGALMN-FLOAT GLASS<br>PANE 8 MM THK    | M2   | 322.92 | 1        | 21.3.3           | :Fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 8mm thickness  |
| 120.     | HYDRAULICFLRSPRNG-STAINLESSSTEELCOVERPLT | M2   | 333.10 | 1        | 21.4.1           | :Fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-Charge.With stainless steel cover plate   |
| 130.     | HYDRAULICFLRSPRNG-BRASS COVER PLATE.     | M2   | 333.10 | 1        | 21.4.2           | :Fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-Charge.With brass cover plate   |
| 140.     | POWDERCOATALUMINUMWORK -FRAMESOFFALSECEL | KG   | 158.19 | 1        | 21.5             | :Fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee / angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass / stainless steel sunk screws, aluminium perimeter angles fixed to wall with rawl plugs @ 450mm centre to centre and fixing the frame work to G.I. |

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| Item No. | Description                                 | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
|          |   |      |       |          |                   | level adjusting hangers 6mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-Charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).   |
| 150.     | 6 MM DIA. G.I. LEVEL ADJUSTING HANGERS      | EA   | 20.00 | 1        | 21.6              | :Fixing 6mm dia. G.I. level adjusting hangers (upto 1200mm length) fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40x3mm size 60mm long and expansion hold fasteners 12.5mm dia. 40mm long complete as per direction of Engineer-in-Charge.   |
| 160.     | ANODISED ALUMINIUM COVERING - EXPANSION JNT | KG   | 81.62 | 1        | 21.7.1            | :Fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceilings with full threaded, cadmium plated steel screws 4mm dia. stem, 30mm long and aluminium washers 2mm thick, 15mm dia. at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) |
| 170.     | POWDERED ALUMINIUM COVERING                 | KG   | 81.62 | 1        | 21.7.2            | :Fixing machine moulded aluminium covering of approved  |



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| Item No. | Description   | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          | G -EXPANSIONJNT                                       |      |        |          |                   | pattern & design, made out of machine cut aluminium sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceilings with full threaded, cadmium plated steel screws 4mm dia. stem, 30mm long and aluminium washers 2mm thick, 15mm dia. at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. Powder coated aluminium sheet 2.5mm thick (minimum thickness of powder coating 50 micron) |
| 180.     | GAP FILLING SILICON SEALANT-5MMDEPTH                  | M    | 61.70  | 1        | 21.8.1            | :Filling the gap in between aluminium frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5mm depth and 5mm width   |
| 190.     | EXTRA FOR APPLYING ADDITIONAL ANODIC COATING-FIXED    | KG   |        | 1        | 21.9.1            | :Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections. For fixed portion  |
| 200.     | EXTRA FOR APPLYING ADDITIONAL ANODIC COATING- SHUTTER | KG   |        | 1        | 21.9.2            | :Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections. For shutters of doors, windows & ventilators.  |
| 210.     | HERMETICALLY SEALED GLAZING -W/V/PARTITION            | M2   | 462.36 | 1        | 21.10             | :Fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6mm thick clear float glass both side having 12mm air gap   |

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|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | including fixing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-Charge complete.                     |
| 220.     | STAINLESSSTLADJUSTSTAYSSD<br>EHUNG W205X19MM | EA   | 18.49 | 1        | 21.11.1          | :Fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.205 X 19mm |
| 230.     | STAINLESSSTLADJUSTSTAYS-<br>SDEHUNGW255X19MM | EA   | 18.49 | 1        | 21.11.2          | :Fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.255 X 19mm |
| 240.     | STAINLESSSTLADJUSTSTAYS-<br>SDEHUNGW355X19MM | EA   | 18.49 | 1        | 21.11.3          | :Fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.355 X 19mm |
| 250.     | STAINLESSSTLADJUSTSTAYS-<br>SDEHUNGW510X19MM | EA   | 18.49 | 1        | 21.11.4          | :Fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.510X19mm   |
| 260.     | STAINLESSSTLADJUSTSTAYS-<br>SDEHUNGW710X19MM | EA   | 18.49 | 1        | 21.11.5          | :Fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary   |

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| Item No. | Description                                       | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.710X19mm   |
| 270.     | ANODIZED(AC15)ALUMINIUM TUBULAR HANDLE BAR        | EA   | 11.46  | 1        | 21.12.1           | :Fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Anodized (AC 15 ) aluminium tubular handle bar                                   |
| 280.     | POWDER COATED ALUMINIUM TUBULAR HANDLE BAR.       | EA   | 11.46  | 1        | 21.12.2           | :Fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Powder coated minimum thickness 50 micron aluminium tubular handle bar.          |
| 290.     | POLYESTER COATED MINERAL ALUMINIUM TUBULAR HANDLE | EA   | 11.46  | 1        | 21.12.3           | :Fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar |
| 300.     | 100MM BRASS LOCKS FOR ALUMINIUM DOORS             | EA   | 149.59 | 1        | 21.13             | :Fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.  |
| 310.     | ANODISED ALUMINIUM SUB FRAME WORK FOR W/V         | KG   | 26.03  | 1        | 21.14             | :Fixing anodised aluminium (anodised transparent or dyed to required shade according to IS : 1868. Minimum anodic   |

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| Item No. | Description                                       | Unit | Rate | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|------|----------|-------------------|---|
|          |   |      |      |          |                   | coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS : 733 and IS : 1285 fixed with rawl plugs and stainless steel screws etc. |
| 320.     | ALUMINUM CASEMENT WINDOWS FASTENER-ANODIZED       | EA   | 5.66 | 1        | 21.15.1           | :Fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Anodized (AC 15) aluminium  |
| 330.     | ALUMINUM CASEMENT WINDOWS FASTENER-POWDER COAT    | EA   | 5.66 | 1        | 21.15.2           | :Fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium.  |
| 340.     | ALUMINUM CASEMENT WINDOWS FASTENER-POLYESTER COAT | EA   | 5.66 | 1        | 21.15.3           | :Fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium.  |
| 350.     | ALUMINIUM ROUND SHAPE HANDLE-ANODIZED             | EA   | 5.66 | 1        | 21.16.1           | :Fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium   |
| 360.     | ALUMINIUM ROUND SHAPE HANDLE -POWDER COAT         | EA   | 5.66 | 1        | 21.16.2           | :Fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Powder coated minimum thickness 50 micron aluminium  |

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| 370.                       | ALUMINROUND SHAPE HANDLE- POLYESTER POWDER CT | EA   | 5.66   | 1        | 21.16.3           | :Fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Polyester powder coated minimum thickness 50 micron aluminium  |
| 380.                       | Providing and fixing anodised aluminium       | KG   | 85.83  | 1        | 21.17             | Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern ...  |
| 390.                       | P/F 12 mm thick frameless toughened glass     | M2   | 879.71 | 1        | 21.18             | P/F 12 mm thick frameless toughened glass door shutter including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. ..  |
| <b>22 : WATER PROOFING</b> |   |      |        |          |                   |   |
| 10.                        | CEMENT BASED WP TREATMENT- HORIZONTAL SURF    | M2   | 400.17 | 1        | 22.1.1            | :Laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) 1st layer of 22mm to 25mm thick approved and specified rough stone slab over a 25mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of |

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|          |   |      |        |          |                  | 25mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportions. iii) Finishing top with stone aggregate of 10mm to 12mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer.Using rough kota stone.   |
| 20.      | CMNT BASED WP TREATMENT -VERTICAL SURFC | M2   | 704.92 | 1        | 22.2.1           | :Laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22mm to 25mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-Charge:Using rough Kota stone |
| 30.      | WPTREATMENT DEPRSD PRTION OF WC,KITCHEN | M2   | 324.27 | 1        | 22.3             | :Laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:<br>i) I course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction   |

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|          |  |      |       |          |                   | <p>of vertical and horizontal surface.</p> <p>ii) II course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.</p> <p>iii) III course of applying blown or residual bitumen applied hot at 1.7kg per sqm of area.</p> <p>iv) IV course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.)</p> |
| 40.      | PVC water stops -central bulb          | M    | 12.39 | 1        | 22.4.1            | :Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:Serrated with central bulb (225mm wide, 8-11mm thick).   |
| 50.      | PVC water stops Dumb bell-central bulb | M    | 12.39 | 1        | 22.4.2            | :Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete:Dumb bell with central bulb (180mm wide, 8mm thick).   |
| 60.      | PVC WATER STOPS KICKERS                | M    | 12.39 | 1        | 22.4.3            | :Placing in position suitable PVC water stops conforming to IS : 12200 for construction / expansion joints between two RCC members and fixed to the reinforcement with   |

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|          |   |      |        |          |                  | binding wire before pouring concrete etc.<br>complete: Kickers (320mm wide, 5mm thick).   |
| 70.      | WP trtmnt in sunken portion of WCs, Bthrm | M2   | 289.06 | 1        | 22.5             | : Laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :<br>a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. |
| 80.      | WP TREATMENT ON ROOFSLABS-WP COMPOUND     | M2   | 232.58 | 1        | 22.6             | : Laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. b) laying second layer of fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10cm. c) third layer of 1.5mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be   |



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|          |   |      |        |          |                  | allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around. d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured).  |
| 90.      | INT.CMNT BASD WP TRTMNT ROOFS,BALCONIES | M2   | 575.87 | 1        | 22.7.1           | :Laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-Charge over 20mm thick layer of cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-Charge to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75kg/sqm of cement admixed with water proofing compound conforming to IS : |

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|          |                                       |      |        |          |                  | 2645 and approved by Engineer-in-Charge. d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-Charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge:With average thickness of 120mm and minimum thickness at khurra as 65mm. |
| 100.     | 1LAYER B/FELT-6 MM OR DOWN STONE GRIT | M2   | 129.84 | 1        | 22.8.1           | :Laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6mm and down size or pea-sized gravel spread at 6 cubic diameter per square metre including preparation of surface but excluding grading complete with:Bitumen felt (hessian base) type 3 grade I conforming to IS: 1322.  |
|          |                                       |      |        |          |                  |  |

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|----------|--|------|--------|----------|-------------------|--|
| 110.     | 2LAYERB/FELT(HASSEN)6MM OR DWN STNEGRIT  | M2   | 186.63 | 1        | 22.9              | :Laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth course of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45, 1.20 and 1.45 Kg per square metre of area respectively, second and fourth courses of roofing felt type 3 grade I conforming to IS : 1322 (Hessian based self finished bitumen felt) conforming to IS : 1322 and sixth and final course of stone grit 6mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete. |
| 120.     | 2LAYERB/FELT(FIBRE)6MM OR DWN STNE GRIT  | M2   | 247.26 | 1        | 22.10             | :Laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or / and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade I (fibre base self finished bitumen felt) six and final courses of stone grit 6mm and down size or pea sized gravel spread at 6cu.dm per sqm including preparation of surface, excluding grading, compete.   |
| 130.     | 2LAYERB/FELT(GLASSFIBRE)6M M DWNSTNEGRIT | M2   | 247.26 | 1        | 22.11             | :Laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blow or / and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade II (glass fibre base self finished bitumen felt) and sixth and final  |

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|          |   |      |          |          |                  | course of stone grit 6mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete. |
| 140.     | BITUMINOUS PRIMER ON ROOF ,WALL         | M2   | 25.52    | 1        | 22.12            | :Applying bituminous solution primer on roof and or wall surface at 0.24 litre per sqm.   |
| 150.     | DDUCT W/P WITHOUTSPREADING STONEGRIT(6) | M2   | 7.47-    | 1        | 22.13.1          | :Deduct for omitting in water proofing treatment final course of spreading stone grit 6mm down size or pea sized gravel: At 6 cudm per sqm.               |
| 160.     | DDUCT W/P WITHOUTSPREADING STONEGRIT(8) | M2   | 8.88-    | 1        | 22.13.2          | :Deduct for omitting in water proofing treatment final course of spreading stone grit 6mm down size or pea sized gravel: At 8 cudm per sqm.               |
| 170.     | GRADING ROOF WITH CEMENT CONCRETE 1:2:4 | M3   | 1,779.49 | 1        | 22.14.1          | :Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)             |
| 180.     | GRADING ROOF WITH CEMENT MORTAR 1:3     | M3   | 5,818.03 | 1        | 22.14.2          | :Grading roof for water proofing treatment with Cement mortar 1:3 (1 cement : 3 coarse sand)  |
| 190.     | GRADING ROOF WITH CEMENT MORTAR 1:4     | M3   | 5,815.63 | 1        | 22.14.3          | :Grading roof for water proofing treatment with Cement mortar 1:4 (1cement : 4 coarse sand)   |
| 200.     | 2 LAYERS OF 1.5 MM APP                  | M2   | 130.53   | 1        | 22.15            | :Laying in situ seven course water proofing treatment with  |

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|          | MEMBRANE-ROOF                           |      |       |          |                   | APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1cement :3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR item No. 12.19 |
| 210.     | 1 LAYER OF APP MEMBRANE OVER ROOF (2MM) | M2   | 98.95 | 1        | 22.16             | :Laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric  |

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|          |   |      |      |          |                  | mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR item No. 12.19   |
| 220.     | 2LAYERS OF 2.0 MM THK APP MEMBRANE-ROOF | M2   |      | 1        | 22.17            | :Laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 100 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 ( 1 cement : 3 fine sand) and finished neat which shall be paid for separately as per DSR item No. 12.19 |

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|----------|---|------|--------|----------|-------------------|--|
| 230.     | APP MEMBRANE 2MM (FOR C.G.S ROOF)       | M2   | 134.55 | 1        | 22.18.1           | :Fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sq. mtr. by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be: Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane.2mm (for corrugated roof sheets) |
| 240.     | APP MEMBRANE(GLASS FIBRE MATT)-3 MM THK | M2   | 134.55 | 1        | 22.19.1           | :Laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital  |

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|          |  |      |        |          |                   | physical and chemical parameters of the membrane shall be: Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D- 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane:3mm thick   |
| 250.     | APP (NON-WOVEN POLYESTER MATT)3 MM THK | M2   | 134.55 | 1        | 22.20.1           | :Laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be: Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane:3mm thick |



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| 260.                                   | COVERING TOPOF MEMBRANE WITHGEOTEXTILE | M2   | 30.38  | 1        | 22.21             | :Extra for covering top of membrane with Geotextile, 120gsm non woven, 100% polyester of thickness 1 to 1.25mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation [for Item No. 22.18 to 22.20].<br>"   |
| <b>23 : HORTICULTURE AND LANDSCAPE</b> |  |      |        |          |                   |  |
| 10.                                    | TRENCHING-COST OF EARTH EXCLUDED       | M3   | 62.77  | 1        | 23.1              | :Trenching in ordinary soil up to a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly levelling within a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure). |
| 20.                                    | SUPPLY OF EARTH(STACK REDUCED BY 20%)  | M3   | 201.38 | 1        | 23.2              | :Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).   |
| 30.                                    | SUPPLY OF SLUDGE(STACK REDUCED BY 8%)  | M3   |        | 1        | 23.3              | :Supplying and stacking sludge at site including royalty and carriage up to 1 km (sludge measured in stacks will be reduced by 8% for payment).  |
| 40.                                    | Supply of dump                         | M3   | 54.04  | 1        | 23.4.1            | :Supplying and stacking at site dump manure from   |

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|          | manure(8%red.,20mm sieve)                 |      |        |          |                  | approved source, including carriage up to 1 km (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 20mm  |
| 50.      | Supply of dump manure(8%red.,16mm sieve)  | M3   | 83.31  | 1        | 23.4.2           | :Supplying and stacking at site dump manure from approved source, including carriage up to 1 km (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 16mm   |
| 60.      | "SUPPLY OFDUMPMANURE(8%RED.,4.75M M SIEVE | M3   | 106.72 | 1        | 23.4.3           | :Supplying and stacking at site dump manure from approved source, including carriage up to 1 km (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 4.75mm |
| 70.      | Rough dressing the trenched ground        | M2   | 1.21   | 1        | 23.5             | :Rough dressing the trenched ground including breaking clods.   |
| 80.      | UPROOTING WEEDS FROM THE TRENCHED AREA    | M2   | 3.94   | 1        | 23.6             | :Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.   |
| 90.      | FINE DRESSING THE GROUND                  | M2   | 2.96   | 1        | 23.7             | :Fine dressing the ground.  |
| 100.     | SPREADING OF SLUDGE/DUMP MANURE/EARTH     | M3   | 42.34  | 1        | 23.8             | :Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or / and good earth to be paid separately).  |

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| 110.     | MIX EARTH AND SLUDGE OR MANURE IN PROP | M3   | 29.27 | 1        | 23.9             | :Mixing earth and sludge or manure in proportion specified or directed.  |
| 120.     | DOOB' GRASSING IN ROWS 15CM APART      | M2   | 14.23 | 1        | 23.10.1          | :Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately). In rows 15cm apart in either direction.  |
| 130.     | DOOB' GRASSING IN ROWS 7.5CM APART     | M2   | 10.72 | 1        | 23.10.2          | :Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately). In rows 7.5cm apart in either direction. |
| 140.     | DOOB' GRASSING IN ROWS 5CM APART       | M2   |       | 1        | 23.10.3          | :Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately). In rows 5cm apart in either direction.   |
| 150.     | RENOVATING LAWNS                       | M2   | 27.59 | 1        | 23.11            | :Renovating lawns including weeding, cheeling the grass, forking the ground, top dressing with sludge or manure, mixing the same with forked soil, watering and maintaining  |

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| Item No. | Description                         | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|-------------------------------------|------|--------|----------|-------------------|--|
|          |                                     |      |        |          |                   | the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing and disposal of rubbish as directed, including supplying good earth if needed but excluding the cost of sludge or manure (the good earth shall be paid for separately).  |
| 160.     | UPROOTING RANK VEGETATION AND WEEDS | M2   | 48.91  | 1        | 23.12             | :Uprooting rank vegetation and weeds by digging the area to a depth of 60cm removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts.  |
| 170.     | PREPARATION OF BEDS FOR HEDGING     | M3   | 178.55 | 1        | 23.13             | :Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately). |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 180.     | DIGGING/REFILINGHOLESOIL1.2 MDIA/1.2MDEP | EA   | 308.94 | 1        | 23.14.1          | :Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2: 1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 1.2 m dia and 1.2 m deep. |
| 190.     | DIGGING/REFILINGHOLESOIL0.6 MDIA/0.6MDEP | EA   | 132.31 | 1        | 23.14.2          | :Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2: 1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 60cm dia, and 60cm deep.  |
| 200.     | Digging/RefilingHoleSoil0.6mdia/0.6 mdep | EA   | 40.67  | 1        | 23.14.3          | Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2: 1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
|          |  |      |          |          |                   | any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 60cm dia, and 60cm deep.   |
| 210.     | Digging/RefilingHoleSoil0.45mdia/0.45mde | EA   | 17.52    | 1        | 23.14.4           | Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2: 1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : Holes 45cm dia, and 45cm deep. |
| 220.     | HALFBRICKCIRCULARTREEGUARD-WITHFPS BRICK | EA   | 370.16   | 1        | 23.15.1           | :Half brick circular tree guard in 50 class designation bricks, internal diameter 1.25 metre and height 1.2 metre above ground and 0.20 m below ground bottom two courses laid dry and top three courses in cement mortar 1:6 (1 cement : 6 fine sand) and the intermediate courses being in dry honey comb masonry as per design complete: With F.P.S. Bricks   |
| 230.     | M.S. FLAT IRON TREE GUARD                | EA   | 2,325.50 | 1        | 23.16             | :Fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | paint of approved brand and manufacture over a coat of priming, complete in all respects.   |
| 240.     | TREEGUARDBYCOALTARDRUM-1CTOFCOALTAR1.3MH | EA   | 309.24 | 1        | 23.17.1           | :Making tree guard 53cm dia. and 1.3 m high as per design from empty coal tar drums supplied free by the department including fixing 2 nos. M.S. sheet rings 50 x 0.5mm with rivets complete in all respects including painting inside and outside of tree guard with:A coat of coal tar  |
| 250.     | TREEGUARDBYCOALTARDRUM-2MRCTOFENAML1.3MH | EA   | 479.79 | 1        | 23.17.2           | :Two or more coats of synthetic enamel paint of approved quality shade over a priming coat.   |
| 260.     | TREEGUARDBYCOALTARDRUM-1CTOFCOALTAR1.0MH | EA   | 508.06 | 1        | 23.18.1           | :Making tree guard 53cm dia. and 2 m high as per design from empty coal tar drums supplied free by the department including providing and fixing four legs 40cm long of 30 x 3mm M.S. flat riveted to tree guard and fixing 2 nos. M.S. sheet rings 50 x 0.5mm with rivets complete in all respects including painting inside and outside of tree guard with :A coat of coal tar. |
| 270.     | TREEGUARDBYCOALTARDRUM-2MRCTOFENAML1.0MH | EA   | 771.00 | 1        | 23.18.2           | :Making tree guard 53cm dia. and 2 m high as per design from empty coal tar drums supplied free by the department including providing and fixing four legs 40cm long of 30 x 3mm M.S. flat riveted to tree guard and fixing 2 nos. M.S. sheet rings 50 x 0.5mm with rivets complete in all respects including painting inside and outside of tree                                 |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | guard with :Two or more coats of synthetic enamel paint of approved quality and shade over a priming coat.  |
| 280.     | "EDGING-75 CLASS DESIGNATION,FPSBRICKS " | M    | 9.91   | 1        | 23.19.1.1         | :Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m : 75 class designation. F.P.S. Bricks                        |
| 290.     | "EDGING-50 CLASS DESIGNATION,FPSBRICKS " | M    |        | 1        | 23.19.2.1         | :Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m : 50 class designation. F.P.S. Bricks(Deleted)               |
| 300.     | FILLING MIX.OF EARTH&SLUDGE IN TRENCHES  | M3   | 14.64  | 1        | 23.20             | :Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and leveling (cost of supplying earth and sludge or manure and mixing excluded).                                      |
| 310.     | EXCAVATION IN DUMPED STONES OR MALBA     | M3   | 409.78 | 1        | 23.21             | :Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead up to 50m and lift up to 1.5m disposed material to be neatly dressed. |
| 320.     | EXCAVATION IN BAJRI PATH                 | M3   | 456.61 | 1        | 23.22             | :Excavation in bajri path including stacking of serviceable and unserviceable material lead up to 50m and lift up to 1.5m disposed material to be neatly dressed.   |



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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 330.     | EXCAVATION IN WATER BOUND MACADAM ROAD | M3   | 561.98 | 1        | 23.23             | :Excavation in water bound macadam road including stacking the serviceable and unserviceable material separately and disposal of unserviceable material lead up to 50 m and lift up to 1.5 m disposed material to be neatly dressed.  |
| 340.     | FLOODING THE GROUND WITH WATER         | M2   | 1.94   | 1        | 23.24             | :Flooding the ground with water including making kiaries and dismantling the same.  |
| 350.     | Supplying cow dung                     | M3   | 444.61 | 1        | 23.25             | Supplying and stacking of well decayed cow dung manure at site including royalty and carriage upto 1 km (Cow dung manure measured in stacks will reduced by 8% for Payment).  |
| 360.     | MS Tree Guard 45cm sqr.in plan         | EA   | 766.50 | 1        | 23.26             | Fixing M. S. tree guard 45 cm square in plan, height 1.20 metre above ground level and 0.40 metre below ground level.The vertical members shall consist of four nos angle iron of size 25x25x3 mm, 1.8 m long, one at each corner and 8 nos flat iron of size 25x3 mm, 1.2 m long. The vertical members shall be welded to 4 nos 25x6 mm M. S. flats placed horizontally around the vertical member of the cage. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD / PWD/ any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg in the ground, including refilling the earth, |

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| Item No. | Description                   | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|-------------------------------|------|----------|----------|-------------------|---|
|          |                               |      |          |          |                   | compaction etc. complete. The tree guard shall be painted with two or more coats of synthetic enamel paint of approved brand and manufacture over a coat of primer, complete in all respect.  |
| 370.     | MS Tree Guard 50cm sq.in plan | EA   | 1,154.87 | 1        | 23.27             | Fixing M. S. tree guard 50 cm square in plan, height 1.40 metre above ground level and 0.50 metre below ground level. The vertical members shall consist of four nos of angle iron of size 25x25x5 mm 1.9 long, one at each corner and 8 nos flat iron of size 25x5 mm 1.4 long. The vertical members shall be welded to 4 nos 25x6 mm M. S. flats placed horizontally around the vertical member of the cage. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD / PWD/ any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg in the ground , ncluding refilling the earth, compaction etc. complete. The tree guard shall be painted with two coats of paint of approved brand and manufacture over a coat of primer, complete in all respect. |
| 380.     | Preparation of Mounds         | M3   | 367.25   | 1        | 23.28             | Preparation of mounds of various size and shape by available excavated / supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto 1.5 m complete as per direction of Officer-in-charge.   |

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| Item No. | Description                        | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|------------------------------------|------|--------|----------|------------------|---|
| 390.     | Making Circular CC Pots dia. 35 cm | EA   | 111.52 | 1        | 23.29.1          | MakingCircular Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 7 nos ( 3 nos horizontal & 4 nos vertical "U" shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in equired rows & height, all complete as per direction of Officer-in-charge.Top inside dia 35 cm, outer bottom dia 25 cm, total height 35 cm with wall thickness of 25.4 mm |
| 400.     | Making Circular CC Pots dia. 30 cm | EA   | 79.95  | 1        | 23.29.2          | MakingCircular Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 6 mm nominal size), reinforced with 7 nos ( 3 nos horizontal & 4 nos vertical "U" shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in equired rows & height, all complete as per direction of Officer-in-charge.Top inside dia 30 cm, outer bottom dia 20 cm, total height 30 cm with wall thickness of 25.4 mm |
| 410.     | Making Sqr.CC Pots dia. 30 cm      | EA   | 138.43 | 1        | 23.30.1          | Making Square Cement Concrete pots of specified size, cast with cement concrete of nominal mix 1:2:4 (1 cement  |

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| Item No. | Description | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|-------------|------|------|----------|-------------------|--|
|          |             |      |      |          |                   | : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size), reinforced with 7 nos. ( 3 nos horizontal & 4 nos vertical "U" shape) M.S. wires of 3.5 mm dia as per design, including required form work, finishing with cement punning on exposed surface, curing for specified period and stacking in required rows & height , all complete as per direction of Officer-in-charge. Top inner width 35 cm, outer bottom width 25 cm, total height 35 cm and wall thickness 25.4 mm |

**00 : BASIC RATES**

**00.01 : HIRE CHARGES OF PLANTS**

|     |   |     |           |   |      |   |
|-----|---|-----|-----------|---|------|---|
| 10. | Hiring of Coaltar Boiler 900-1400 L       | DAY | 1,035.00  | 1 | 0001 | Hire charges of Coaltar Boiler 900 to 1400 litres           |
| 20. | Hiring of Concrete Mixer 0.14 m3          | DAY | 1,035.00  | 1 | 0002 | Hire charges of Concrete Mixer 0.14 cubic metre             |
| 30. | Hiring of Diesel Road Roller: 8-10 T      | DAY | 3,852.50  | 1 | 0003 | Hire charges of Diesel Road Roller - 8 to 10 tonne          |
| 40. | Concrete by batch mix plant               | M3  | 517.50    | 1 | 0004 | Production cost of concrete by batch mix plant.             |
| 50. | Hiring of Diesel Truck - 9 T              | DAY | 5,060.00  | 1 | 0005 | Hire charges of Diesel Truck - 9 tonne                      |
| 60. | Hiring of Spray m/c incl. electric charge | DAY | 11,212.50 | 1 | 0006 | Hire charges of Spraying machine including electric charges |
| 70. | Hire charges of Coaltar Sprayer           | DAY | 460.00    | 1 | 0007 | Hire charges of Coaltar Sprayer                             |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 80.      | Hiring of Asphalt Plant-capacity 30/45 T | DAY  | 9,890.00 | 1        | 0008             | Hire charges of Barber green, drying, mixing and Asphalt Plant, with accessories, capacity 30/45 tonne |
| 90.      | Pumping of concrete incl.Pump,Piping     | M3   | 287.50   | 1        | 0009             | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.             |
| 100.     | Hire charges of Derrick monkey rope      | DAY  | 977.50   | 1        | 0010             | Hire charges of Derrick monkey rope  |
| 110.     | Hiring of Pump set of capacity 4000 L/hr | DAY  | 920.00   | 1        | 0011             | Hire charges of Pump set of capacity 4000 litres/hour.   |
| 120.     | Vibrator (Needle type 40mm)              | DAY  | 460.00   | 1        | 0012             | Vibrator (Needle type 40mm)  |
| 130.     | Machine for rubbing of floors            | DAY  | 402.50   | 1        | 0013             | Machine for rubbing of floors  |
| 140.     | Front end loader                         | DAY  | 7,705.00 | 1        | 0014             | Front end loader   |
| 150.     | Mastic Cooker                            | DAY  | 977.50   | 1        | 0016             | Mastic Cooker  |
| 160.     | Hire and running charges of tipper       | DAY  | 4,830.00 | 1        | 0017             | Hire and running charges of tipper   |
| 170.     | Hire and running charges of loader.      | DAY  | 7,705.00 | 1        | 0018             | Hire and running charges of loader.  |
| 180.     | Hand Grinder For mirror polish           | DAY  | 345.00   | 1        | 0019             | Hand Grinder For mirror polish   |
|          |  |      |          |          |                  |  |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
| 190.     | Hydraulic Excavator(3D)with Driver&Fuel  | DAY  | 9,027.50  | 1        | 0020              | Hydraulic Excavator (3D) with driver and fuel.   |
| 200.     | Pin vibrator                             | DAY  | 345.00    | 1        | 0021              | Pin vibrator   |
| 210.     | Surface Vibrator                         | DAY  | 402.50    | 1        | 0022              | Surface Vibrator   |
| 220.     | hot Hire charge Bitumen mixture 0.5 cum  | DAY  | 4,542.50  | 1        | 0023              | Hire charges of hot Bitumen mixture 0.5 cum i/c hand cart  |
| 230.     | Hiring & Running-Hydraulic Piling Rig    | DAY  | 45,425.00 | 1        | 0024              | Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at site. |
| 240.     | Hire and running charges of light crane  | DAY  | 4,485.00  | 1        | 0025              | Hire and running charges of light crane.   |
| 250.     | Hire & running charges of bentonite pump | DAY  | 3,852.50  | 1        | 0026              | Hire and running charges of bentonite pump.  |
| 260.     | Hire&run-vibrating pile driving hammer   | DAY  | 38,525.00 | 1        | 0027              | Hire and running charges of vibrating pile driving hammer complete with power unit and accessories.                        |
| 270.     | Hire&run-crane 20 tonne capacity         | DAY  | 9,027.50  | 1        | 0028              | Hire and running charges of crane 20 tonne capacity.   |
| 280.     | Carriage of concrete by transit mixer.   | KMC  | 46.00     | 1        | 0029              | Carriage of concrete by transit mixer.   |
| 290.     | Generator 250 KVA.                       | DAY  | 3,852.50  | 1        | 0030              | Generator 250 KVA.   |
| 300.     | Paint applicator.                        | DAY  | 1,035.00  | 1        | 0033              | Paint applicator.  |

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| Item No. | Description                           | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|-----------|----------|------------------|---|
| 310.     | Mobile crane.                         | DAY  | 5,807.50  | 1        | 0037             | Mobile crane.   |
| 320.     | Tractor with ripper attachment.       | DAY  | 1,552.50  | 1        | 0038             | Tractor with ripper attachment.                                       |
| 330.     | Tractor with trolley.                 | DAY  | 1,552.50  | 1        | 0039             | Tractor with trolley.   |
| 340.     | Air compressor 250 cfm                | DAY  | 2,070.00  | 1        | 0040             | Air compressor 250 cfm with two leads for pneumatic cutters/ hammers. |
| 350.     | Joint cutting machine with 2-3 blades | DAY  | 1,035.00  | 1        | 0041             | Joint cutting machine with 2-3 blades                                 |
| 360.     | C.C .batch mix plant.                 | DAY  | 12,880.00 | 1        | 0042             | C.C .batch mix plant.   |
| 370.     | Road sweeper                          | DAY  | 690.00    | 1        | 0043             | Road sweeper  |
| 380.     | Slip form paver with sensor.          | DAY  | 16,732.50 | 1        | 0045             | Slip form paver with sensor.  |
| 390.     | Water tanker 5000 liter. capacity     | DAY  | 1,552.50  | 1        | 0046             | Water tanker 5000 liter. capacity                                     |
| 400.     | Concrete joint cutting machine.       | DAY  | 805.00    | 1        | 0047             | Concrete joint cutting machine.                                       |
| 410.     | Texturing machine.                    | DAY  | 1,207.50  | 1        | 0048             | Texturing machine.  |
| 420.     | Dozer D-80-A 12                       | HR   | 1,955.00  | 1        | 0049             | Dozer D-80-A 12(hire - charges include cost of services of            |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | operating staff, supply of lubricating oil and diesel also.)  |
| 430.     | Motor Grader 3.35 metre blade            | HR   | 3,105.00 | 1        | 0050             | Motor Grader 3.35 metre blade(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)           |
| 440.     | Hydraulic Excavator of 1 cum bucket      | HR   | 1,035.00 | 1        | 0051             | Hydraulic Excavator of 1 cum bucket (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)    |
| 450.     | Front end loader 1 cum bucket capacity ( | HR   | 1,667.50 | 1        | 0052             | Front end loader 1 cum bucket capacity (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.) |
| 460.     | Tipper -5 Cum                            | TKM  | 4.26     | 1        | 0053             | Tipper -5 Cum (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                          |
| 470.     | Vibratory roller 8 to 10 tonne           | HR   | 805.00   | 1        | 0054             | Vibratory roller 8 to 10 tonne (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)         |
| 480.     | Smooth Wheeled Roller 8 to 10 tonne      | HR   | 402.50   | 1        | 0055             | Smooth Wheeled Roller 8 to 10 tonne (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)    |
| 490.     | Tandem Road Roller                       | HR   | 1,552.50 | 1        | 0056             | Tandem Road Roller (hire - charges include cost of  |



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|----------|--|------|-----------|----------|-------------------|--|
|          |  |      |           |          |                   | services of operating staff, supply of lubricating oil and diesel also.)   |
| 500.     | Water Tanker 5 to 6 KL capacity          | HR   | 287.50    | 1        | 0057              | Water Tanker 5 to 6 KL capacity (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                   |
| 510.     | Air compressor                           | HR   | 287.50    | 1        | 0058              | Air compressor (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                                    |
| 520.     | Wet Mix Plant 60 TPH                     | HR   | 1,207.50  | 1        | 0059              | Wet Mix Plant 60 TPH (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                              |
| 530.     | Emulsion Pressure Distributor @ 1750 sqm | HR   | 920.00    | 1        | 0061              | Emulsion Pressure Distributor @ 1750 sqm per hour (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.) |
| 540.     | Hot mix Plant -120 TPH capacity          | HR   | 19,320.00 | 1        | 0062              | Hot mix Plant -120 TPH capacity (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                   |
| 550.     | Hot mix Plant 100 TPH Capacity           | HR   | 16,732.50 | 1        | 0063              | Hot mix Plant 100 TPH Capacity (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                    |
|          |  |      |           |          |                   |  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 560.     | Paver finisher Hydrostatic with sensor c | HR   | 1,955.00 | 1        | 0064              | Paver finisher Hydrostatic with sensor control 100 TPH (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.) |
| 570.     | Paver finisher Mechanical 100 TPH        | HR   | 1,035.00 | 1        | 0065              | Paver finisher Mechanical 100 TPH (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                      |
| 580.     | Batching and Mixing Plant @ 75 cum per h | HR   | 3,105.00 | 1        | 0066              | Batching and Mixing Plant @ 75 cum per hour (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)            |
| 590.     | Concrete Paver finisher with 40 HP Motor | HR   | 3,852.50 | 1        | 0068              | Concrete Paver finisher with 40 HP Motor and sensor(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)     |
| 600.     | Generator 250 KVA                        | HR   | 517.50   | 1        | 0069              | Generator 250 KVA(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                                       |
| 610.     | Generator 100 KVA/125 KVA                | HR   | 402.50   | 1        | 0070              | Hire Charge of Generator 100 KVA/125 KVA (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)               |
| 620.     | Truck 5.5 cum/ 10 tonnes                 | TKM  | 4.26     | 1        | 0071              | Truck 5.5 cum/ 10 tonnes(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                                |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
| 630.     | Road sweeper (Mechanical Broom) @ 1250 s | HR   | 575.00    | 1        | 0075             | Road sweeper (Mechanical Broom) @ 1250 sqm per hour (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)                   |
| 640.     | Drum Type HMP of 60-90 TPH capacity @ 75 | HR   | 15,467.50 | 1        | 0076             | Drum Type HMP of 60-90 TPH capacity @ 75 tonne per hour actual output (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.) |
| 650.     | Hire and running charges of drill machin | DAY  | 9,660.00  | 1        | 0080             | Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in ordinary soil and operator)                                    |
| 660.     | Hire and running charges of Tripod and M | DAY  | 3,852.50  | 1        | 0015             | Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories   |
| 670.     | Steam curing by using boiler /Heater     | M3   | 632.50    | 1        | 0031             |  |
| 680.     | Stressing Machine (jack with pump)       | DAY  | 14,835.00 | 1        | 0032             |  |
| 690.     | Cutting saw machine                      | DAY  | 1,725.00  | 1        | 0034             |  |
| 700.     | Strands Roller machinery for laying stra | DAY  | 4,485.00  | 1        | 0035             | Strands Roller machinery for laying strands  |
| 710.     | Bed master (Pulling strands)             | DAY  | 3,852.50  | 1        | 0036             |  |
| 720.     | Cost for crane upto 40 tonne capacity    | DAY  | 10,292.50 | 1        | 0044             |  |
| 730.     | Mechanical Broom Hydraulic               | H    | 575.00    | 1        | 0060             |  |
| 740.     | Cost for crane upto 80 tonne capacity    | DAY  | 19,320.00 | 1        | 0067             |  |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
| 750.     | Cost for crane having capacity 50MT      | DAY  | 10,925.00 | 1        | 0072              |  |
| 760.     | Pile Integrity testing equipment         | DAY  | 3,852.50  | 1        | 0081              |  |
| 770.     | Excavation of Diaphragm wall by Mechanic | M2   | 1,955.00  | 1        | 0082              | Excavation of Diaphragm wall by Mechanical Grab  |
| 780.     | Hire charges of TATA 407 or equivalent f | DAY  | 1,782.50  | 1        | 0083              | Hire charges of TATA 407 or equivalent for local shifting  |
| 790.     | Hire charges of diesel truck - 9 tonne ( | DAY  | 2,587.50  | 1        | 0084              | Hire charges of diesel truck - 9 tonne (without POL)   |
| 800.     | Using cost of Ultra Violet Radiation tub | H    | 230.00    | 1        | 0085              | Using cost of Ultra Violet Radiation tube  |
| 810.     | Compressor, gun, rubber pipes & other ac | DAY  | 5,175.00  | 1        | 0086              | Compressor, gun, rubber pipes & other accessories- hire charge of plant & machinery i/c necessary fuel |
| 820.     | Hire Charges of Suction Jeting machine 2 | DAY  | 51,520.00 | 1        | 0087              | Hire Charges of Suction Jeting machine 2200 PSI machine i/c POL and operator                           |
| 830.     | Hire charges of Drill machine upto 30 mm | DAY  | 230.00    | 1        | 0088              | Hire charges of Drill machine upto 30 mm dia   |
| 840.     | Hire charges of sand blasting equipment  | DAY  | 517.50    | 1        | 0089              |  |
| 850.     | Hire charges of compressor               | DAY  | 632.50    | 1        | 0090              |  |
| 860.     | Welding charges of shear key to existing | EA   | 5.75      | 1        | 0091              | Welding charges of shear key to existing reinforcement   |
| 870.     | Hire charges of plant and Machinery that | DAY  | 287.50    | 1        | 0092              | Hire charges of plant and Machinery that can inject 350 kg/day   |

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| Item No.                    | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|-----------------------------|--|------|-----------|----------|-------------------|--|
| 880.                        | Hire Charges of Suction Jeting machine 1 | DAY  | 12,880.00 | 1        | 0093              | Hire Charges of Suction Jeting machine 1500 PSI machine i/c POL and operator |
| <b>00.02 : LABOUR RATES</b> |  |      |           |          |                   |  |
| 10.                         | Bandhani                                 | DAY  | 589.00    | 1        | 0100              | :Bandhani  |
| 20.                         | Bhisti                                   | DAY  | 589.00    | 1        | 0101              | :Bhisti  |
| 30.                         | Blacksmith 1st class                     | DAY  | 709.00    | 1        | 0102              | :Blacksmith 1st class  |
| 40.                         | Blacksmith 2nd class                     | DAY  | 589.00    | 1        | 0103              | :Blacksmith 2nd class  |
| 50.                         | Carpenter 1st class                      | DAY  | 709.00    | 1        | 0111              | :Carpenter 1st class   |
| 60.                         | Carpenter 2nd class                      | DAY  | 589.00    | 1        | 0112              | :Carpenter 2nd class   |
| 70.                         | Chowkidar                                | DAY  | 504.00    | 1        | 0113              | :Chowkidar   |
| 80.                         | Beldar                                   | DAY  | 504.00    | 1        | 0114              | :Beldar  |
| 90.                         | Coolie                                   | DAY  | 504.00    | 1        | 0115              | :Coolie  |
| 100.                        | Fitter (grade 1 )                        | DAY  | 709.00    | 1        | 0116              | :Fitter (grade 1)  |
| 110.                        | Assistant Fitter or 2nd class fitter     | DAY  | 589.00    | 1        | 0117              | :Assistant Fitter or 2nd class Fitter  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description                                    |
|----------|--|------|--------|----------|------------------|---|
| 120.     | Glazier                                  | DAY  | 589.00 | 1        | 0119             | :Glazier  |
| 130.     | Mason (for plaster of paris work) 1st cl | DAY  | 709.00 | 1        | 0122             | :Mason (for plaster of paris work) 1st class          |
| 140.     | Mason (brick layer ) 1st class           | DAY  | 709.00 | 1        | 0123             | :Mason (brick layer) 1st class                        |
| 150.     | Mason (brick layer ) 2nd class           | DAY  | 589.00 | 1        | 0124             | :Mason (brick layer) 2nd class                        |
| 160.     | Mason (for plain stone work) 2nd class   | DAY  | 589.00 | 1        | 0125             | :Mason (for plain stone work) 2nd class)              |
| 170.     | Mason (for ornamental stone work) 1st cl | DAY  | 709.00 | 1        | 0126             | :Mason (for ornamental stone work) 1st class          |
| 180.     | Driver (for Road Roller, Concrete Mixer, | DAY  | 709.00 | 1        | 0127             | :Driver (for Road Roller, Concrete Mixer, Truck etc.) |
| 190.     | Mate                                     | DAY  | 589.00 | 1        | 0128             | :Mate   |
| 200.     | Mistry                                   | DAY  | 709.00 | 1        | 0130             | :Mistry   |
| 210.     | Painter                                  | DAY  | 589.00 | 1        | 0131             | :Painter  |
| 220.     | Rock Excavator                           | DAY  | 504.00 | 1        | 0132             | :Rock Excavator                                       |
| 230.     | Rock Breaker                             | DAY  | 504.00 | 1        | 0133             | :Rock Breaker   |

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| Item No.  | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|---|---|------|--------|----------|------------------|---|
| 240.  | Rock Hole Driller                       | DAY  | 504.00 | 1        | 0134             | :Rock Hole Driller  |
| 250.  | Stone Chiseller                         | DAY  | 589.00 | 1        | 0135             | :Stone Chiseller  |
| 260.  | Sprayer (for bitumen, tar etc.)         | DAY  | 589.00 | 1        | 0138             | :Sprayer (for bitumen, tar etc.)  |
| 270.  | Skilled Beldar (for floor rubbing etc.) | DAY  | 589.00 | 1        | 0139             | :Skilled Beldar (for floor rubbing etc.)  |
| 280.  | White Washer                            | DAY  | 589.00 | 1        | 0141             | :White Washer   |
| 290.  | Mason (average)                         | DAY  | 649.00 | 1        | 0155             | :Mason (average) Note :- * These rates are average of 1st class and 2nd class categories. This is for use in the analysis of rate only.     |
| 300.  | Carpenter (average)                     | DAY  | 649.00 | 1        | 0156             | :Carpenter (average) Note :- * These rates are average of 1st class and 2nd class categories. This is for use in the analysis of rate only. |
| 310.  | Operator (Pile/Special machine )        | DAY  | 709.00 | 1        | 0157             | :Operator (Pile/ Special machine)   |
| 320.  | Skilled torch operator for laying tack  | DAY  | 709.00 | 1        | 0159             | :Skilled torch operator for laying tack   |
| <b>00.03 : MATERIALS RATE WITH CONTS PROFIT EXC GST</b> |   |      |        |          |                  |   |
| 10.   | Seam bolts & nuts 6 mm dia, 25 mm long  | NO   | 12.65  | 10       | 0222             | :Seam bolts and nuts 6 mm dia and 25 mm long  |
| 20.   | Non- Asb F.C. corrugated sheet          | M2   | 281.75 | 1        | 0223             | :Non - Asbestos fibre cement corrugated sheet 6mm thick.  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
|          | 6mm .                                    |      |        |          |                   |  |
| 30.      | Non- Asb F.C. adjustable ridge.          | M    | 264.50 | 1        | 0224              | :Non - Asbestos fibre cement close fitting adjustable ridge.       |
| 40.      | Non- Asb F.C. corrugated serrated ridge  | M    | 264.50 | 1        | 0225              | :Non - Asbestos fibre cement corrugate serrated adjustable ridge.  |
| 50.      | Non-Asb F.C. plain ridge.                | M    | 264.50 | 1        | 0226              | :Non - Asbestos fibre cement plain wing adjustable ridge.          |
| 60.      | Non-Asb F.C. unserrated ridge.           | M    | 264.50 | 1        | 0227              | :Non - Asbestos fibre cement unserrated adjustable ridge for hips. |
| 70.      | Non -Asbestos fibre cement apron piece.  | M    | 253.00 | 1        | 0228              | :Non - Asbestos fibre cement corrugated apron piece.               |
| 80.      | Non -Asbestos fibre cement eaves piece.  | EA   | 218.50 | 1        | 0229              | :Non - Asbestos fibre cement eaves filler piece.                   |
| 90.      | Non - Asbs fibre cement N L curves.      | M    | 345.00 | 1        | 0230              | :Non - Asbestos fibre cement north light curves.                   |
| 100.     | Non -Asbestos fibre cement vent curves.  | EA   | 391.00 | 1        | 0231              | :Non - Asbestos fibre cement ventilator curves.                    |
| 110.     | Non -Abs F.C. barge boards 6 mm thick.   | M    | 494.50 | 1        | 0232              | :Non - Asbestos fibre cement barge boards 6 mm thick.              |
| 120.     | Non - Asbestos fibre cement ridge finial | PAA  | 207.00 | 1        | 0233              | :Non - Asbestos fibre cement ridge finial .                        |
| 130.     | Non - Asb F.C. special N L curves.       | EA   | 690.00 | 1        | 0234              | :Non - Asbestos fibre cement special north light curves.           |
|          |  |      |        |          |                   |  |



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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 140.     | Non - Asb F.C. S type louvers.          | EA   | 322.00 | 1        | 0235              | :Non - Asbestos fibre cement S type louvers.                |
| 150.     | Non -Asb F.C. multipurpose board-6mm.   | M2   | 264.50 | 1        | 0236              | :Non - Asbestos multi purpose fibre cement board 6mm thick. |
| 160.     | Non -Asb F.C. multipurpose board-8mm.   | M2   | 276.00 | 1        | 0237              | :Non - Asbestos multi purpose fibre cement board 8mm thick. |
| 170.     | Brick Aggregate (Single size) : 63 mm   | M3   |        | 1        | 0285              | :Brick Aggregate (Single size) : 63 mm nominal size         |
| 180.     | Brick Aggregate (Single size) : 50 mm   | M3   |        | 1        | 0286              | :Brick Aggregate (Single size) : 50 mm nominal size         |
| 190.     | Brick Aggregate (Single size) : 40 mm   | M3   |        | 1        | 0287              | :Brick Aggregate (Single size) : 40 mm nominal size         |
| 200.     | Stone Aggregate (Single size) : 63 mm   | M3   |        | 1        | 0291              | :Stone Aggregate (Single size) : 63 mm nominal size         |
| 210.     | Stone Aggregate (Single size) : 50 mm   | M3   |        | 1        | 0292              | :Stone Aggregate (Single size) : 50 mm nominal size         |
| 220.     | Stone Aggregate (Single size) : 40 mm   | M3   |        | 1        | 0293              | :Stone Aggregate (Single size) : 40 mm nominal size         |
| 230.     | Stone Aggregate (Single size) : 25 mm   | M3   |        | 1        | 0294              | :Stone Aggregate (Single size) : 25 mm nominal size         |
| 240.     | Stone Aggregate (Single size) : 20 mm   | M3   |        | 1        | 0295              | :Stone Aggregate (Single size) : 20 mm nominal size         |
| 250.     | Stone Aggregate (Single size) : 12.5 mm | M3   |        | 1        | 0296              | :Stone Aggregate (Single size) : 12.5 mm nominal size       |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|-----------|----------|------------------|--|
| 260.     | Stone Aggregate (Single size) : 10 mm   | M3   |           | 1        | 0297             | :Stone Aggregate (Single size) : 10 mm nominal size                    |
| 270.     | Stone Aggregate (Single size) : 06 mm   | M3   |           | 1        | 0298             | :Stone Aggregate (Single size) : 06 mm nominal size                    |
| 280.     | Safeda ballies 125 mm diameter          | M    | 50.60     | 1        | 0302             | :Safeda ballies 125 mm diameter  |
| 290.     | Cow Dung                                | M3   | 310.50    | 1        | 0303             | Cow Dung   |
| 300.     | Bajri                                   | M3   |           | 1        | 0304             | :Bajri   |
| 310.     | Bamboo 25 mm dia 2.5 metre long         | NO   |           | 1        | 0305             | :Bamboo 25 mm dia 2.5 metre long                                       |
| 320.     | Bhusa                                   | QTL  | 609.50    | 1        | 0308             | :Bhusa   |
| 330.     | Paving bitumen S-90 of approved quality | TO   | 38,559.50 | 1        | 0309             | :Paving bitumen S-90 of approved quality                               |
| 340.     | Bitumen emulsion                        | TO   | 38,927.50 | 1        | 0310             | :Bitumen emulsion  |
| 350.     | Bitumen grade PMB - 40                  | MT   | 41,630.00 | 1        | 0312             | :Bitumen grade PMB - 40  |
| 360.     | Bitumen of penetration Grade 85/25      | TO   | 43,987.50 | 1        | 0313             | :Blown type petroleum bitumen of penetration 85/25 of approved quality |
| 370.     | itumen hot sealing compound : grade A   | KG   | 34.50     | 1        | 0314             | :Bitumen hot sealing compound : grade A                                |
| 380.     | Bitumen sol. primer of approved         | L    | 57.50     | 1        | 0316             | :Bitumen solution primer of approved quality                           |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
|          | quality                                 |      |        |          |                   |  |
| 390.     | Premoulded joint filler 12 mm thick     | M2   | 437.00 | 1        | 0317              | :Premoulded joint filler 12 mm thick                                       |
| 400.     | Bitumen felt fibre base (V or A): 2 G.1 | M2   | 86.25  | 1        | 0318              | :Bitumen felt fibre base (vegetable or animal):Type 2 grade 1              |
| 410.     | Bitumen felt :Type 3 grade 1            | M2   | 92.00  | 1        | 0322              | :Bitumen felt :Type 3 grade 1  |
| 420.     | Coal Tar                                | L    | 40.25  | 1        | 0324              | :Coal Tar  |
| 430.     | Blasting powder                         | KG   | 50.60  | 1        | 0325              | :Blasting powder   |
| 440.     | Blasting fuse (fuse wire)               | EA   | 52.90  | 1        | 0326              | :Blasting fuse (fuse wire)   |
| 450.     | White face insulating board:12 mm thick | M2   | 296.70 | 1        | 0328              | :White face insulating board:12 mm thick                                   |
| 460.     | Natural colour board:12 mm thick        | M2   | 265.65 | 1        | 0332              | :Natural colour insulating board:12 mm thick                               |
| 470.     | Flame retardant face board: 12 mm thick | M2   | 410.55 | 1        | 0336              | :Flame retardant face insulating board: 12 mm thick                        |
| 480.     | Retardant face fibre board 12 mm thick  | M2   | 473.80 | 1        | 0339              | :Flame retardant face insulating, Impregnated fibre board 12 mm thick      |
| 490.     | Flat 3 layer board, G I :12 mm thick    | M2   | 373.75 | 1        | 0341              | :Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick |

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| Item No. | Description                           | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|---------------------------------------|------|-----------|----------|-------------------|--|
| 500.     | Veneered board-Teak one & comm. other | M2   | 290.95    | 1        | 0346              | :Extra for veneered particle board with : Teak veneering on one side and commercial veneered on other side |
| 510.     | Veneered board :Comm. veneering both  | M2   | 195.50    | 1        | 0347              | :Extra for veneered particle board with : Commercial veneering on both sides                               |
| 520.     | Veneered board: Teak veneering both   | M2   | 632.50    | 1        | 0348              | :Extra for veneered particle board with : Teak veneering on both sides                                     |
| 530.     | Brick bats                            | M3   |           | 1        | 0362              | :Brick bats  |
| 540.     | Wire brush                            | EA   | 28.75     | 1        | 0364              | :Wire brush  |
| 550.     | Soft brush                            | EA   | 28.75     | 1        | 0365              | :Soft brush  |
| 560.     | Portland Cement                       | TO   |           | 1        | 0367              | :Portland Cement   |
| 570.     | White Cement                          | TO   | 12,075.00 | 1        | 0368              | :White Cement  |
| 580.     | Coal (steam)                          | QTL  | 575.00    | 1        | 0370              | :Coal (steam)  |
| 590.     | Cramp Gun metal 25x6x300 mm           | EA   | 101.20    | 1        | 0373              | :Cramp Gun metal 25x6x300 mm   |
| 600.     | Brass butt hinges : 125x70x4 mm       | NO   | 979.80    | 10       | 0378              | :Brass butt hinges (light/ordinary type) : 125x70x4 mm   |
| 610.     | Brass butt hinges : 100x70x4 mm       | NO   | 790.05    | 10       | 0379              | :Brass butt hinges (light/ordinary type) : 100x70x4 mm   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description                                      |
|----------|---|------|----------|----------|------------------|---|
| 620.     | Brass butt hinges : 75x40x2.5 mm        | NO   | 480.70   | 10       | 0380             | :Brass butt hinges (light/ordinary type) : 75x40x2.5 mm |
| 630.     | Brass butt hinges : 50x40x2.5 mm        | NO   | 195.50   | 10       | 0381             | :Brass butt hinges (light/ordinary type) : 50x40x2.5 mm |
| 640.     | Brass butt hinges:125x85x5.5 mm(.70)kg  | NO   | 1,654.85 | 10       | 0382             | :Brass butt hinges (heavy type) : 125x85x5.5 mm(.70)kg  |
| 650.     | Brass butt hinges: 100x85x5.5 mm(.56)kg | NO   | 1,260.40 | 10       | 0383             | :Brass butt hinges (heavy type) : 100x85x5.5 mm(.56)kg  |
| 660.     | Brass butt hinges:75x65x4.0 mm(.20)kg   | NO   | 1,059.15 | 10       | 0384             | :Brass butt hinges (heavy type) :75x65x4.0 mm(.20)kg    |
| 670.     | Brass hinges 150x125x27x5 mm            | NO   | 3,301.65 | 10       | 0385             | :Brass parliamentary hinges 150x125x27x5 mm             |
| 680.     | Brass hinges 125x125x27x5 mm            | NO   | 2,909.50 | 10       | 0386             | :Brass parliamentary hinges 125x125x27x5 mm             |
| 690.     | Brass hinges 100x125x27x5 mm            | NO   | 2,643.85 | 10       | 0387             | :Brass parliamentary hinges 100x125x27x5 mm             |
| 700.     | Brass hinges75x100x20x3.2 mm            | NO   | 2,365.55 | 10       | 0388             | :Brass parliamentary hinges75x100x20x3.2 mm             |
| 710.     | Brass single spring hinges 150 mm       | EA   | 537.05   | 1        | 0389             | :Brass single acting spring hinges 150 mm               |
| 720.     | Brass single spring hinges 125 mm       | EA   | 359.95   | 1        | 0390             | :Brass single spring hinges 125 mm                      |
| 730.     | Brass single spring hinges 100 mm       | EA   | 316.25   | 1        | 0391             | :Brass single spring hinges 100 mm                      |
| 740.     | Brass double spring hinges 150 mm       | EA   | 607.20   | 1        | 0392             | :Brass double spring hinges 150 mm                      |
| 750.     | Brass double spring hinges 125 mm       | EA   | 506.00   | 1        | 0393             | :Brass double spring hinges 125 mm                      |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 760.     | Brass double spring hinges 100 mm        | EA   | 493.35 | 1        | 0394              | :Brass double spring hinges 100 mm   |
| 770.     | Brass tower bolt : 250x10 mm             | EA   | 327.75 | 1        | 0400              | :Brass tower bolt : 250x10 mm  |
| 780.     | Brass tower bolt : 200x10 mm             | EA   | 264.50 | 1        | 0401              | :Brass tower bolt : 200x10 mm  |
| 790.     | Brass tower bolt : 150x10 mm             | EA   | 207.00 | 1        | 0402              | :Brass tower bolt : 150x10 mm  |
| 800.     | Brass tower bolt : 100x10 mm             | EA   | 138.00 | 1        | 0403              | :Brass tower bolt : 100x10 mm  |
| 810.     | Brass flush bolt 250 mm                  | EA   | 201.25 | 1        | 0404              | :Brass flush bolt 250 mm   |
| 820.     | Brass flush bolt 150 mm                  | EA   | 172.50 | 1        | 0405              | :Brass flush bolt 150 mm   |
| 830.     | Brass flush bolt 100 mm                  | EA   | 126.50 | 1        | 0406              | :Brass flush bolt 100 mm   |
| 840.     | Brass handles 125 mm on plate 175x32 mm  | EA   | 195.50 | 1        | 0408              | :Brass handles 125 mm on plate 175x32 mm   |
| 850.     | Brass handles 100 mm on plate 150x32 mm  | EA   | 178.25 | 1        | 0409              | Brass handles 100 mm on plate 150x32 mm  |
| 860.     | Brass handles 75 mm with plate 125x32 mm | EA   | 138.00 | 1        | 0410              | Brass handles 75 mm with plate 125x32 mm   |
| 870.     | Brass door latch 300x16x5 mm (0.380 kg)  | EA   | 235.75 | 1        | 0411              | Brass door latch 300x16x5 mm (0.380 kg)  |
| 880.     | Brass door latch 250x16x5 mm (0.350 kg)  | EA   | 224.25 | 1        | 0412              | Brass door latch 250x16x5 mm (0.350 kg)  |
| 890.     | Mortice latch & lock 100x65 mm with 6 L  | EA   | 506.00 | 1        | 0413              | Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles |
| 900.     | Mortice latch 100x65mm with a pair       | EA   | 402.50 | 1        | 0414              | :Brass mortice latch 100x65mm with a pair of brass lever handles                       |
| 910.     | Brass 150 mm fl. door                    | EA   | 201.25 | 1        | 0417              | Brass 150 mm floor door stopper (0.357kg)  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
|          | stopper(0.357kg)                        |      |        |          |                  |  |
| 920.     | Brass hard drawn hooks and eyes 300 mm  | NO   | 759.00 | 10       | 0418             | :Brass hard drawn hooks and eyes 300 mm  |
| 930.     | Brass hard drawn hooks and eyes 250 mm  | NO   | 725.65 | 10       | 0419             | :Brass hard drawn hooks and eyes 250 mm  |
| 940.     | Brass hard drawn hooks and eyes 200 mm  | NO   | 645.15 | 10       | 0420             | :Brass hard drawn hooks and eyes 200 mm  |
| 950.     | Brass hard drawn hooks and eyes 150 mm  | NO   | 506.00 | 10       | 0421             | :Brass hard drawn hooks and eyes 150 mm  |
| 960.     | Brass hard drawn hooks and eyes 100 mm  | NO   | 435.85 | 10       | 0422             | :Brass hard drawn hooks and eyes 100 mm  |
| 970.     | Brass casement window fastener          | EA   | 56.35  | 1        | 0423             | :Brass casement window fastener  |
| 980.     | Brass casement stays 300 mm,<not 0.33kg | EA   | 158.70 | 1        | 0424             | :Brass casement stays (straight peg type ) 300 mm weighing not less than 0.33 kg |
| 990.     | Brass casement stays not less 0.28 kg   | EA   | 126.50 | 1        | 0425             | :Brass casement stays (straight peg type ) 250 mm weighing not less than 0.28 kg |
| 1000.    | Brass casement stays not less 0.24 kg   | EA   | 119.60 | 1        | 0426             | :Brass casement stays (straight peg type ) 200 mm weighing not less than 0.24 kg |
| 1010.    | Brass quadrant stays 300 mm             | EA   | 139.15 | 1        | 0427             | :Brass quadrant stays 300 mm   |
| 1020.    | Brass fanlight catch                    | NO   | 215.05 | 10       | 0428             | :Brass fanlight catch  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description                            |
|----------|---|------|--------|----------|------------------|---|
| 1030.    | Brass fanlight pivot                    | NO   | 211.60 | 10       | 0429             | Brass fanlight pivot                          |
| 1040.    | Brass chain with hook, fan light catch  | EA   | 44.85  | 1        | 0430             | Brass chain with hook for fan light catch     |
| 1050.    | Brass hasps and staples 300 mm          | NO   | 936.10 | 10       | 0431             | :Brass hasps and staples (safety type) 300 mm |
| 1060.    | Brass hasps and staples 115 mm          | NO   | 847.55 | 10       | 0432             | :Brass hasps and staples (safety type) 115 mm |
| 1070.    | Brass hasps and staples 90 mm           | NO   | 726.80 | 10       | 0433             | :Brass hasps and staples (safety type)90 mm   |
| 1080.    | Brass Night latch                       | EA   | 771.65 | 1        | 0438             | :Brass Night latch                            |
| 1090.    | Brass helical spring 150 mm             | EA   | 366.85 | 1        | 0442             | :Brass helical spring 150 mm                  |
| 1100.    | Brass curtain rod 20 mm dia 1.25 mm th. | M    | 177.10 | 1        | 0444             | :Brass curtain rod 20 mm dia 1.25 mm thick    |
| 1110.    | Brass curtain rod 25 mm dia 1.25 mm th. | M    | 240.35 | 1        | 0445             | :Brass curtain rod 25 mm dia 1.25 mm thick    |
| 1120.    | Brass brackets (curtain rods) 20 mm     | EA   | 56.35  | 1        | 0446             | :Brass brackets (curtain rods) 20 mm          |
| 1130.    | Brass cupboard knob/ward robe knob 50mm | EA   | 44.85  | 1        | 0447             | :Brass cupboard knob or ward robe knob 50 mm  |
| 1140.    | Brass screws 50 mm                      | NO   | 278.30 | 100      | 0449             | :Brass screws 50 mm                           |
| 1150.    | Brass screws 40 mm                      | NO   | 215.05 | 100      | 0450             | :Brass screws 40 mm                           |
| 1160.    | Brass screws 30 mm                      | NO   | 177.10 | 100      | 0451             | :Brass screws 30 mm                           |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 1170.    | Brass screws 25 mm                      | NO   | 126.50   | 100      | 0452             | :Brass screws 25 mm  |
| 1180.    | Brass screws 20 mm                      | NO   | 119.60   | 100      | 0453             | :Brass screws 20 mm  |
| 1190.    | Chromium plated Brass butt, 75x65x4.0mm | NO   | 1,071.80 | 10       | 0524             | :Chromium plated Brass butt hinges (heavy) type 75x65x4 .0 mm (200gms) |
| 1200.    | Chromium plated Brass butt 125x70x4mm   | NO   | 828.00   | 10       | 0525             | :Chromium plated Brass butt hinges (light/ordinary) type 125x70x4 mm   |
| 1210.    | Chromium plated Brass butt 100x70x4 mm  | NO   | 730.25   | 10       | 0526             | :Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm   |
| 1220.    | Chromium plated Brass butt 75x40x2.5mm  | NO   | 438.15   | 10       | 0527             | :Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm  |
| 1230.    | Chromium plated Brass butt 50x40x2.5    | NO   | 230.00   | 10       | 0528             | :Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5     |
| 1240.    | Chromium plated 125 mm with 175 x32 mm  | EA   | 174.80   | 1        | 0555             | :Chromium plated Brass handles 125 mm with plate 175 x32 mm            |
| 1250.    | Chromium plated 100 mm with 150 x 32 mm | EA   | 155.25   | 1        | 0556             | :Chromium plated Brass handles 100 mm with plate 150 x 32 mm           |
| 1260.    | Chromium plated 75mm with 125x32 mm     | EA   | 131.10   | 1        | 0557             | :Chromium plated Brass handles 75mm with plate 125x32 mm               |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 1270.    | Chromium plated Brass mortice 100x65mm  | EA   | 622.15 | 1        | 0558              | :Chromium plated Brass mortice latch and lock 100x65 mm with 6 levers and a pair of brass lever handles |
| 1280.    | Chromium plate casement window fastener | EA   | 106.95 | 1        | 0568              | :Chromium plated brass casement window fastener   |
| 1290.    | Chromium plate 300 mm not less 0.33 kg  | EA   | 155.25 | 1        | 0569              | :Chromium plated Brass casement stays (straight peg type ) 300 mm weighing not less than 0.33 kg        |
| 1300.    | Chromium plate 250 mm not less 0.28 kg  | EA   | 135.70 | 1        | 0570              | :Chromium plated Brass casement stays (straight peg type ) 250 mm weighing not less than 0.28 kg        |
| 1310.    | Chromium plate 200 mm not less 0.24 kg  | EA   | 116.15 | 1        | 0571              | :Chromium plated Brass casement stays (straight peg type ) 200 mm weighing not less than 0.24 kg        |
| 1320.    | Chromium plated Brass Night latch       | EA   | 585.35 | 1        | 0583              | :Chromium plated Brass Night latch  |
| 1330.    | Chromium plated Brass Wardrobe 50 mm    | EA   | 106.95 | 1        | 0584              | :Chromium plated Brass Wardrobe Knob 50 mm  |
| 1340.    | Chromium plated Brass screws 50 mm      | NO   | 316.25 | 100      | 0585              | :Chromium plated Brass screws 50 mm   |
| 1350.    | Chromium plated Brass screws 40 mm      | NO   | 292.10 | 100      | 0586              | Chromium plated Brass screws 40 mm  |
| 1360.    | Chromium plated Brass screws 30 mm      | NO   | 262.20 | 100      | 0587              | Chromium plated Brass screws 30 mm  |
| 1370.    | Chromium plated Brass screws 25         | NO   | 203.55 | 100      | 0588              | Chromium plated Brass screws 25 mm  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
|          | mm                                      |      |        |          |                  |  |
| 1380.    | Chromium plated Brass screws 20 mm      | NO   | 174.80 | 1        | 0589             | Chromium plated Brass screws 20 mm                                       |
| 1390.    | Chromium, curtain rod 12 dia 1.25mm th. | M    | 204.70 | 1        | 0590             | :Chromium plated Brass curtain rod 12 mm dia 1.25mm thick                |
| 1400.    | Chromium, curtain rod 20 dia 1.25mm th. | M    | 292.10 | 1        | 0591             | :Chromium plated Brass curtain rod 20 mm dia 1.25mm thick                |
| 1410.    | Chromium, curtain rod 25 dia 1.25mm th. | M    | 399.05 | 1        | 0592             | :Chromium plated Brass curtain rod 25 mm dia 1.25mm thick                |
| 1420.    | Bright finished, hinges 125x65x2.12 mm  | NO   | 140.30 | 10       | 0594             | :Bright finished or black enameled mild steel butt hinges 125x65x2.12 mm |
| 1430.    | Bright finished, hinges 100x58x1.90 mm  | NO   | 92.00  | 10       | 0595             | :Bright finished or black enameled mild steel butt hinges 100x58x1.90 mm |
| 1440.    | Bright finished, hinges75x47x1.70 mm    | NO   | 72.45  | 10       | 0596             | :Bright finished or black enameled mild steel butt hinges75x47x1.70 mm   |
| 1450.    | Bright finished, hinges50x37x1.50 mm    | NO   | 56.35  | 10       | 0597             | :Bright finished or black enameled mild steel butt hinges50x37x1.50 mm   |
| 1460.    | Nickel plated, hinges 1 thick 35mm wide | M    | 48.30  | 1        | 0608             | :Nickel plated mild steel piano hinges 1 mm thick 35 mm wide             |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 1470.    | Bright finished, mild steel screws 50mm | NO   | 92.00  | 100      | 0635              | :Bright finished or black enameled mild steel screws 50 mm           |
| 1480.    | Bright finished,mild steel screws 40 mm | NO   | 71.30  | 100      | 0637              | :Bright finished or black enameled mild steel screws 40 mm           |
| 1490.    | Bright finished, mild steel screws 30mm | NO   | 55.20  | 100      | 0638              | :Bright finished or black enameled mild steel screws 30 mm           |
| 1500.    | Bright finished, mild steel screws 25mm | NO   | 48.30  | 100      | 0639              | :Bright finished or black enameled mild steel screws 25 mm           |
| 1510.    | Bright finished, mild steel screws 20mm | NO   | 46.00  | 100      | 0640              | :Bright finished or black enameled mild steel screws 20 mm           |
| 1520.    | Bright finished, M.S. bolts/nuts 50x6mm | EA   | 6.90   | 1        | 0641              | :Bright finished or black enameled mild steel bolts and nuts 50x6 mm |
| 1530.    | Oxidised M.S. butt hinges 125x65x2.12mm | NO   | 155.25 | 10       | 0642              | :Oxidised mild steel butt hinges 125x65x2.12 mm                      |
| 1540.    | Oxidised M.S. butt hinges100x58x1.90mm  | NO   | 110.40 | 10       | 0643              | :Oxidised mild steel butt hinges 100x58x1.90 mm                      |
| 1550.    | Oxidised M.S. butt hinges75x47x1.70mm   | NO   | 80.50  | 10       | 0644              | :Oxidised mild steel butt hinges75x47x1.70 mm                        |
| 1560.    | Oxidised M.S. butt                      | NO   | 69.00  | 10       | 0645              | :Oxidised mild steel butt hinges50x37x1.50 mm                        |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          | hinges50x37x1.50 mm                     |      |        |          |                  |   |
| 1570.    | Oxidised M.S., hinges150x125x27x2.8 mm  | NO   | 419.75 | 10       | 0646             | :Oxidised mild steel parliamentary hinges150x125x27x2.8 mm  |
| 1580.    | Oxidised M.S., hinges 125x125x27x2.8 mm | NO   | 373.75 | 10       | 0647             | :Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm |
| 1590.    | Oxidised, M.S. hinges 100x125x27x2.8 mm | NO   | 287.50 | 10       | 0648             | :Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm |
| 1600.    | Oxidised, M.S. hinges 75x100x20x2.24mm  | NO   | 247.25 | 10       | 0649             | :Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm |
| 1610.    | Oxidised M.S. single spring hinges150mm | EA   | 172.50 | 1        | 0650             | :Oxidised mild steel single acting spring hinges 150 mm     |
| 1620.    | Oxidised M.S. single spring hinges125mm | EA   | 149.50 | 1        | 0651             | :Oxidised mild steel single acting spring hinges 125 mm     |
| 1630.    | Oxidised M.S. single spring hinges100mm | EA   | 126.50 | 1        | 0652             | :Oxidised mild steel single acting spring hinges 100 mm     |
| 1640.    | Oxidised M.S. double spring hinges150mm | EA   | 201.25 | 1        | 0653             | :Oxidised mild steel double acting spring hinges 150 mm     |
| 1650.    | Oxidised M.S. double spring hinges125mm | EA   | 172.50 | 1        | 0654             | :Oxidised mild steel double acting spring hinges 125 mm     |
| 1660.    | Oxidised M.S. double spring hinges100mm | EA   | 149.50 | 1        | 0655             | :Oxidised mild steel double acting spring hinges 100 mm     |
| 1670.    | Nickel plate M.S. hinges 1 th. 35       | M    | 48.30  | 1        | 0656             | :Nickel plated mild steel piano hinges 1 mm thick 35 mm     |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
|          | mm w.                                    |      |        |          |                   | wide   |
| 1680.    | Oxidised M.S. sliding door bolt 300x16mm | EA   | 115.00 | 1        | 0660              | :Oxidised mild steel sliding door bolt 300x16 mm           |
| 1690.    | Oxidised M.S. sliding D. bolt 250x16mm   | EA   | 97.75  | 1        | 0661              | :Oxidised mild steel sliding door bolt 250x16 mm           |
| 1700.    | Oxidised M.S. door latch 300x20x6 mm     | EA   | 63.25  | 1        | 0662              | :Oxidised mild steel door latch 300x20x6 mm                |
| 1710.    | Oxidised M.S. door latch 250x20x6 mm     | EA   | 48.30  | 1        | 0663              | :Oxidised mild steel door latch 250x20x6 mm                |
| 1720.    | Oxidised mild steel tower bolt 250x10mm  | EA   | 51.75  | 1        | 0664              | :Oxidised mild steel tower bolt (barrel type) 250x10 mm    |
| 1730.    | Oxidised mild steel tower bolt 200x10mm  | EA   | 41.40  | 1        | 0665              | :Oxidised mild steel tower bolt (barrel type) 200x10 mm    |
| 1740.    | Oxidised mild steel tower bolt 150x10mm  | EA   | 34.50  | 1        | 0666              | :Oxidised mild steel tower bolt (barrel type) 150x10 mm    |
| 1750.    | Oxidised mild steel tower bolt 100x10mm  | EA   | 24.15  | 1        | 0667              | :Oxidised mild steel tower bolt (barrel type) 100x10 mm    |
| 1760.    | Oxidised mild steel handles 125 mm       | EA   | 24.15  | 1        | 0668              | :Oxidised mild steel handles 125 mm                        |
| 1770.    | Oxidised mild steel handles 100 mm       | EA   | 18.40  | 1        | 0669              | Oxidised mild steel handles 100 mm                         |
| 1780.    | Oxidised mild steel handles 75 mm        | EA   | 16.10  | 1        | 0670              | Oxidised mild steel handles 75 mm                          |
| 1790.    | Oxidised M.S. hasps and staples 150mm    | NO   | 151.80 | 10       | 0679              | :Oxidised mild steel hasps and staples(safety type) 150 mm |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 1800.    | Oxidised M.S. hasps and staples 115 mm  | NO   | 128.80 | 10       | 0680             | :Oxidised mild steel hasps and staples(safety type) 115 mm |
| 1810.    | Oxidised M.S. hasps and staples 90 mm   | NO   | 93.15  | 10       | 0681             | :Oxidised mild steel hasps and staples(safety type)90 mm   |
| 1820.    | Oxidised mild steel screws 50 mm        | NO   | 97.75  | 100      | 0682             | :Oxidised mild steel screws 50 mm                          |
| 1830.    | Oxidised mild steel screws 40 mm        | NO   | 80.50  | 100      | 0683             | Oxidised mild steel screws 40 mm                           |
| 1840.    | Oxidised mild steel screws 30 mm        | NO   | 57.50  | 100      | 0684             | Oxidised mild steel screws 30 mm                           |
| 1850.    | Oxidised mild steel screws 25 mm        | NO   | 44.85  | 100      | 0685             | Oxidised mild steel screws 25 mm                           |
| 1860.    | Oxidised mild steel screws 20 mm        | NO   | 37.95  | 100      | 0686             | Oxidised mild steel screws 20 mm                           |
| 1870.    | Anodised Aluminium hinges 125x75x4 mm   | NO   | 667.00 | 10       | 0687             | :Anodised Aluminium butt hinges 125x75x4 mm                |
| 1880.    | Anodised Aluminium hinges 125x63x4 mm   | NO   | 477.25 | 10       | 0688             | :Anodised Aluminium butt hinges 125x63x4 mm                |
| 1890.    | Anodised Aluminium hinges 100x75x4 mm   | NO   | 471.50 | 10       | 0689             | :Anodised Aluminium butt hinges 100x75x4 mm                |
| 1900.    | Anodised Aluminium hinges 100x63x3.2 mm | NO   | 322.00 | 10       | 0690             | :Anodised Aluminium butt hinges 100x63x3.2 mm              |
| 1910.    | Anodised Aluminium hinges 100x63x4 mm   | NO   | 385.25 | 10       | 0691             | :Anodised Aluminium butt hinges 100x63x4 mm                |
| 1920.    | Anodised Aluminium hinges 75x63x4 mm    | NO   | 327.75 | 10       | 0692             | :Anodised Aluminium butt hinges 75x63x4 mm                 |
| 1930.    | Anodised Aluminium hinges               | NO   | 276.00 | 10       | 0693             | :Anodised Aluminium butt hinges 75x63x3.2 mm               |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          | 75x63x3.2 mm                            |      |        |          |                  |   |
| 1940.    | Anodised Aluminium hinges 75x45x3.2 mm  | NO   | 235.75 | 10       | 0694             | :Anodised Aluminium butt hinges 75x45x3.2 mm              |
| 1950.    | Anodised Aluminium s. door bolt300x16mm | EA   | 184.00 | 1        | 0696             | :Anodised Aluminium sliding door bolt 300x16 mm           |
| 1960.    | Anodised Aluminium s. door bolt250x16mm | EA   | 149.50 | 1        | 0697             | :Anodised Aluminium sliding door bolt 250x16 mm           |
| 1970.    | Anodised Aluminium tower bolt 300x10mm  | NO   | 701.50 | 10       | 0698             | :Anodised Aluminium tower bolt (barrel type)300x10 mm     |
| 1980.    | Anodised Aluminium tower bolt 250x10 mm | NO   | 580.75 | 10       | 0699             | :Anodised Aluminium tower bolt (barrel type)250x10 mm     |
| 1990.    | Anodised Aluminium tower bolt 200x10 mm | NO   | 460.00 | 10       | 0700             | :Anodised Aluminium tower bolt (barrel type)200x10 mm     |
| 2000.    | Anodised Aluminium tower bolt 150x10 mm | NO   | 368.00 | 10       | 0701             | :Anodised Aluminium tower bolt (barrel type)150x10 mm     |
| 2010.    | Anodised Aluminium tower bolt 100x10 mm | NO   | 276.00 | 10       | 0702             | :Anodised Aluminium tower bolt (barrel type)100x10 mm     |
| 2020.    | Anodised Aluminium, with plate 175x32mm | NO   | 385.25 | 10       | 0703             | :Anodised Aluminium handles 125 mm with plate 175 x 32 mm |
| 2030.    | Anodised Aluminium, with plate 150x32mm | NO   | 333.50 | 10       | 0704             | :Anodised Aluminium handles 100 mm with plate 150 x 32 mm |
| 2040.    | Anodised Aluminium, with plate 125x32mm | NO   | 281.75 | 10       | 0705             | :Anodised Aluminium handles 75mm with plate 125 x 32 mm   |



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|----------|--|------|----------|----------|------------------|--|
| 2050.    | Anodised Aluminium kicking p. 50 cm L.   | EA   | 172.50   | 1        | 0706             | :Anodised Aluminium kicking plate 50 cm long100x3.15 mm                              |
| 2060.    | Block board with teak wood ply 35 mm th. | M2   | 2,139.00 | 1        | 0713             | :Block board construction flush door with teak wood ply on both faces 35 mm thick    |
| 2070.    | Block board with teak wood ply 30 mm th. | M2   | 1,891.75 | 1        | 0714             | :Block board construction flush door with teak wood ply on both faces 30 mm thick    |
| 2080.    | Block B. with teak wood ply 25 mm th.    | M2   | 1,661.75 | 1        | 0715             | :Block board construction flush door with teak wood ply on both faces 25 mm thick    |
| 2090.    | Block B. with comm. ply 35 mm thick      | M2   | 1,265.00 | 1        | 0717             | :Block board construction flush door with commercial ply on both faces 35 mm thick   |
| 2100.    | Block B. with comm. ply 30 mm thick      | M2   | 1,086.75 | 1        | 0718             | :Block board construction flush door with commercial ply on both faces 30 mm thick   |
| 2110.    | Block B. with comm. ply 25 mm thick      | M2   | 1,075.25 | 1        | 0719             | :Block board construction flush door with commercial ply on both faces 25 mm thick   |
| 2120.    | Block B.construction flush door lipping  | M2   | 373.75   | 1        | 0752             | :Block board construction flush door lipping (Rate :Sqm of door area)                |
| 2130.    | Square vision panel flush door           | M2   | 161.00   | 1        | 0753             | :Square vision panel in Block board construction flush door (Rate :Sqm of door area) |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 2140.    | Circular vision panel flush door       | M2   | 166.75   | 1        | 0754              | :Circular vision panel in Block board construction flush door                            |
| 2150.    | Decorative type Louvers flush door     | M2   | 327.75   | 1        | 0755              | :Decorative type Louvers in Block board construction flush door (Rate :Sqm of door area) |
| 2160.    | Rebate cutting, Block board flush door | M2   | 86.25    | 1        | 0757              | :Rebate cutting in Block board construction flush door (Rate :Sqm of door area)          |
| 2170.    | Decorative plywood 4 mm                | M2   | 396.75   | 1        | 0759              | :  |
| 2180.    | Fuel wood                              | QTL  | 632.50   | 1        | 0761              |  |
| 2190.    | Glue                                   | KG   | 92.00    | 1        | 0763              |  |
| 2200.    | Hessian cloth                          | M2   | 43.70    | 1        | 0765              |  |
| 2210.    | Cement Concrete Jali 50 mm thick       | M2   | 500.25   | 1        | 0768              |  |
| 2220.    | Cement Concrete Jali 40 mm thick       | M2   | 437.00   | 1        | 0769              |  |
| 2230.    | Cement Concrete Jali 25 mm thick       | M2   | 339.25   | 1        | 0770              |  |
| 2240.    | Kerosene oil                           | L    | 57.50    | 1        | 0771              |  |
| 2250.    | Unslaked lime                          | QTL  | 373.75   | 1        | 0773              |  |
| 2260.    | Dehradun white lime                    | QTL  | 747.50   | 1        | 0775              |  |
| 2270.    | Satna lime                             | QTL  | 460.00   | 1        | 0776              |  |
| 2280.    | Dry hydrated lime (factory made)       | QTL  | 362.25   | 1        | 0777              |  |
| 2290.    | Marble dust/ powder                    | M3   | 1,357.00 | 1        | 0784              |  |
| 2300.    | Marble chips up to 4mm, White &        | QTL  | 230.00   | 1        | 0785              | :Marble chips up to 4mm and downsize White & black                                       |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          | black                                    |      |        |          |                  |   |
| 2310.    | Marble chips large 4 mm White & black    | QTL  | 322.00 | 1        | 0788             | :Marble chips large size above 4 mm White & black                     |
| 2320.    | Moorum                                   | M3   | 621.00 | 1        | 0810             |   |
| 2330.    | Mud (dry)                                | M3   | 218.50 | 1        | 0811             |   |
| 2340.    | Dry distemper                            | KG   |        | 1        | 0815             |   |
| 2350.    | Oil bound washable distemper/ Acrylic di | KG   |        | 1        | 0816             | :Oil bound washable distemper/ Acrylic distemper                      |
| 2360.    | Linseed oil (double boiled)              | L    | 247.25 | 1        | 0818             |   |
| 2370.    | Cement primer                            | L    |        | 1        | 0820             |   |
| 2380.    | Distemper primer                         | L    |        | 1        | 0821             |   |
| 2390.    | Pink primer (for wood)                   | L    |        | 1        | 0823             |   |
| 2400.    | Aluminium paint                          | L    | 195.50 | 1        | 0826             |   |
| 2410.    | Acid proof paint (chocolate or black)    | L    | 258.75 | 1        | 0827             |   |
| 2420.    | Anticorrosive bituminous paint (black)   | L    | 138.00 | 1        | 0828             |   |
| 2430.    | Black Japan                              | L    | 126.50 | 1        | 0829             |   |
| 2440.    | Enamel paint                             | L    |        | 1        | 0830             |   |
| 2450.    | Floor enamel paint in all shades         | L    |        | 1        | 0831             | :Floor enamel paint in all shades except green                        |
| 2460.    | Synthetic enamel paint in black          | L    | 207.00 | 1        | 0833             | :Synthetic enamel paint in black or chocolate shade                   |
| 2470.    | Synthetic enamel paint, except black     | L    | 204.70 | 1        | 0834             | :Synthetic enamel paint in all shades except black or chocolate shade |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 2480.    | Plastic emulsion paint                   | L    |        | 1        | 0835              |   |
| 2490.    | Roofing paint for iron sheets in red col | L    | 155.25 | 1        | 0845              | :Roofing paint for iron sheets in red colour                                    |
| 2500.    | White lead                               | KG   | 218.50 | 1        | 0850              |   |
| 2510.    | Water proofing cement paint              | KG   | 47.15  | 1        | 0851              |   |
| 2520.    | Wax polish (ready made)                  | KG   | 278.30 | 1        | 0855              |   |
| 2530.    | Ordinary varnish                         | L    | 126.50 | 1        | 0856              |   |
| 2540.    | Superior copal varnish                   | L    | 132.25 | 1        | 0857              |   |
| 2550.    | Superior spar varnish                    | L    | 132.25 | 1        | 0858              |   |
| 2560.    | Oil type wood preservative               | L    | 149.50 | 1        | 0859              |   |
| 2570.    | Putty for wood work                      | KG   | 36.80  | 1        | 0863              |   |
| 2580.    | Pig lead                                 | KG   | 207.00 | 1        | 0865              |   |
| 2590.    | Premixed super white gypsum plaster.     | KG   | 9.20   | 1        | 0868              |   |
| 2600.    | Plaster of Paris                         | KG   | 8.05   | 1        | 0869              |   |
| 2610.    | Plug                                     | EA   | 11.50  | 1        | 0870              |   |
| 2620.    | Copper pins 6 mm dia 7.5 cm long         | EA   | 13.80  | 1        | 0873              |   |
| 2630.    | Black colour dark shade pigment          | KG   | 86.25  | 1        | 0874              |   |
| 2640.    | Red, chocolate, etc. light shade pigment | KG   | 74.75  | 1        | 0875              | :Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment |
| 2650.    | Green or blue medium shade pigment       | KG   | 69.00  | 1        | 0876              |   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 2660.    | Std. bat clamp cast iron pipes 150mm dia | EA   | 57.50    | 1        | 0886              | :Standard holder bat clamps for sand cast iron or cast iron pipes 150 mm dia  |
| 2670.    | Sand Cast iron plain shoe 150 mm dia     | EA   | 368.00   | 1        | 0966              |   |
| 2680.    | Copper plate                             | KG   | 632.50   | 1        | 0967              |   |
| 2690.    | Pulley 25 mm dia                         | EA   | 55.20    | 1        | 0969              |   |
| 2700.    | Rolling shutter 80x1.25 mm               | M2   | 1,840.00 | 1        | 0973              | :Rolling shutter made of 80x1.25 mm machine rolled laths  |
| 2710.    | Top cover for rolling shutters           | M    | 1,058.00 | 1        | 0974              |   |
| 2720.    | 27.5 cm grade 2 for rolling shutters     | EA   | 379.50   | 1        | 0975              | :27.5 cm long wire spring grade no 2 for rolling shutters   |
| 2730.    | Ball bearing for rolling shutters        | EA   | 327.75   | 1        | 0976              |   |
| 2740.    | Extra mechanical exceeding 10sqm of door | M2   | 1,000.50 | 1        | 0977              | :Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 10.00 sq.m and up to 16.80 sq.m area of door |
| 2750.    | Extra mechanical exceed 16.8sqm of door  | M2   | 920.00   | 1        | 0978              | :Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 16.80 sq.m area of door                      |
| 2760.    | Royalty for good earth                   | M3   | 69.00    | 1        | 0979              |   |
| 2770.    | Royalty for sludge                       | M3   | 115.00   | 1        | 0980              |   |
| 2780.    | Coarse sand (zone III)                   | M3   | 1,667.50 | 1        | 0982              |   |
| 2790.    | Fine sand (zone IV)                      | M3   | 1,127.00 | 1        | 0983              |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 2800.    | Galvanised steel plain sheets           | QTL  | 7,820.00 | 1        | 0992             |   |
| 2810.    | Std. qlty hard board sheet 3 mm thick   | M2   | 166.75   | 1        | 0994             | :Standard quality hard board sheet 3 mm thick                   |
| 2820.    | Std. qlty hard board sheet 4.5 mm thick | M2   | 258.75   | 1        | 0996             | :Standard quality hard board sheet 4.5 mm thick                 |
| 2830.    | Shellac                                 | KG   | 345.00   | 1        | 0999             |   |
| 2840.    | Spirit                                  | L    | 69.00    | 1        | 1000             |   |
| 2850.    | Spun yarn                               | KG   | 69.00    | 1        | 1001             |   |
| 2860.    | Mild steel round bar 12 mm dia & below  | QTL  | 6,382.50 | 1        | 1002             |   |
| 2870.    | Mild steel round bar above 12 mm dia    | QTL  | 6,267.50 | 1        | 1003             |   |
| 2880.    | Avr. rate Mild steel round bars .       | QTL  | 6,325.00 | 1        | 1004             | :Average rate of Mild steel round bars for reinforcements       |
| 2890.    | Twisted steel / deformed bars           | QTL  | 6,382.50 | 1        | 1005             |   |
| 2900.    | Mild steel square bars                  | QTL  | 6,325.00 | 1        | 1006             |   |
| 2910.    | Structural steel channels & R.S joists  | QTL  | 6,859.75 | 1        | 1007             | :Structural steel such as tees, angles channels and R.S. joists |
| 2920.    | Flats up to 10 mm in thickness          | QTL  | 6,267.50 | 1        | 1008             |   |
| 2930.    | Flats exceeding 10 mm in thickness      | QTL  | 6,325.00 | 1        | 1009             |   |
| 2940.    | Mild steel plates                       | QTL  | 6,555.00 | 1        | 1010             |   |
| 2950.    | Mild steel sheets for tanks             | QTL  | 6,325.00 | 1        | 1013             |   |
| 2960.    | M.S. expanded metal 20x60 mm            | M2   | 322.00   | 1        | 1015             | :Mild steel expanded metal 20x60 mm strands                     |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          | strands                                 |      |          |          |                  |  |
| 2970.    | Mild steel hooks                        | EA   | 36.80    | 1        | 1019             |  |
| 2980.    | Mild steel rivets                       | QTL  | 5,865.00 | 1        | 1020             |  |
| 2990.    | Hard drawn steel wire fabric            | M2   | 494.50   | 1        | 1021             |  |
| 3000.    | Gal. V. steel bolts & nuts 6 mm dia.    | NO   | 43.70    | 10       | 1022             | :Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots   |
| 3010.    | Galvanised steel J or L hooks 8 mm dia  | NO   | 149.50   | 10       | 1023             |  |
| 3020.    | Gal. V. steel bolts & nuts 10 mm dia.   | EA   | 10.35    | 1        | 1024             | :Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots   |
| 3030.    | M.S. bolts 6 mm dia & 25 mm long        | NO   | 11.50    | 10       | 1025             | :Mild stel bolts 6 mm dia and 25 mm long with hexagonal head head with slots   |
| 3040.    | Straining bolts                         | EA   | 92.00    | 1        | 1028             |  |
| 3050.    | Galvanised steel barbed wire            | QTL  | 6,325.00 | 1        | 1029             |  |
| 3060.    | Galvanised steel turn buckles           | EA   | 28.75    | 1        | 1030             |  |
| 3070.    | Gal. V. steel bolts & nuts 27 cm long   | EA   | 23.00    | 1        | 1031             | :Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steel nuts threaded with 4 galvanised steel nuts |
| 3080.    | Gal. V. steel bolts 7 cm long with nuts | EA   | 6.90     | 1        | 1032             | :Galvanised steel bolts 10 mm dia and 7 cm long with nuts  |
| 3090.    | Bolts and nuts up to 300 mm in          | QTL  | 5,980.00 | 1        | 1034             |  |

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| Item No. | Description                                    | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                              |
|----------|--|------|----------|----------|-------------------|---|
|          | length   |      |          |          |                   |   |
| 3100.    | Bolts and nuts above 300 mm in length          | QTL  | 6,095.00 | 1        | 1035              |   |
| 3110.    | Iron pintels including welded pin              | EA   | 42.55    | 1        | 1036              |   |
| 3120.    | Steel beading                                  | M    | 31.05    | 1        | 1143              |   |
| 3130.    | Aluminium Plain Strip edging 38x12x3 mm        | M    | 103.50   | 1        | 1145              |   |
| 3140.    | Glass strip 4 mm thick 40 mm deep              | M    | 23.00    | 1        | 1149              |   |
| 3150.    | Boundary stone top chisel 15x15x90 cm          | EA   | 92.00    | 1        | 1151              | :Boundary stone top chisel dressed 15x15x90 cm  |
| 3160.    | Through and bond stone                         | NO   | 5,750.00 | 100      | 1154              |   |
| 3170.    | Stone for masonry work                         | M3   |          | 1        | 1157              |   |
| 3180.    | Stone for pitching 15 cm x 22.5 cm             | M3   |          | 1        | 1158              |   |
| 3190.    | Stone dust                                     | M3   |          | 1        | 1159              |   |
| 3200.    | Red sand stone block                           | DM3  | 149.50   | 10       | 1160              |   |
| 3210.    | White sand stone block                         | DM3  | 235.75   | 10       | 1161              |   |
| 3220.    | White sand stone slab 75 mm thick (un-dressed) | M2   | 1,035.00 | 1        | 1163              | :White sand stone slab 75 mm thick (un-dressed) |
| 3230.    | Red sand stone slab 40 mm thick (un-dressed)   | M2   | 379.50   | 1        | 1164              | :Red sand stone slab 40 mm thick (un-dressed)   |
| 3240.    | White sand stone slab 40 mm thick              | M2   | 425.50   | 1        | 1165              | :White sand stone slab 40 mm thick (un-dressed) |
| 3250.    | Red sand stone slab 30 mm thick                | M2   | 345.00   | 1        | 1166              | :Red sand stone slab 30 mm thick (un-dressed)   |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 3260.    | Kota stone slab 20 mm to 25 mm thick    | M2   | 368.00   | 1        | 1168              | :Kota stone slab 20 mm to 25 mm thick (semi-polished)                    |
| 3270.    | Kota stone slab 25mm thick              | M2   | 322.00   | 1        | 1169              | :Kota stone slab 25mm thick (rough chiseled)                             |
| 3280.    | Red sand stone slab 45 mm & 50 mm thick | M2   | 391.00   | 1        | 1174              | :Red sand stone slab 45 mm and 50 mm thick (un-dressed)                  |
| 3290.    | White sand stone slab 45 mm & 50 mm th. | M2   | 368.00   | 1        | 1175              | :White sand stone slab 45 mm and 50 mm thick (un-dressed)                |
| 3300.    | Stone grit 6 mm & down size/pea gravel  | M3   |          | 1        | 1177              | :Stone grit 6 mm and down size or pea sized gravel                       |
| 3310.    | Crushed stone 2.36 mm to 12.5 mm size   | M3   |          | 1        | 1179              |  |
| 3320.    | Superior class teak wood such- Dandeli  | DM3  | 1,265.00 | 10       | 1186              | :Superior class teak wood such as Dandeli, Balارشah or Malabar in planks |
| 3330.    | First class teak wood in scantling      | DM3  | 1,012.00 | 10       | 1187              |  |
| 3340.    | First class teak wood in planks         | DM3  | 977.50   | 10       | 1188              |  |
| 3350.    | Second class teak wood in scantling     | DM3  | 892.40   | 10       | 1189              |  |
| 3360.    | Second class teak wood in planks        | DM3  | 909.65   | 10       | 1190              |  |
| 3370.    | Second class deodar wood in planks      | DM3  | 575.00   | 10       | 1194              |  |
| 3380.    | First class kail wood in planks         | DM3  | 345.00   | 10       | 1196              |  |
| 3390.    | Second class kail wood in scantling     | DM3  | 299.00   | 10       | 1197              |  |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|----------|----------|------------------|---|
| 3400.    | Second class kail wood in planks      | DM3  | 299.00   | 10       | 1198             |   |
| 3410.    | Sal wood in scantling                 | DM3  | 690.00   | 10       | 1199             |   |
| 3420.    | Precast terrazzo tiles 22 mm thick    | M2   | 379.50   | 1        | 1201             | :Precast terrazzo tiles 22 mm thick (light shade)         |
| 3430.    | Precast terrazzo tiles 22 mm thick    | M2   | 362.25   | 1        | 1202             | :Precast terrazzo tiles 22 mm thick(medium shade)         |
| 3440.    | Precast terrazzo tiles 22 mm thick    | M2   | 327.75   | 1        | 1203             | :Precast terrazzo tiles 22 mm thick (dark shade)          |
| 3450.    | G.I. Limpet washer                    | NO   | 24.15    | 100      | 1207             |   |
| 3460.    | Bitumen washer                        | NO   | 34.50    | 100      | 1208             |   |
| 3470.    | G.I. plain washer thick               | NO   | 40.25    | 100      | 1209             |   |
| 3480.    | G.I. plain washer thin                | NO   | 24.15    | 100      | 1210             |   |
| 3490.    | G.I. plain washer for seam bolts      | NO   | 36.80    | 100      | 1211             |   |
| 3500.    | Water proofing materials              | KG   | 51.75    | 1        | 1213             |   |
| 3510.    | Welding by gas plant                  | CM   | 2.30     | 1        | 1214             |   |
| 3520.    | Welding by electric plant             | CM   | 2.88     | 1        | 1215             |   |
| 3530.    | Whiting                               | QTL  | 690.00   | 1        | 1216             |   |
| 3540.    | Wire nails                            | KG   | 66.70    | 1        | 1219             |   |
| 3550.    | Wire mesh (rabbit)                    | M2   | 48.30    | 1        | 1220             |   |
| 3560.    | 20 mm dia holding down bolts          | QTL  | 7,015.00 | 1        | 1221             |   |
| 3570.    | M.S. sheets bolts & nuts, rest pintel | EA   | 138.00   | 1        | 1222             | :Mild steel sheets with bolts and nuts to rest on pintels |
| 3580.    | Hard drawn steel wire                 | QTL  | 5,520.00 | 1        | 1224             |   |
| 3590.    | Mild steel flat strap fitting         | QTL  | 4,738.00 | 1        | 1225             |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 3600.    | Chequered terrazzo tiles light shade    | M2   | 368.00   | 1        | 1227              | :Chequered terrazzo tiles 22 mm thick(light shade)                        |
| 3610.    | Chequered terrazzo tiles medium shade   | M2   | 345.00   | 1        | 1228              | :Chequered terrazzo tiles 22 mm thick(medium shade)                       |
| 3620.    | Chequered terrazzo tiles dark shade     | M2   | 322.00   | 1        | 1229              | :Chequered terrazzo tiles 22 mm thick (dark shade)                        |
| 3630.    | Extra planks of second class teakwood   | DM3  | 172.50   | 10       | 1231              | :Extra for selected planks of second class teakwood                       |
| 3640.    | Aluminium Plain Strip edging 57x12x3 mm | M    | 155.25   | 1        | 1234              |   |
| 3650.    | Diesel oil                              | L    | 103.06   | 1        | 1235              |   |
| 3660.    | Cutting marble/sand stone slae 50mm th. | M    | 11.50    | 1        | 1237              | :Cutting marble or sand stone slab up to 50 mm thick by mechanical device |
| 3670.    | Extra planks of first class teakwood    | DM3  | 172.50   | 10       | 1238              | :Extra for selected planks of first class teakwood                        |
| 3680.    | Commercial LPG in cylinder.             | KG   | 121.90   | 1        | 1241              |   |
| 3690.    | Bleaching powder                        | QTL  | 1,955.00 | 1        | 1301              |   |
| 3700.    | Surface box for stop cock               | EA   | 138.00   | 1        | 1304              |   |
| 3710.    | Surface box for sluice valve            | EA   | 230.00   | 1        | 1305              |   |
| 3720.    | Surface box for water meter             | EA   | 230.00   | 1        | 1307              |   |
| 3730.    | C.I. bracket for wash basin and sinks   | PAA  | 109.25   | 1        | 1309              |   |
| 3740.    | C.P.brass chain 32 mm dia rubber plug   | EA   | 43.70    | 1        | 1314              | :C.P.brass chain with 32 mm dia rubber plug                               |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 3750.    | C.P.brass chain 40 mm dia rubber plug   | EA   | 42.55  | 1        | 1315              | :C.P.brass chain with 32 mm dia rubber plug                     |
| 3760.    | Clamps & M.S. stays bolts & nuts-100mm  | EA   | 77.63  | 1        | 1330              | :Clamps and M.S. stays including bolts and nuts for 100 mm pipe |
| 3770.    | M.S.Holder bat clamp 100 mm S.C.I. pipe | EA   | 31.05  | 1        | 1331              | :M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe |
| 3780.    | M.S.Holder bat clamp 75 mm S.C.I. pipe  | EA   | 28.75  | 1        | 1332              | :M.S.Holder bat clamp of approved design for 75 mm S.C.I. pipe  |
| 3790.    | Clamps and M.S. stays 50 mm pipe        | EA   | 41.40  | 1        | 1334              | :Clamps and M.S. stays including bolts and nuts for 50 mm pipe  |
| 3800.    | Clamps & M.S. stays bolt & nuts 75 mm   | EA   | 44.85  | 1        | 1335              | :Clamps and M.S. stays including bolts and nuts for 75 mm pipe  |
| 3810.    | Clearing eye with chain & lid 100mm dia | EA   | 57.50  | 1        | 1336              | :Clearing eye with chain and lid 100 mm dia                     |
| 3820.    | Clearing eye with chain & lid 150mm dia | EA   | 69.00  | 1        | 1337              | :Clearing eye with chain and lid 150 mm dia                     |
| 3830.    | Brass bib-cock 15 mm dia                | EA   | 264.50 | 1        | 1339              |   |
| 3840.    | Brass bib-cock 20 mm dia                | EA   | 281.75 | 1        | 1340              |   |
| 3850.    | Brass stop-cock 15 mm dia               | EA   | 264.50 | 1        | 1342              |   |
| 3860.    | Brass stop-cock 20 mm dia               | EA   | 281.75 | 1        | 1343              |   |
|          |   |      |        |          |                   |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 3870.    | Mosquito proof coupling design          | EA   | 40.25    | 1        | 1350              | :Mosquito proof coupling of approved design                    |
| 3880.    | C.I. cover and frame 300x300 mm inside  | EA   | 603.75   | 1        | 1352              |  |
| 3890.    | C.I.cover without frame 300x300mm       | EA   | 603.75   | 1        | 1353              | :C.I.cover without frame 300x300mm inside i/c cover of 4.50 kg |
| 3900.    | Rectangular cover 455x610 mm with frame | EA   | 1,771.00 | 1        | 1354              | :Rectangular cover 455x610 mm with frame (low duty)            |
| 3910.    | Rectangular cover 455x610mm out frame   | EA   | 977.50   | 1        | 1355              | :Rectangular cover 455x610mm without frame (low duty)          |
| 3920.    | 500 mm dia cover with frame             | EA   | 5,060.00 | 1        | 1356              | :500 mm dia cover with frame (medium duty)                     |
| 3930.    | 500 mm dia cover without frame          | EA   | 2,645.00 | 1        | 1357              | :500 mm dia cover without frame (medium duty)                  |
| 3940.    | C.I.mouth, brass ferrule 15 mm dia      | EA   | 161.00   | 1        | 1360              |  |
| 3950.    | C.I.mouth, brass ferrule 20 mm dia      | EA   | 184.00   | 1        | 1361              |  |
| 3960.    | C.I.mouth, brass ferrule 25 mm dia      | EA   | 253.00   | 1        | 1362              |  |
| 3970.    | Vitreous china foot rests 250x130x30 mm | PAA  | 115.00   | 1        | 1363              |  |
| 3980.    | C.I. grating 100x100 mm                 | EA   | 46.00    | 1        | 1364              |  |
| 3990.    | C.I. grating 150x150 mm                 | EA   | 63.25    | 1        | 1366              |  |
| 4000.    | C.I. grating 180x180 mm                 | EA   | 74.75    | 1        | 1367              |  |
| 4010.    | S.C.I. gully /nahani grating 100 mm dia | EA   | 32.20    | 1        | 1369              |  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description                            |
|----------|---|------|--------|----------|-------------------|---|
| 4020.    | Rubber insertions 80mm dia pipe joints  | EA   | 20.70  | 1        | 1373              | :Rubber insertions for 80 mm dia pipe joints  |
| 4030.    | Rubber insertions 100mm dia pipe joints | EA   | 23.00  | 1        | 1374              | :Rubber insertions for 100 mm dia pipe joints |
| 4040.    | Rubber insertions 125mm dia pipe joints | EA   | 20.70  | 1        | 1375              | :Rubber insertions for 125 mm dia pipe joints |
| 4050.    | Rubber insertions 150mm dia pipe joints | EA   | 21.85  | 1        | 1376              | :Rubber insertions for 150 mm dia pipe joints |
| 4060.    | Rubber insertions 200mm dia pipe joints | EA   | 27.60  | 1        | 1377              | :Rubber insertions for 200 mm dia pipe joints |
| 4070.    | Rubber insertions 250mm dia pipe joints | EA   | 43.70  | 1        | 1378              | :Rubber insertions for 250 mm dia pipe joints |
| 4080.    | Rubber insertions 300mm dia pipe joints | EA   | 46.00  | 1        | 1379              | :Rubber insertions for 300 mm dia pipe joints |
| 4090.    | Rubber insertions 350mm dia pipe joints | EA   | 58.65  | 1        | 1380              | :Rubber insertions for 350 mm dia pipe joints |
| 4100.    | Rubber insertions 400mm dia pipe joints | EA   | 82.80  | 1        | 1381              | :Rubber insertions for 400 mm dia pipe joints |
| 4110.    | Rubber insertions 450mm dia pipe joints | EA   | 101.20 | 1        | 1382              | :Rubber insertions for 450 mm dia pipe joints |
| 4120.    | Rubber insertions 500mm dia pipe joints | EA   | 120.75 | 1        | 1383              | :Rubber insertions for 500 mm dia pipe joints |
| 4130.    | Rubber insertions 600mm dia pipe joints | EA   | 138.00 | 1        | 1384              | :Rubber insertions for 600 mm dia pipe joints |
| 4140.    | Mirror of superior make glass 60x45     | EA   | 517.50 | 1        | 1392              |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          | cm                                      |      |          |          |                  |  |
| 4150.    | Vitreous china pedestal for wash basin  | EA   | 1,150.00 | 1        | 1396             |  |
| 4160.    | Pig lead                                | KG   | 241.50   | 1        | 1397             |  |
| 4170.    | S & S.C.I.std. spl.up to 300 mm dia     | QTL  | 4,600.00 | 1        | 1464             | :S & S.C.I.standard specials up to 300 mm dia (heavy class)                            |
| 4180.    | S & S.C.I.std. specials over 300mm dia  | QTL  | 4,600.00 | 1        | 1466             | :S & S.C.I.standard specials over 300 mm dia (heavy class)                             |
| 4190.    | Flanged C.I. std. spl up to 300 mm dia  | QTL  | 6,670.00 | 1        | 1468             | :Flanged C.I. standard specials up to 300 mm dia(heavy class)                          |
| 4200.    | Flanged C.I. std. spls over 300 mm dia  | QTL  | 6,325.00 | 1        | 1470             | :Flanged C.I. standard specials over 300 mm dia(heavy class)                           |
| 4210.    | Casing pipe 100 mm dia                  | M    | 402.50   | 1        | 1472             |  |
| 4220.    | F.pipe u. spr. & clp.C.P. b. sgle stall | EA   | 373.75   | 1        | 1532             | :Flush pipe with union spreaders and clamps all in C.P. brass for single stall         |
| 4230.    | Flush pipe s.clps in C.P. b. dbl stall  | EA   | 517.50   | 1        | 1533             | :Flush pipe with union spreaders and clamps all in C.P. brass for double stall         |
| 4240.    | Flush pipe clps C.P.B.range three st.   | EA   | 632.50   | 1        | 1534             | :Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 4250.    | Flush pipe clamps C.P.brass four stall  | EA   | 724.50 | 1        | 1535             | :Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall |
| 4260.    | Flush pipe & spreaders G.I.for single   | EA   | 230.00 | 1        | 1540             | :Flush pipe and spreaders G.I.for single set of one squatting plate urinal            |
| 4270.    | Flush pipe & spreaders G.I. two sqtt.   | EA   | 345.00 | 1        | 1541             | :Flush pipe and spreaders G.I.for range of two squatting plates urinal                |
| 4280.    | Flush pipe & spreaders G.I. three sqtt. | EA   | 379.50 | 1        | 1542             | :Flush pipe and spreaders G.I.for range of three squatting plates urinal each         |
| 4290.    | Flush pipe&spreader G.I.for four sqtt.  | EA   | 540.50 | 1        | 1543             | :Flush pipe and spreaders G.I.for range of four squatting plates urinal               |
| 4300.    | G.I. pipes 15 mm dia                    | M    | 123.05 | 1        | 1545             |   |
| 4310.    | G.I. pipes 20 mm dia                    | M    | 159.85 | 1        | 1546             |   |
| 4320.    | G.I. pipes 25 mm dia                    | M    | 226.55 | 1        | 1547             |   |
| 4330.    | G.I. pipes 32 mm dia                    | M    | 284.05 | 1        | 1548             |   |
| 4340.    | G.I. pipes 40 mm dia                    | M    | 333.50 | 1        | 1549             |   |
| 4350.    | G.I. pipes 50 mm dia                    | M    | 448.50 | 1        | 1550             |   |
| 4360.    | G.I. pipes 65 mm dia                    | M    | 517.50 | 1        | 1551             |   |
| 4370.    | G.I. pipes 80 mm dia                    | M    | 632.50 | 1        | 1552             |   |
| 4380.    | G.I. back (jam) nuts25 mm dia           | EA   | 23.00  | 1        | 1555             |   |
| 4390.    | G.I. back (jam) nuts65 mm dia           | EA   | 32.20  | 1        | 1559             |   |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 4400.    | G.I. tees (equal) 25 mm                 | EA   | 80.50    | 1        | 1608             |  |
| 4410.    | G.I. tees (equal) 65 mm                 | EA   | 552.00   | 1        | 1612             |  |
| 4420.    | G.I. inlet connection                   | EA   | 80.50    | 1        | 1614             |  |
| 4430.    | S.C.I. soil, waste and vent :75mm dia   | EA   | 1,265.00 | 1        | 1616             | :S.C.I. soil, waste and vent single socketed pipe1.80 metres long:75mm dia   |
| 4440.    | S.C.I. soil, waste & vent : 100mm dia   | EA   | 1,380.00 | 1        | 1617             | :S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 100mm dia |
| 4450.    | S.C.I. soil, waste and vent : each      | EA   | 2,070.00 | 1        | 1618             | :S.C.I. soil, waste and vent single socketed pipe1.80 metres long: each      |
| 4460.    | S.C.I. plain bend75mm dia               | EA   | 276.00   | 1        | 1620             |  |
| 4470.    | S.C.I. plain bend 100mm dia             | EA   | 345.00   | 1        | 1621             |  |
| 4480.    | S.C.I. plain bend 150mm dia             | EA   | 575.00   | 1        | 1622             |  |
| 4490.    | S.C.I. bend with access door 75mm dia   | EA   | 356.50   | 1        | 1624             |  |
| 4500.    | S.C.I. bend with access door 100mm dia  | EA   | 425.50   | 1        | 1625             |  |
| 4510.    | S.C.I. plain junctions75x75x75 mm dia   | EA   | 379.50   | 1        | 1627             | :S.C.I. plain single equal junctions75x75x75 mm dia                          |
| 4520.    | S.C.I. plain junctions100x100x100 mmdia | EA   | 471.50   | 1        | 1628             | :S.C.I. plain single equal junctions100x100x100 mm dia                       |
| 4530.    | S.C.I. junctions75x75x75 mm dia         | EA   | 460.00   | 1        | 1630             | :S.C.I. single equal junctions75x75x75 mm dia with access door.              |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 4540.    | S.C.I. junctions 100x100x100 mm dia      | EA   | 529.00 | 1        | 1631             | :S.C.I. single equal junctions 100x100x100 mm dia with access door.     |
| 4550.    | S.C.I. plain double equal junctions      | EA   | 477.25 | 1        | 1633             | :S.C.I. plain double equal junctions 75x75x75x75 mm dia                 |
| 4560.    | S.C.I. junctions100x100x100x100 mm dia   | EA   | 724.50 | 1        | 1634             | :S.C.I. plain double equal junctions100x100x100x100 mm dia              |
| 4570.    | S.C.I. D.E. junctions75x75x75x75 mm dia  | EA   | 632.50 | 1        | 1636             | :S.C.I. double equal junctions75x75x75x75 mm dia with access door.      |
| 4580.    | S.C.I. D.E. junction 100x100x100x100 mm  | EA   | 862.50 | 1        | 1637             | :S.C.I. double equal junctions 100x100x100x100 mm dia with access door. |
| 4590.    | Slotted cowl (terminal guard )75 mm dia  | EA   | 247.25 | 1        | 1639             | :   |
| 4600.    | Slotted cowl (terminal guard ) 100 mm di | EA   | 322.00 | 1        | 1640             | :Slotted cowl (terminal guard ) 100 mm dia                              |
| 4610.    | G.I. Union 15 mm nominal bore            | EA   | 46.00  | 1        | 1641             |   |
| 4620.    | G.I. Union 20 mm nominal bore            | EA   | 69.00  | 1        | 1642             |   |
| 4630.    | G.I. Union 25 mm nominal bore            | EA   | 143.75 | 1        | 1643             |   |
| 4640.    | G.I. Union 32 mm nominal bore            | EA   | 184.00 | 1        | 1644             |   |
| 4650.    | G.I. Union 40 mm nominal bore            | EA   | 299.00 | 1        | 1645             |   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 4660.    | G.I. Union 50 mm nominal bore           | EA   | 379.50 | 1        | 1646             |  |
| 4670.    | G.I. Union 65 mm nominal bore           | EA   | 632.50 | 1        | 1647             |  |
| 4680.    | G.I. Union 80mm nominal bore            | EA   | 690.00 | 1        | 1648             |  |
| 4690.    | Polyethylene water storage tank with C. | L    | 7.48   | 1        | 1649             | :Polyethylene water storage tank with cover and suitable locking arrangement         |
| 4700.    | Sand cast iron,100x100x75 mm dia        | EA   | 621.00 | 1        | 1653             | :Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia               |
| 4710.    | Sand cast iron: 100x100x75 mm dia       | EA   | 678.50 | 1        | 1656             | :Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door.    |
| 4720.    | Sand cast iron : 100x100x75x75 mm dia   | EA   | 736.00 | 1        | 1659             | :Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia            |
| 4730.    | Sand cast iron 100x100x75x75 mm dia     | EA   | 874.00 | 1        | 1662             | :Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door. |
| 4740.    | Sand cast iron heel rest bend75mm dia   | EA   | 368.00 | 1        | 1666             |  |
| 4750.    | Sand cast iron heel rest bend 100mm dia | EA   | 437.00 | 1        | 1667             |  |
| 4760.    | S.C.I. invert branch75x75x75 mm dia     | EA   | 437.00 | 1        | 1669             | :S.C.I. single equal invert branch of required degree75x75x75 mm dia                 |
| 4770.    | S.C.I. single equal invert branch of    | EA   | 529.00 | 1        | 1670             | :S.C.I. single equal invert branch of required degree                                |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          | req                                      |      |        |          |                  | 100x100x100 mm dia   |
| 4780.    | S.C.I. double equal invert branch of     | EA   | 506.00 | 1        | 1672             | :S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia     |
| 4790.    | S.C.I. double equal invert branch of req | EA   | 678.50 | 1        | 1673             | :S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia |
| 4800.    | S.C.I. single unequal invert branch      | EA   | 615.25 | 1        | 1674             | :S.C.I. single unequal invert branch of required degree 100x100x75 mm dia    |
| 4810.    | S.C.I. double unequal invert branch      | EA   | 782.00 | 1        | 1677             | :S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia |
| 4820.    | S.C.I. door pieces 75 mm dia             | EA   | 356.50 | 1        | 1682             |  |
| 4830.    | S.C.I. door pieces 100 mm dia            | EA   | 575.00 | 1        | 1683             |  |
| 4840.    | S.C.I. collar 75 mm dia                  | EA   | 218.50 | 1        | 1685             |  |
| 4850.    | S.C.I. collar 100 mm dia                 | EA   | 339.25 | 1        | 1686             |  |
| 4860.    | Unplasticised P.V.C. connection pipe wit | EA   | 36.80  | 1        | 1687             | :Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore |
| 4870.    | Unplasticised P.V.C. connection pipe wit | EA   | 43.70  | 1        | 1688             | :Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore |
| 4880.    | Unplasticised P.V.C. connection pipe wit | EA   | 43.70  | 1        | 1689             | :Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 4890.    | Unplasticised P.V.C. connection pipe wit | EA   | 60.95    | 1        | 1690             | :Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore |
| 4900.    | S.C.I. hand pump                         | EA   | 833.75   | 1        | 1693             |  |
| 4910.    | R.C.C. pipes NP2 class 100 mm dia        | M    | 253.00   | 1        | 1700             |  |
| 4920.    | R.C.C. pipes NP2 class 150 mm dia        | M    | 264.50   | 1        | 1701             |  |
| 4930.    | R.C.C. pipes NP2 class 250 mm dia        | M    | 431.25   | 1        | 1702             |  |
| 4940.    | R.C.C. pipes NP2 class 300 mm dia        | M    | 534.75   | 1        | 1703             |  |
| 4950.    | R.C.C. pipes NP2 class 450 mm dia        | M    | 931.50   | 1        | 1704             |  |
| 4960.    | R.C.C. pipes NP2 class 500 mm dia        | M    | 1,144.25 | 1        | 1705             |  |
| 4970.    | R.C.C. pipes NP2 class 600 mm dia        | M    | 1,351.25 | 1        | 1706             |  |
| 4980.    | R.C.C. pipes NP2 class 700 mm dia        | M    | 1,845.75 | 1        | 1707             |  |
| 4990.    | R.C.C. pipes NP2 class 800 mm dia        | M    | 2,242.50 | 1        | 1709             |  |
| 5000.    | R.C.C. pipes NP2 class 900 mm dia        | M    | 3,137.20 | 1        | 1710             |  |
| 5010.    | R.C.C. pipes NP2 class 1000 mm dia       | M    | 3,631.70 | 1        | 1711             |  |
| 5020.    | R.C.C. pipes NP2 class 1100 mm dia       | M    | 3,999.70 | 1        | 1712             |  |
| 5030.    | R.C.C. pipes NP2 class 1200 mm dia       | M    | 4,398.75 | 1        | 1713             |  |
| 5040.    | R.C.C. collarsNP2 class 100 mm dia       | EA   | 43.70    | 1        | 1714             |  |
| 5050.    | R.C.C. collarsNP2 class 150 mm           | EA   | 46.00    | 1        | 1715             |  |

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| Item No. | Description                         | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description                               |
|----------|-------------------------------------|------|--------|----------|------------------|--|
|          | dia                                 |      |        |          |                  |  |
| 5060.    | R.C.C. collarsNP2 class 250 mm dia  | EA   | 69.00  | 1        | 1716             |  |
| 5070.    | R.C.C. collarsNP2 class 300 mm dia  | EA   | 69.00  | 1        | 1717             |  |
| 5080.    | R.C.C. collarsNP2 class 450 mm dia  | EA   | 138.00 | 1        | 1718             |  |
| 5090.    | R.C.C. collarsNP2 class 500 mm dia  | EA   | 149.50 | 1        | 1719             |  |
| 5100.    | R.C.C. collarsNP2 class 600 mm dia  | EA   | 178.25 | 1        | 1720             |  |
| 5110.    | R.C.C. collarsNP2 class 700 mm dia  | EA   | 201.25 | 1        | 1721             |  |
| 5120.    | R.C.C. collarsNP2 class 800 mm dia  | EA   | 270.25 | 1        | 1723             |  |
| 5130.    | R.C.C. collarsNP2 class 900 mm dia  | EA   | 299.00 | 1        | 1724             |  |
| 5140.    | R.C.C. collarsNP2 class 1000 mm dia | EA   | 356.50 | 1        | 1725             |  |
| 5150.    | R.C.C. collarsNP2 class 1100 mm dia | EA   | 373.75 | 1        | 1726             |  |
| 5160.    | R.C.C. collarsNP2 class 1200 mm dia | EA   | 454.25 | 1        | 1727             |  |
| 5170.    | Stoneware pipes grade A 100 mm dia  | EA   | 88.55  | 1        | 1854             | :Stoneware pipes grade A (60 cm long) 100 mm dia |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 5180.    | Stoneware pipes grade A 150 mm dia      | EA   | 158.70   | 1        | 1855              | :Stoneware pipes grade A (60 cm long) 150 mm dia                         |
| 5190.    | Stoneware pipes grade A 200 mm dia      | EA   | 253.00   | 1        | 1856              | :Stoneware pipes grade A (60 cm long) 200 mm dia                         |
| 5200.    | Stoneware pipes grade A 230 mm dia      | EA   | 379.50   | 1        | 1857              | :Stoneware pipes grade A (60 cm long) 230 mm dia                         |
| 5210.    | Stoneware pipes grade A 250 mm dia      | EA   | 442.75   | 1        | 1858              | :Stoneware pipes grade A (60 cm long) 250 mm dia                         |
| 5220.    | Stoneware pipes grade A 300 mm dia      | EA   | 664.70   | 1        | 1859              | :Stoneware pipes grade A (60 cm long) 300 mm dia                         |
| 5230.    | Fire clay kitchen sink: 600x450x250 mm  | EA   | 1,644.50 | 1        | 1863              | :  |
| 5240.    | White vitreous china sink450x300x150 mm | EA   | 1,897.50 | 1        | 1871              | :White vitreous china laboratory sink450x300x150 mm                      |
| 5250.    | White vitreous china sink600x450x200 mm | EA   | 3,162.50 | 1        | 1872              | :White vitreous china laboratory sink600x450x200 mm                      |
| 5260.    | White plastic seat lid C.P.brass hinge  | EA   | 518.65   | 1        | 1875              | :White plastic seat (solid)with lid C.P.brass hinges and rubber buffers  |
| 5270.    | Black plastic seat lid C.P.brass hinges | EA   | 411.70   | 1        | 1876              | :Black plastic seat (solid) with lid C.P.brass hinges and rubber buffers |
| 5280.    | Shower rose C.P.brass inlet 100mm dia   | EA   | 139.15   | 1        | 1878              | :Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia                  |
| 5290.    | Shower rose C.P.brass inlet 150 mm dia  | EA   | 158.70   | 1        | 1879              | :Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia                  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 5300.    | Spun yarn                               | KG   | 70.15    | 1        | 1881              |   |
| 5310.    | Strainer brass 40 mm dia 1.5 metre long | EA   | 791.20   | 1        | 1882              |   |
| 5320.    | 15 mm C.P.brass tap                     | EA   | 341.55   | 1        | 1885              |   |
| 5330.    | C.P.brass toilet paper holder std. size | EA   | 354.20   | 1        | 1889              | :C.P.brass toilet paper holder of standard size   |
| 5340.    | C.I. trap for standard urinal:50mm dia  | EA   | 240.35   | 1        | 1891              | :C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 50 mm dia |
| 5350.    | C.I. trap for standard urinal: 80mm dia | EA   | 285.20   | 1        | 1893              | :C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 80 mm dia |
| 5360.    | C.P.brass trap40 mm dia                 | EA   | 399.05   | 1        | 1895              |   |
| 5370.    | 100 mm S.C.I. trap with vent heel       | EA   | 411.70   | 1        | 1896              |   |
| 5380.    | 100 mm S.C.I. trap 100 mm outlet        | EA   | 379.50   | 1        | 1897              | :100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet   |
| 5390.    | 100 mm S.C.I. trap, 75 mm outlet        | EA   | 278.30   | 1        | 1898              | :100 mm S.C.I. trap with 100 mm inlet and75 mm outlet   |
| 5400.    | S.W. gully trap P type 100x100 mm       | EA   | 146.05   | 1        | 1900              |   |
| 5410.    | S.W. gully trap P type 150x100 mm       | EA   | 196.65   | 1        | 1902              |   |
| 5420.    | S.W. gully trap P type 180x150 mm       | EA   | 290.95   | 1        | 1904              |   |
| 5430.    | Vitreous china lipped front urinal      | EA   | 594.55   | 1        | 1913              |   |
| 5440.    | Vitreous china squatting plate urinal   | EA   | 1,331.70 | 1        | 1915              |   |
| 5450.    | H.P./L.P. ball valve : 15 mm dia        | EA   | 272.55   | 1        | 1922              | :H.P. or L.P. ball valve with polythene floats: 15 mm dia   |



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|----------|--|------|----------|----------|------------------|---|
| 5460.    | H.P. / L.P. ball valve : 20 mm dia         | EA   | 303.60   | 1        | 1923             | :H.P. or L.P. ball valve with polythene floats: 20 mm dia     |
| 5470.    | H.P. / L.P. ball valve : 25 mm dia         | EA   | 290.95   | 1        | 1924             | :H.P. or L.P. ball valve with polythene floats: 25 mm dia     |
| 5480.    | Brass full way valve C.I wheel<br>25mm dia | EA   | 474.95   | 1        | 1927             | :Brass full way valve with C.I. wheel (screwed end) 25 mm dia |
| 5490.    | Brass full way valve C.I wheel<br>32mm dia | EA   | 525.55   | 1        | 1928             | :Brass full way valve with C.I. wheel (screwed end) 32 mm dia |
| 5500.    | Brass full way valve C.I wheel<br>40mm dia | EA   | 632.50   | 1        | 1929             | :Brass full way valve with C.I. wheel (screwed end) 40 mm dia |
| 5510.    | Brass full way valve C.I wheel<br>50mm dia | EA   | 791.20   | 1        | 1930             | :Brass full way valve with C.I. wheel (screwed end) 50 mm dia |
| 5520.    | Brass full way valve C.I.wheel<br>65mm dia | EA   | 1,366.20 | 1        | 1931             | :Brass full way valve with C.I. wheel (screwed end) 65 mm dia |
| 5530.    | Brass full way valve C.I wheel<br>80mm dia | EA   | 2,056.20 | 1        | 1932             | :Brass full way valve with C.I. wheel (screwed end) 80 mm dia |
| 5540.    | Gunmetal non-return valve 25mm<br>dia      | EA   | 442.75   | 1        | 1933             | :Gunmetal non-return valve-horizontal (screwed end) 25 mm dia |
| 5550.    | Gunmetal non-return valve 32 mm            | EA   | 601.45   | 1        | 1934             | :Gunmetal non-return valve-horizontal (screwed end) 32        |

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| Item No. | Description                            | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-----------|----------|------------------|---|
|          | dia                                    |      |           |          |                  | mm dia  |
| 5560.    | Gunmetal non-return valve 40 mm dia    | EA   | 727.95    | 1        | 1935             | :Gunmetal non-return valve-horizontal (screwed end) 40 mm dia |
| 5570.    | Gunmetal non-return valve 50 mm dia    | EA   | 1,062.60  | 1        | 1936             | :Gunmetal non-return valve-horizontal (screwed end) 50 mm dia |
| 5580.    | Gunmetal non-return valve 65 mm dia    | EA   | 1,929.70  | 1        | 1937             | :Gunmetal non-return valve-horizontal (screwed end) 65 mm dia |
| 5590.    | Gunmetal non-return valve 80 mm dia    | EA   | 2,909.50  | 1        | 1938             | :Gunmetal non-return valve-horizontal (screwed end) 80 mm dia |
| 5600.    | C.I.sluiice valve class I : 100 mm dia | EA   | 3,099.25  | 1        | 1940             | :C.I.sluiice valve (with caps) class I : 100 mm dia           |
| 5610.    | C.I.sluiice valve class I : 125 mm dia | EA   | 3,301.65  | 1        | 1941             | :C.I.sluiice valve (with caps) class I : 125 mm dia           |
| 5620.    | C.I.sluiice valve class I : 150 mm dia | EA   | 4,617.25  | 1        | 1942             | :C.I.sluiice valve (with caps) class I : 150 mm dia           |
| 5630.    | C.I.sluiice valve class I : 200 mm dia | EA   | 9,614.00  | 1        | 1943             | :C.I.sluiice valve (with caps) class I : 200 mm dia           |
| 5640.    | C.I.sluiice valve class I : 250 mm dia | EA   | 13,889.70 | 1        | 1944             | :C.I.sluiice valve (with caps) class I : 250 mm dia           |
| 5650.    | C.I.sluiice valve class I : 300 mm dia | EA   | 19,607.50 | 1        | 1945             | :C.I.sluiice valve (with caps) class I : 300 mm dia           |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                               |
|----------|--|------|----------|----------|-------------------|--|
| 5660.    | Vitreous china flat basin 630x450 mm   | EA   | 917.70   | 1        | 1947              | :Vitreous china flat back wash basin 630x450 mm  |
| 5670.    | Vitreous china angle basin 600x480 mm  | EA   | 917.70   | 1        | 1949              | :Vitreous china angle back wash basin 600x480 mm |
| 5680.    | Vitreous china angle basin 400x400 mm  | EA   | 538.20   | 1        | 1950              | :Vitreous china angle back wash basin 400x400 mm |
| 5690.    | C.P. brass waste 32 mm                 | EA   | 108.10   | 1        | 1951              | :C.P. brass waste 32 mm                          |
| 5700.    | C.P. brass waste 40 mm                 | EA   | 126.50   | 1        | 1952              | :C.P. brass waste 40 mm                          |
| 5710.    | Vitreous china Indian type pan, 580 mm | EA   | 575.00   | 1        | 1953              | :Vitreous china Indian type w.c. pan size 580 mm |
| 5720.    | Vitreous china orrisa type pan 580 mm  | EA   | 1,552.50 | 1        | 1954              | :Vitreous china orrisa type w.c. pan size 580 mm |
| 5730.    | Vitreous china pedestal water closet   | EA   | 1,242.00 | 1        | 1955              | :Vitreous china pedestal type water closet       |
| 5740.    | Bolts and nuts 16 mm dia 60 mm long    | EA   | 13.80    | 1        | 1956              | :Bolts and nuts 16 mm dia 60 mm long             |
| 5750.    | Bolts and nuts 16 mm dia 65 mm long    | EA   | 16.10    | 1        | 1957              | :Bolts and nuts 16 mm dia 65 mm long             |
| 5760.    | Bolts and nuts 20 mm dia 65 mm long    | EA   | 17.25    | 1        | 1958              | :Bolts and nuts 20 mm dia 65 mm long             |
| 5770.    | Bolts and nuts 20 mm dia 70 mm long    | EA   | 20.70    | 1        | 1959              | :Bolts and nuts 20 mm dia 70 mm long             |
| 5780.    | Bolts and nuts 20 mm dia 75 mm         | EA   | 20.70    | 1        | 1960              | :Bolts and nuts 20 mm dia 75 mm long             |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
|          | long                                    |      |          |          |                  |  |
| 5790.    | Bolts and nuts 20 mm dia 80 mm long     | EA   | 20.70    | 1        | 1961             | :Bolts and nuts 20 mm dia 80 mm long   |
| 5800.    | Bolts and nuts 24 mm dia 85 mm long     | EA   | 34.50    | 1        | 1962             | :Bolts and nuts 24 mm dia 85 mm long   |
| 5810.    | Bolts and nuts 24 mm dia 90 mm long     | EA   | 37.95    | 1        | 1963             | :Bolts and nuts 24 mm dia 90 mm long   |
| 5820.    | Bolts and nuts 27 mm dia 100 mm long    | EA   | 46.00    | 1        | 1964             | :Bolts and nuts 27 mm dia 100 mm long  |
| 5830.    | White vitreous china dual closet        | EA   | 3,047.50 | 1        | 1965             | :White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting pan or European type water closet as per manufacturer's specifications |
| 5840.    | Vitreous china foot rests 250x125x25 mm | PAA  | 124.20   | 1        | 1970             | :Vitreous china foot rests 250x125x25 mm   |
| 5850.    | Fly ash                                 | M3   | 13.80    | 1        | 1980             | :Fly ash   |
| 5860.    | F.P.S. bricks tile class degn. 100      | NO   | 5,462.50 | 1        | 1984             | :F.P.S. bricks tile class designation 100  |
| 5870.    | Modular bricks class designation75      | NO   | 6,267.50 | 1        | 1986             | :Modular bricks class designation75  |
| 5880.    | Strips-Aluminium fluted 150mm wide      | M    | 328.90   | 1        | 2391             | :Strips-Aluminium fluted 3.15mm thick and 150mm wide   |
| 5890.    | Strips Aluminium fluted 200mm wide mts  | M    | 438.15   | 1        | 2392             | :Strips Aluminium fluted 3.15mm thick and 200mm wide metre   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 5900.    | Float glass sheet t= 4mm, not 10kg/sqm  | M2   | 369.15 | 1        | 2406              | :Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm).  |
| 5910.    | Float glass sheet t= 5.5 mm.            | M2   | 608.35 | 1        | 2407              | :Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm).                                    |
| 5920.    | Ply wood 5 ply, 6 mm thick              | M2   | 369.15 | 1        | 2412              | :Ply wood 5 ply with commercial ply on both faces 6 mm thick   |
| 5930.    | Hollock ballies 125 mm diameter         | M    | 42.55  | 1        | 2447              | :Hollock ballies 125 mm diameter   |
| 5940.    | Oxidised mild steel pull bolt lock      | EA   | 73.60  | 1        | 2449              | :Oxidised mild steel pull bolt lock (locking bolt) of size 85 mm x 42 mm with screws, bolts, nuts and washers complete |
| 5950.    | Brass cupboard lock 6 levers 40 mm size | EA   | 66.70  | 1        | 2451              | :Brass cupboard lock 6 levers (best make of approved quality) 40 mm size   |
| 5960.    | Brass cupboard lock 6 levers 50mm size  | EA   | 103.50 | 1        | 2452              | :Brass cupboard lock 6 levers (best make of approved quality) 50 mm size   |
| 5970.    | Brass cupboard lock 6 levers 65 mm size | EA   | 108.10 | 1        | 2453              | :Brass cupboard lock 6 levers (best make of approved quality) 65 mm size   |
| 5980.    | Brass cupboard lock 6 levers 75mm       | EA   | 127.65 | 1        | 2454              | :Brass cupboard lock 6 levers (best make of approved quality) 75 mm each size  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 5990.    | Brass hanging type door stopper 150 mm  | EA   | 92.00  | 1        | 2455              | :Brass hanging type door stopper 150 mm  |
| 6000.    | Hydraulic door closer bottle M.S. body  | EA   | 803.85 | 1        | 2456              | :Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete                            |
| 6010.    | Anodised Aluminium hanging door stopper | EA   | 24.15  | 1        | 2459              | :Anodised Aluminium hanging type door stopper  |
| 6020.    | Anodised Aluminium pull bolt lock       | EA   | 56.35  | 1        | 2464              | :Anodised Aluminium pull bolt lock (locking bolt) of size 85 mmx42 mm with screws, bolts ,nuts and washers complete    |
| 6030.    | Anodised Aluminium Casement stay 250 mm | EA   | 39.10  | 1        | 2465              | :Anodised Aluminium Casement stay 250 mm   |
| 6040.    | Hollock wood in scantling               | DM3  | 420.90 | 10       | 2466              | :Hollock wood in scantling   |
| 6050.    | Chromium plated Brass pull bolt lock    | EA   | 200.10 | 1        | 2467              | :Chromium plated Brass pull bolt lock (locking bolt) of size 85 mmx42 mm with screws, bolts, nuts and washers complete |
| 6060.    | Nickeled Chromium Brass 40 mm size      | EA   | 73.60  | 1        | 2468              | :Nickeled Chromium Brass cupboard lock 40 mm size  |
| 6070.    | Nickeled Chromium Brass 50 mm size      | EA   | 85.10  | 1        | 2469              | :Nickeled Chromium Brass cupboard lock 50 mm size  |
| 6080.    | Nickeled Chromium Brass 65 mm size      | EA   | 116.15 | 1        | 2470              | :Nickeled Chromium Brass cupboard lock 65 mm size  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 6090.    | Nickeled Chromium Brass 75 mm size      | EA   | 146.05   | 1        | 2471             | :Nickeled Chromium Brass cupboard lock 75 mm size                                       |
| 6100.    | Ply wood 5 ply with teak ply 9 mm thick | M2   | 1,061.45 | 1        | 2480             | :Ply wood 5 ply with teak ply on both faces 9 mm thick                                  |
| 6110.    | Ply wood 5 ply teak ply 9 mm thick      | M2   | 1,044.20 | 1        | 2481             | :Ply wood 5 ply with teak ply on one face and commercial ply on another face 9 mm thick |
| 6120.    | Ply wood 7 ply 9 mm thick               | M2   | 1,183.35 | 1        | 2483             | :Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick |
| 6130.    | Extra planks second class deodar wood   | DM3  | 132.25   | 10       | 2500             | :Extra for selected planks of second class deodar wood                                  |
| 6140.    | Kiln seasoning of timber                | M3   | 913.10   | 1        | 2504             | :Kiln seasoning of timber   |
| 6150.    | Hollock wood in planks                  | DM3  | 470.35   | 10       | 2505             | :Hollock wood in planks   |
| 6160.    | F.P.S. bricks class designation75       | NO   |          | 1        | 2602             | :F.P.S. bricks class designation75  |
| 6170.    | F.P.S. bricks class designation50       | NO   |          | 1        | 2603             | :F.P.S. bricks class designation50  |
| 6180.    | Aluminium Strip 40mm wide & 2mm thick   | KG   | 279.45   | 1        | 2704             | :Aluminium Strip 40 mm wide and 2 mm thick  |
| 6190.    | White marble makrana for crazy flooring | QTL  | 188.60   | 1        | 2710             | :White marble makrana second quality plain veined stone pieces for crazy flooring       |
| 6200.    | 8 mm thick granite stone tiles          | M2   | 807.30   | 1        | 2750             | :8 mm thick granite stone tiles (mirror polished of all                                 |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-----------|----------|-------------------|---|
|          |   |      |           |          |                   | shades)   |
| 6210.    | 8 mm thick marble tiles Raj Nagar       | M2   | 470.35    | 1        | 2751              | :8 mm thick marble tiles (polished) Raj Nagar             |
| 6220.    | Stone Aggregate : 100 mm nominal size   | M3   |           | 1        | 2901              | :Stone Aggregate (Single size) : 100 mm nominal size      |
| 6230.    | Stone Aggregate : 80 mm nominal size    | M3   |           | 1        | 2902              | :Stone Aggregate (Single size) : 80 mm nominal size       |
| 6240.    | Stone chippings/screenings 4.75mm       | M3   |           | 1        | 2903              | :Stone chippings/ screenings 4.75 mm nominal size         |
| 6250.    | Stone chippings/ screenings 150micron   | M3   |           | 1        | 2904              | :Stone chippings/ screenings 150 micron nominal size      |
| 6260.    | Over burnt Brick Aggregate: 120 -40mm   | M3   |           | 1        | 2908              | :Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size |
| 6270.    | Over burnt Brick Aggregate: 90- 40 mm   | M3   |           | 1        | 2909              | :Over burnt (Jhama) Brick Aggregate: 90 mm to 40 mm size  |
| 6280.    | Stone chippings/screenings 12.5/ 13.2mm | M3   |           | 1        | 2910              | :Stone chippings/ screenings 12.5/ 13.2 mm nominal size   |
| 6290.    | Stone chippings/screenings 10/11.2 mm   | M3   |           | 1        | 2911              | :Stone chippings/ screenings 10/ 11.2 mm nominal size     |
| 6300.    | Solvent                                 | KG   | 36.80     | 1        | 2914              | :Solvent  |
| 6310.    | Paving Asphalt 80/100 penetration       | TO   | 38,559.50 | 1        | 2916              | :Paving Asphalt 80/100 penetration                        |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 6320.    | Polyvinyl chloride sheet 400 micron th. | M2   | 54.05    | 1        | 3002             | :Polyvinyl chloride sheet 400 micron thick   |
| 6330.    | Stone ware spouts 100 mm dia 60 cm long | EA   | 52.90    | 1        | 3004             | :Stone ware spouts 100 mm dia 60 cm long   |
| 6340.    | Galvanised steel corrugated sheets      | QTL  | 7,020.75 | 1        | 3050             | :Galvanised steel corrugated sheets  |
| 6350.    | Gunmetal non-return valve- 25mm dia     | EA   | 469.20   | 1        | 3080             | :Gunmetal non-return valve-horizontal (screwed end) 25 mm dia  |
| 6360.    | Gunmetal non-return valve 32mm dia      | EA   | 648.60   | 1        | 3084             | :Gunmetal non-return valve-horizontal (screwed end) 32 mm dia  |
| 6370.    | Gunmetal non-return valve 40 mm dia     | EA   | 875.15   | 1        | 3088             | :Gunmetal non-return valve-horizontal (screwed end) 40 mm dia  |
| 6380.    | Gunmetal non-return valve 50 mm dia     | EA   | 1,122.40 | 1        | 3092             | :Gunmetal non-return valve-horizontal (screwed end) 50 mm dia  |
| 6390.    | Gunmetal non-return valve 65 mm dia     | EA   | 1,803.20 | 1        | 3096             | :Gunmetal non-return valve-horizontal (screwed end) 65 mm dia  |
| 6400.    | Vitreous china Surgeon basin 660x460mm  | EA   | 1,302.95 | 1        | 3213             | :Vitreous china Surgeon type wash basin of size 660x460 mm   |
| 6410.    | 600x120mm glass shelf alum. angle frame | EA   | 351.90   | 1        | 3228             | :600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-----------|----------|------------------|---|
| 6420.    | Vitreous china flat basin 550x400 mm    | EA   | 637.10    | 1        | 3229             | :Vitreous china flat back wash basin 550x400 mm                             |
| 6430.    | Gunmetal non-return valve 80 mm dia     | EA   |           | 1        | 3300             | :Gunmetal non-return valve-horizontal (screwed end) 80 mm dia               |
| 6440.    | C.I.sluiice valve class II : 100 mm dia | EA   | 3,192.40  | 1        | 3311             | :C.I.sluiice valve (with caps) class II : 100 mm dia                        |
| 6450.    | C.I.sluiice valve class II : 125 mm dia | EA   | 3,869.75  | 1        | 3314             | :C.I.sluiice valve (with caps) class II : 125 mm dia                        |
| 6460.    | C.I.sluiice valve class II : 150 mm dia | EA   | 4,821.95  | 1        | 3317             | :C.I.sluiice valve (with caps) class II : 150 mm dia                        |
| 6470.    | C.I.sluiice valve class II : 200 mm dia | EA   | 10,322.40 | 1        | 3320             | :C.I.sluiice valve (with caps) class II : 200 mm dia                        |
| 6480.    | C.I.sluiice valve class II : 250 mm dia | EA   | 17,710.00 | 1        | 3321             | :C.I.sluiice valve (with caps) class II : 250 mm dia                        |
| 6490.    | C.I.sluiice valve class II : 300 mm dia | EA   | 21,822.40 | 1        | 3326             | :C.I.sluiice valve (with caps) class II : 300 mm dia                        |
| 6500.    | CP Brass Union 40 mm dia                | EA   | 259.90    | 1        | 3617             | :CP Brass Union 40 mm dia   |
| 6510.    | C.C.I. waste & vent pipe:100mm dia      | EA   | 1,373.10  | 1        | 3620             | :C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long:100mm dia |
| 6520.    | C.C.I. waste & vent pipe 75mm dia       | EA   | 1,408.75  | 1        | 3621             | :C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long:75mm dia  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 6530.    | S.C.I. S&S bends, access door100mm dia  | EA   | 511.75 | 1        | 3624             | :S.C.I. S&S bends with access door100mm dia                        |
| 6540.    | S.C.I. S&S bends, access door75mm dia   | EA   | 373.75 | 1        | 3625             | :S.C.I. S&S bends with access door75mm dia                         |
| 6550.    | S.C.I. S&S bend100mm dia                | EA   | 425.50 | 1        | 3628             | :S.C.I. S&S bend100mm dia  |
| 6560.    | S.C.I. S&S bend75mm dia                 | EA   | 287.50 | 1        | 3629             | :S.C.I. S&S bend75mm dia   |
| 6570.    | S.C.I. S&S heel rest sanitary 100mm dia | EA   | 408.25 | 1        | 3634             | :S.C.I. S&S heel rest sanitary bend 100mm dia                      |
| 6580.    | S.C.I. S&S heel rest sanitary 75mm dia  | EA   | 379.50 | 1        | 3635             | :S.C.I. S&S heel rest sanitary bend 75mm dia                       |
| 6590.    | S.C.I. S&S junctions100x100x100 mm      | EA   | 621.00 | 1        | 3640             | :S.C.I. S&S single equal junctions100x100x100 mm                   |
| 6600.    | S.C.I. S&S junctions75x75x75 mm         | EA   | 425.50 | 1        | 3641             | :S.C.I. S&S single equal junctions75x75x75 mm                      |
| 6610.    | S.C.I. S&S junctions door 100x100x100mm | EA   | 690.00 | 1        | 3644             | :S.C.I. S&S single equal junctions with access door 100x100x100 mm |
| 6620.    | S.C.I. S&S junctions door 75x75x75mm    | EA   | 488.75 | 1        | 3645             | :S.C.I. S&S single equal junctions with access door 75x75x75 mm    |
| 6630.    | S.C.I. S&S junctions100x100x100x100 mm  | EA   | 833.75 | 1        | 3650             | :S.C.I. S&S double equal junctions100x100x100x100 mm               |
| 6640.    | S.C.I. S&S junctions75x75x75x75 mm      | EA   | 621.00 | 1        | 3651             | :S.C.I. S&S double equal junctions75x75x75x75 mm                   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 6650.    | S.C.I. S&S junctions 100x100x100x100mm. | EA   | 833.75   | 1        | 3654              | :S.C.I. S&S double equal junctions with access door 100x100x100x100 mm.          |
| 6660.    | S.C.I. S&S junctions door 75x75x75x75mm | EA   | 667.00   | 1        | 3655              | :S.C.I. S&S double equal junctions with access door 75x75x75x75 mm.              |
| 6670.    | S.C.I. S&S junctions 100x100x75mm       | EA   | 799.25   | 1        | 3660              | :S.C.I. S&S single unequal junctions 100x100x75 mm                               |
| 6680.    | S.C.I. S&S junctions door 100x100x75mm  | EA   | 868.25   | 1        | 3664              | :S.C.I. S&S single unequal junctions with access door 100x100x75 mm              |
| 6690.    | S.C.I. S&S junctions 100x100x75x75mm    | EA   | 1,098.25 | 1        | 3670              | :S.C.I. S&S double unequal junctions 100x100x75x75 mm                            |
| 6700.    | S.C.I. S&S 100x100x75x75 mm             | EA   | 1,236.25 | 1        | 3674              | :S.C.I. S&S 100x100x75x75 mm   |
| 6710.    | S.C.I. S&S degree 100x100x100mm dia     | EA   | 569.25   | 1        | 3681              | :S.C.I. S&S single equal invert branch of required degree 100x100x100 mm dia     |
| 6720.    | S.C.I. S&S single degree 75x75x75mm dia | EA   | 437.00   | 1        | 3682              | :S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia        |
| 6730.    | S.C.I. S&S degree 100x100x100x100mm dia | EA   | 764.75   | 1        | 3685              | :S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia |
| 6740.    | S.C.I. S&S degree 75x75x75x75mm dia     | EA   | 621.00   | 1        | 3686              | :S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia     |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 6750.    | S.C.I.S&S single degree100x100x75mm dia | EA   | 770.50 | 1        | 3690             | :S.C.I. S&S single unequal invert branch of required degree100x100x75 mm dia |
| 6760.    | S.C.I. S&S degree100x100x75mm dia       | EA   | 994.75 | 1        | 3695             | :S.C.I. S&S double unequal invert branch of required degree100x100x75 mm dia |
| 6770.    | S.C.I. S&S, 75 mm offset 75mm dia pipe  | EA   | 310.50 | 1        | 3699             | :S.C.I. S&S, 75 mm offset for75 mm dia pipe                                  |
| 6780.    | S.C.I. S&S, 150mm offset 75 mm dia pipe | EA   | 431.25 | 1        | 3707             | :S.C.I. S&S, 150 mm offset for75 mm dia pipe                                 |
| 6790.    | S.C.I. S&S, 150mm offset 100mm dia pipe | EA   | 552.00 | 1        | 3708             | :S.C.I. S&S, 150 mm offset for100 mm dia pipe                                |
| 6800.    | S.C.I. S&S, 114 mm offset 75mm dia pipe | EA   | 391.00 | 1        | 3712             | :S.C.I. S&S, 114 mm offset for75 mm dia pipe                                 |
| 6810.    | S.C.I.S&S, 114 mm offset 100mm dia pipe | EA   | 488.75 | 1        | 3713             | :S.C.I. S&S, 114 mm offset for100 mm dia pipe                                |
| 6820.    | S.C.I. S&S, 152 mm offset75mm dia pipe  | EA   | 454.25 | 1        | 3716             | :S.C.I. S&S, 152 mm offset for75 mm dia pipe                                 |
| 6830.    | S.C.I. S&S 152 mm offset 100mm dia pipe | EA   | 575.00 | 1        | 3717             | :S.C.I. S&S, 152 mm offset for100 mm dia pipe                                |
| 6840.    | S.C.I. S&S door pieces 100 mm dia       | EA   | 494.50 | 1        | 3728             | :S.C.I. S&S door pieces 100 mm dia   |
| 6850.    | S.C.I. S&S door pieces 75 mm dia        | EA   | 385.25 | 1        | 3729             | :S.C.I. S&S door pieces 75 mm dia  |
|          |   |      |        |          |                  |  |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
| 6860.    | S.C.I. S&S, Slotted Cowl 100 mm          | EA   | 373.75    | 1        | 3733             | :S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm                |
| 6870.    | S.C.I. S&S, Slotted Cowl 75 mm           | EA   | 299.00    | 1        | 3734             | :S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm                 |
| 6880.    | C.C.I.(spun)S&S, collars 100 mm          | EA   | 379.50    | 1        | 3738             | :C.C.I.(spun)S&S, collars 100 mm                                 |
| 6890.    | C.C.I.(spun)S&S, collars 75 mm           | EA   | 264.50    | 1        | 3739             | :C.C.I.(spun)S&S, collars 75 mm                                  |
| 6900.    | S.C.I. S&S, 76 mm offset for75 mm dia pi | EA   | 276.00    | 1        | 3746             | :S.C.I. S&S, 76 mm offset for75 mm dia pipe                      |
| 6910.    | S.C.I. S&S, 76 mm offset for100 mm dia p | EA   | 460.00    | 1        | 3747             | :S.C.I. S&S, 76 mm offset for100 mm dia pipe                     |
| 6920.    | Vitreous china toilet paper holder of st | EA   | 138.00    | 1        | 3749             | :Vitreous china toilet paper holder of standard size             |
| 6930.    | 560 mm dia cover with frame              | EA   | 10,695.00 | 1        | 3860             | :560 mm dia cover with frame (Heavy duty)                        |
| 6940.    | 560 mm dia cover without frame           | EA   | 5,980.00  | 1        | 3861             | :560 mm dia cover without frame (Heavy duty)                     |
| 6950.    | Pressed steel door frames Profile "B"    | M    | 299.00    | 1        | 4006             | :Pressed steel door frames (mild steel sheet 1.25mm) Profile "B" |
| 6960.    | Pressed steel door frames Profile "C"    | M    | 322.00    | 1        | 4007             | :Pressed steel door frames (mild steel sheet 1.25mm) Profile "C" |
| 6970.    | Pressed steel door frames Profile "E"    | M    | 345.00    | 1        | 4008             | :Pressed steel door frames (mild steel sheet 1.25mm) Profile "E" |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 6980.    | M.S. tubes hot finished welded type    | KG   | 82.80  | 1        | 4009             | :Mild steel tubes hot finished welded type   |
| 6990.    | M.S. tubes hot finished seamless type  | KG   | 92.00  | 1        | 4010             | :Mild steel tubes hot finished seamless type   |
| 7000.    | M.S. tubes electric resistant welded   | KG   | 82.80  | 1        | 4011             | :Mild steel tubes electric resistant or induction butt welded  |
| 7010.    | Circular C.I. Box for ceiling fan      | EA   | 69.00  | 1        | 4012             | :Circular C.I. Box for ceiling fan   |
| 7020.    | Pulley 40 mm dia                       | EA   | 46.00  | 1        | 4013             | :Pulley 40 mm dia  |
| 7030.    | Ready made steel door necessary hinges | M2   |        | 1        | 4014             | :Ready made steel door with necessary hinges, lugs and glazing clips excluding other fittings & their fixing |
| 7040.    | Aluminium primer                       | L    | 161.00 | 1        | 4201             | :Aluminium primer  |
| 7050.    | Red oxide Zinc chromate primer         | L    | 161.00 | 1        | 4202             | :Red oxide Zinc chromate primer  |
| 7060.    | Copper acetate                         | KG   | 379.50 | 1        | 4203             | :Copper acetate  |
| 7070.    | Hydrochloric acid                      | KG   | 46.00  | 1        | 4204             | :Hydrochloric acid   |
| 7080.    | Copper chloride                        | KG   | 379.50 | 1        | 4205             | :Copper chloride   |
| 7090.    | Copper nitrate                         | KG   | 258.75 | 1        | 4206             | :Copper nitrate  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 7100.    | Ammonium chloride                       | KG   | 28.75    | 1        | 4207              | :Ammonium chloride   |
| 7110.    | Mobil oil                               | L    | 402.50   | 1        | 5001              | :Mobil oil   |
| 7120.    | White marble slab Makrana 2nd quality   | M2   | 1,667.50 | 1        | 6001              | :White marble slab Makrana second quality plain veined 18 mm thick         |
| 7130.    | Pink marble slab plain 18mm thick       | M2   | 805.00   | 1        | 6007              | :Pink marble slab plain 18mm thick   |
| 7140.    | Udaypur green marble slab 18mm thick    | M2   | 747.50   | 1        | 6010              | :Udaypur green marble slab plain 18mm thick                                |
| 7150.    | Black Zebra marble slab 18mm thick      | M2   | 1,150.00 | 1        | 6019              | :Black Zebra marble slab plain 18mm thick                                  |
| 7160.    | Sand zone V (Jamuna)                    | M3   | 1,518.00 | 1        | 6501              | :Sand zone V (Jamuna)  |
| 7170.    | Brass 100mm mortice latch&lock 6 levs.  | EA   | 242.65   | 1        | 7001              | :Brass 100mm mortice latch and lock with 6 levers without pair of handles  |
| 7180.    | Pair lever 100mm mortice latch & lock   | EA   | 272.55   | 1        | 7003              | :Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock |
| 7190.    | Vitreous china flat basin 450x300mm     | EA   | 341.55   | 1        | 7004              | :Vitreous china flat back wash basin 450x300 mm                            |
| 7200.    | Vitreous china 10 lts not fitt. cistern | EA   | 805.00   | 1        | 7005              | :Vitreous china 10 litres low level cistern without fittings               |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 7210.    | Vitreous china 10 lts cistern fittings  | EA   | 1,380.00 | 1        | 7006              | :Vitreous china 10 litres low level cistern with fittings |
| 7220.    | F.P.S. clay fly ash brick class degn 75 | NO   |          | 1        | 7008              | :F.P.S. clay fly ash bricks class designation 75          |
| 7230.    | Gypsum board                            | M2   | 177.10   | 1        | 7009              | :Gypsum board   |
| 7240.    | Ceiling sections                        | M    | 56.35    | 1        | 7010              | :Ceiling sections   |
| 7250.    | Perimeter channel                       | M    | 27.60    | 1        | 7011              | :Perimeter channel  |
| 7260.    | Intermediate channel                    | M    | 46.00    | 1        | 7012              | :Intermediate channel                                     |
| 7270.    | Ceiling angle                           | M    | 14.95    | 1        | 7013              | :Ceiling angle  |
| 7280.    | Connecting clips                        | EA   | 4.60     | 1        | 7014              | :Connecting clips   |
| 7290.    | Soffit cleat                            | EA   | 3.45     | 1        | 7015              | :Soffit cleat   |
| 7300.    | Joint filler                            | KG   | 28.75    | 1        | 7016              | :Joint filler   |
| 7310.    | Joint finisher                          | KG   | 26.45    | 1        | 7017              | :Joint finisher   |
| 7320.    | Joint tape roll                         | RL   | 109.25   | 1        | 7018              | :Joint tape roll  |
| 7330.    | Dash fastener/Chemical Fastener         | EA   | 14.95    | 1        | 7019              | :Dash fastener/Chemical Fastener                          |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 7340.    | All drive screws ( for gypsum board)      | NO   | 72.45    | 100      | 7020              | :All drive screws ( for gypsum board)  |
| 7350.    | Primer ( for gypsum board)                | L    | 86.25    | 1        | 7021              | :Primer ( for gypsum board)  |
| 7360.    | Chlorpyrifos & Lindane 20% E.C.           | L    | 189.75   | 1        | 7022              | :Chlorpyrifos 20% E.C. / Lindane 20% E.C.  |
| 7370.    | Chromium plated brackets                  | EA   | 10.35    | 1        | 7023              | :Chromium plated brackets ( curtain rods)  |
| 7380.    | Acid Proof cement                         | TO   | 9,687.60 | 1        | 7024              | :Acid Proof cement   |
| 7390.    | M.S. Butt hinges 125x90x4 mm              | NO   | 129.95   | 10       | 7027              | :M.S. Butt hinges 125x90x4 mm  |
| 7400.    | Gal. v. wire mesh dia. of wire 0.63mm     | M2   | 299.00   | 1        | 7029              | :Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm |
| 7410.    | Frosted glass sheet nominal thickness 4mm | M2   | 511.75   | 1        | 7032              | :Frosted glass sheet of nominal thickness 4 mm (weighing not less than 10 kg/sqm)          |
| 7420.    | Nickel plated M.S. pipe 20 mm dia.        | M    | 89.70    | 1        | 7034              | :Nickel plated M.S. pipe 20 mm dia.  |
| 7430.    | Nickel plated M.S. curtain rod 20mm       | EA   | 8.05     | 1        | 7035              | :Nickel plated M.S. Brackets for curtain rod 20 mm   |
| 7440.    | Nickel plated curtain rod 25 mm           | EA   | 10.35    | 1        | 7036              | :Nickel plated M.S. Brackets for curtain rod 25 mm   |
|          |   |      |          |          |                   |  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 7450.    | Oxidised mild steel screws 35 mm        | NO   | 60.95    | 100      | 7040              | :Oxidised mild steel screws 35 mm  |
| 7460.    | Mild steel conduit pipe ISI-20 mm dia.  | M    | 51.75    | 1        | 7042              | :Mild steel conduit pipe (heavy type) ISI marked-20 mm dia.  |
| 7470.    | Mild steel conduit pipe ISI-25 mm dia.  | M    | 65.55    | 1        | 7043              | :Mild steel conduit pipe (heavy type) ISI marked-25 mm dia.  |
| 7480.    | Rolling shutters of 80x0.90 mm laths    | M2   | 1,629.55 | 1        | 7044              | :Rolling shutters of 80x0.90 mm laths  |
| 7490.    | Rolling shutters of 80x1.2 mm laths     | M2   | 1,676.70 | 1        | 7045              | :Rolling shutters of 80x1.2 mm laths   |
| 7500.    | Top cover of Rolling shutter 0.90mm th. | M    | 569.25   | 1        | 7046              | :Top cover of Rolling shutters 0.90 mm thick   |
| 7510.    | Top cover Rolling shutter 1.20mm th.    | M    | 708.40   | 1        | 7047              | :Top cover of Rolling shutters 1.20 mm thick   |
| 7520.    | Rawl plug 50 mm (designation 10 no.)    | EA   | 27.60    | 1        | 7048              | :Rawl plug 50 mm (designation 10 no.)  |
| 7530.    | Teak wood lipping 25x3 mm in pelmets    | M    | 14.95    | 1        | 7049              | :Teak wood lipping of size 25x3 mm in pelmets  |
| 7540.    | Flat pressed 3 layer & graded board     | M2   | 539.35   | 1        | 7055              | :Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : 3087 - 18 mm thick |
| 7550.    | Aluminium tee channel roller & stop end | M    | 124.20   | 1        | 7056              | :Aluminium tee channel (heavy duty) with rollers and stop end  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
| 7560.    | Aluminium hang door twin rubber/stopper | EA   | 50.60  | 1        | 7059             | :Aluminium hanging floor door stopper with twin rubber & stopper  |
| 7570.    | Hydraulic door closer Aluminium body    | EA   | 690.00 | 1        | 7060             | :Hydraulic door closer tubular type Aluminium section body  |
| 7580.    | Oxidised M.S. stay not less than 0.33kg | EA   | 42.55  | 1        | 7063             | :Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg  |
| 7590.    | Oxidised M.S. stay not less than 0.28kg | EA   | 37.95  | 1        | 7064             | :Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg  |
| 7600.    | Oxidised M.S. stay not less than 0.24kg | EA   | 32.20  | 1        | 7065             | :Oxidised M.S.casement stay (straight peg type) 200 mm not less than 0.24 kg  |
| 7610.    | Extra shutters with 8 mm dia M.S. rod   | M2   | 621.00 | 1        | 7068             | :Extra for providing grilled rolling shutters with 8 mm dia M.S. rod  |
| 7620.    | Chequered precast concrete tile 22mm th | M2   | 450.80 | 1        | 7070             | :Chequered precast cement concrete tiles 22mm thick using marble chips of size 6mm - light shade using white cement |
| 7630.    | White marble Raj Nagar plain 20 mm th.  | M2   | 690.00 | 1        | 7071             | :White marble Raj Nagar plain 20 mm thick (slab area 0.10 sqm to 0.20 sqm)  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 7640.    | Acid and alkali rest tiles 300x300mm    | NO   | 609.50   | 10       | 7077             | :Acid and alkali resistant tiles 300x300 mm size, 10 mm thick                    |
| 7650.    | S.C.I. Tee 150 mm                       | EA   | 714.15   | 1        | 7087             | :S.C.I. Tee 150 mm   |
| 7660.    | Expanded polystyrene type N- Normal     | M2   | 147.20   | 1        | 7090             | :Expanded polystyrene type N- Normal   |
| 7670.    | Expanded polystyrene type - SE          | M2   | 170.20   | 1        | 7091             | :Expanded polystyrene type - SE  |
| 7680.    | Stainless steel k. sink - depth 250 mm. | EA   | 3,680.00 | 1        | 7095             | :Stainless steel kitchen sink - with drain board bowl depth 250 mm.              |
| 7690.    | Stainless steel k. sink-depth 225 mm.   | EA   | 4,140.00 | 1        | 7096             | :Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 225 mm. |
| 7700.    | Stainless steel k. sink-depth 200mm.    | EA   | 3,852.50 | 1        | 7097             | :Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 200 mm. |
| 7710.    | Stainless steel k. sink-178 mm          | EA   | 3,657.00 | 1        | 7098             | :Stainless steel kitchen sink - with drain board 510x1040mm bowl depth 178 mm    |
| 7720.    | Stainless steel k. sink-depth 200mm     | EA   | 2,702.50 | 1        | 7101             | :Stainless steel kitchen sink - without drain board 610x510mm bowl depth 200 mm  |
| 7730.    | Stainless steel k. sink-depth 200mm.    | EA   | 1,840.00 | 1        | 7102             | :Stainless steel kitchen sink - without drain board 610x460mm bowl depth 200 mm. |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 7740.    | Stainless steel k. sink-depth 178mm     | EA   | 1,462.80 | 1        | 7103             | :Stainless steel kitchen sink - without drain board 470x420mm bowl depth 178 mm |
| 7750.    | Coloured Orissa pattern pan 580x440 mm  | EA   | 1,897.50 | 1        | 7104             | :Coloured Orissa pattern W.C. pan 580x440 mm                                    |
| 7760.    | Coloured Pedestal pan 580x440 mm(E)     | EA   | 1,035.00 | 1        | 7105             | :Coloured Pedestal type W.C. pan 580x440 mm (European type)                     |
| 7770.    | Coloured Vitreous china 10 lit. cistern | EA   | 1,150.00 | 1        | 7106             | :Coloured Vitreous china 10 lit. low level cistern                              |
| 7780.    | Coloured solid P.V.C. European W.C pan  | EA   | 442.75   | 1        | 7107             | :Coloured (other than black) solid P.V.C. seat in European W.C. pan             |
| 7790.    | Circular shape 450 mm dia frame         | EA   | 501.40   | 1        | 7112             | :Circular shape 450 mm dia Mirror with Plastic moulded frame                    |
| 7800.    | R. 453x357mm Plastic moulded frame      | EA   | 353.05   | 1        | 7113             | :Rectangular shape 453x357 mm Mirror with Plastic moulded frame                 |
| 7810.    | Oval 450x350mm moulded frame            | EA   | 366.85   | 1        | 7114             | :Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame     |
| 7820.    | R. 1500x450 mm Mirror moulded frame     | EA   | 805.00   | 1        | 7115             | :Rectangular shape 1500x450 mm Mirror with Plastic moulded frame                |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|----------|----------|-------------------|---|
| 7830.    | Hard board 6 mm thick                 | M2   | 142.60   | 1        | 7116              | :Hard board 6 mm thick  |
| 7840.    | Semi Rigid PVC sink & basin 32 mm     | EA   | 31.05    | 1        | 7117              | :Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings                  |
| 7850.    | Semi Rigid PVC sink & basin 40mm dia  | EA   | 41.40    | 1        | 7118              | :Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings                  |
| 7860.    | Flexible PVC for sink basin 32mm dia  | EA   | 43.70    | 1        | 7119              | :Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 mm i/c PVC waste fittings      |
| 7870.    | Flexible PVC pipe sink&basin 40mm dia | EA   | 43.70    | 1        | 7120              | :Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not less than 700 mm i/c PVC waste fittings      |
| 7880.    | Coloured High poly propylene 10 lit.  | EA   | 670.45   | 1        | 7123              | :Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlled low level flushing cistern with fittings |
| 7890.    | White Vitreous china 10 lit.          | EA   | 839.50   | 1        | 7126              | :White Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings                           |
| 7900.    | Coloured Vitreous china 10 lit.       | EA   | 1,380.00 | 1        | 7127              | :Coloured Vitreous china 10 lit. (full flush) capacity  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | controlled low level flushing cistern with all fittings                           |
| 7910.    | S.W. intercepting trap 100 mm dia        | EA   | 230.00   | 1        | 7128             | :S.W. intercepting trap 100 mm dia  |
| 7920.    | S.W. intercepting trap 150 mm dia        | EA   | 301.30   | 1        | 7129             | :S.W. intercepting trap 150 mm dia  |
| 7930.    | R. 600x450 mm R.C.C. manhole L.D. - 25   | EA   | 854.45   | 1        | 7130             | :Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 25 |
| 7940.    | S. 350x350 mm R.C.C. manhole - L.D. - 25 | EA   | 690.00   | 1        | 7131             | :Square shape 350x350 mm precast R.C.C. manhole cover with frame - L.D. - 25      |
| 7950.    | C. 450mm dia R.C.C. manhole -LD. -25     | EA   | 701.50   | 1        | 7132             | :Circular shape 450 mm dia precast R.C.C. manhole cover with frame -LD. -25       |
| 7960.    | Rect. 500x500 mm R.C.C. manhole M.D.-10  | EA   | 805.00   | 1        | 7133             | :Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10 |
| 7970.    | C. 500 mm dia R.C.C. manhole - M.D. -10  | EA   | 695.75   | 1        | 7134             | :Circular shape 500 mm dia precast R.C.C. manhole cover with frame- M.D. - 10     |
| 7980.    | C. 560 mm dia R.C.C. manhole -H.D. -35   | EA   | 1,075.25 | 1        | 7135             | :Circular shape 560 mm dia precast R.C.C. manhole cover with frame -H.D. -35      |
| 7990.    | C.560mm dia R.C.C. manhole -E.H.D.-35    | EA   | 1,437.50 | 1        | 7136             | :Circular shape 560 mm dia precast R.C.C. manhole cover with frame -E.H.D.-35     |



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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---------------------------------------|------|----------|----------|------------------|--|
| 8000.    | Factory 12mm thick plain type-I       | M2   | 1,980.30 | 1        | 7137             | :Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick plain type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin sqm adhesive, as per IS:848-1974 .  |
| 8010.    | Factory 12mm thick shutter both sides | M2   | 2,096.45 | 1        | 7139             | :Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick both sides prelaminated type-I, medium density flat pressed three layer, graded particle board (FPT-I) as per IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per IS:848-1974                                    |
| 8020.    | Factory 12mm thick shutter one side   | M2   | 2,288.50 | 1        | 7143             | :Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of 12 mm thick one side prelaminated type-I, and other side balancing lamination, medium density flat pressed three layer, graded particle board (FPT-I) as IS:3087-1985 bonded with BWP type synthetic resin adhesive, as per per IS:848-1974 |
| 8030.    | Factory 30mm th. Shutters 10 kg/ sqm  | M2   | 1,978.00 | 1        | 7151             | :Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of sheet glass using 10 kg/ sqm glass panes  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 8040.    | Factory 35mm thick shutters dia 0.63 mm  | M2   | 1,978.00 | 1        | 7154             | :Factory made 35 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm |
| 8050.    | Factory 30mm thick shutters dia 0.63mm   | M2   | 1,765.25 | 1        | 7155             | :Factory made 30 mm thick shutters with laminated veneer lumber styles rails as per TADS IS:1995 and panels of galvanised wire gauge with average width of aperture 1.4 mm on both directions with wire of dia 0.63 mm |
| 8060.    | Laminated manufactured in factory of D&W | DM3  | 862.50   | 10       | 7157             | :Laminated manufactured in factory in frames of doors, windows   |
| 8070.    | C.I. pile shoe                           | KG   | 59.80    | 1        | 7181             | :C.I. pile shoe  |
| 8080.    | M.S. clamps for pile shoe                | KG   | 51.75    | 1        | 7182             | :M.S. clamps for pile shoe   |
| 8090.    | Bentonite                                | TO   | 3,507.50 | 1        | 7183             | :Bentonite   |
| 8100.    | Oxidised M.S. safety chain, for door     | EA   | 69.00    | 1        | 7184             | :Oxidised M.S. safety chain (weighing not less than 450 gms) for door  |
| 8110.    | C.I. grating 150 mm dia.                 | EA   | 33.35    | 1        | 7187             | :C.I. grating 150 mm dia. (Weighing not less than 440 gm)  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 8120.    | UPVC pipes Single socket pipe 75mm dia.  | M    | 85.10  | 1        | 7188              | :U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 75 mm dia.  |
| 8130.    | UPVC pipes Single socket pipe 110mm dia. | M    | 163.30 | 1        | 7189              | :U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Single socketed pipe 110 mm dia. |
| 8140.    | U-PVC pipes Rubber Ring 75 mm dia.       | M    | 10.35  | 1        | 7190              | :U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Rubber (Seal) Ring 75 mm dia.    |
| 8150.    | U-PVC pipes Rubber Ring 110 mm dia.      | M    | 13.80  | 1        | 7191              | :U-PVC pipes (working pressure 4 kg / cm <sup>2</sup> ) Rubber (Seal) Ring 110 mm dia.   |
| 8160.    | UPVC coupler drainage pipes 75 mm        | EA   | 21.85  | 1        | 7192              | :UPVC coupler for UPVC drainage pipes 75 mm  |
| 8170.    | UPVC coupler drainage pipes 110 mm       | EA   | 47.15  | 1        | 7193              | :UPVC coupler for UPVC drainage pipes 110 mm   |
| 8180.    | UPVC pushfit coupler 75 mm thick         | EA   | 23.00  | 1        | 7194              | :UPVC pushfit coupler (single) 75 mm thick   |
| 8190.    | UPVC pushfit coupler 110 mm thick        | EA   | 40.25  | 1        | 7195              | :UPVC pushfit coupler (single) 110 mm thick  |
| 8200.    | UPVC single equal Tee 75x75x75 mm        | EA   | 57.50  | 1        | 7196              | :UPVC single equal Tee (with door) 75x75x75 mm   |
| 8210.    | UPVC single equal Tee 110x110x110 mm     | EA   | 102.35 | 1        | 7197              | :UPVC single equal Tee (with door) 110x110x110 mm  |
| 8220.    | UPVC single equal Tee 75x75x75 mm        | EA   | 73.60  | 1        | 7198              | :UPVC single equal Tee (with door) 75x75x75 mm   |

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| Item No. | Description                                  | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 8230.    | UPVC single equal Tee 110x110x110 mm         | EA   | 112.70 | 1        | 7199             | :UPVC single equal Tee (with door) 110x110x110 mm  |
| 8240.    | UPVC bend 87.5o 75 mm bend                   | EA   | 43.70  | 1        | 7208             | :UPVC bend 87.5o 75 mm bend  |
| 8250.    | UPVC bend 87.5o 110 mm bend                  | EA   | 72.45  | 1        | 7209             | :UPVC bend 87.5o 110 mm bend   |
| 8260.    | UPVC plain shoe 75 mm bend                   | EA   | 33.35  | 1        | 7212             | :UPVC plain shoe 75 mm bend  |
| 8270.    | UPVC plain shoe 110 mm bend                  | EA   | 57.50  | 1        | 7213             | :UPVC plain shoe 110 mm bend   |
| 8280.    | UPVC pipe clip 75 mm bend                    | EA   | 17.25  | 1        | 7214             | :UPVC pipe clip 75 mm bend   |
| 8290.    | UPVC pipe clip 110 mm bend                   | EA   | 18.40  | 1        | 7215             | :UPVC pipe clip 110 mm bend  |
| 8300.    | Resin Bonded Glass wool 16 kg/m <sup>3</sup> | M2   | 120.75 | 1        | 7231             | :Resin Bonded Glass wool 16 kg/m <sup>3</sup> 50 mm thick  |
| 8310.    | Resin Bonded Glass wool 24 kg/m <sup>3</sup> | M2   | 161.00 | 1        | 7232             | :Resin Bonded Glass wool 24 kg/m <sup>3</sup> 50 mm thick  |
| 8320.    | Fibre glass reinforcement T- II, G-I         | M2   | 94.30  | 1        | 7233             | :Fibre glass tissue reinforcement Type II Grade I  |
| 8330.    | Precast chequered tiles 22 mm th.            | M2   | 266.80 | 1        | 7236             | :Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement                         |
| 8340.    | Precast chequered tiles 22mm th.             | M2   | 411.70 | 1        | 7237             | :Precast chequered cement tiles 22 mm thick medium shade using 50% white cement, 50% ordinary cement |

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|----------|--|------|-----------|----------|-------------------|--|
| 8350.    | Epoxy paint                              | L    | 264.50    | 1        | 7239              | :Epoxy paint   |
| 8360.    | Fire retardant paint                     | L    | 297.85    | 1        | 7240              | :Fire retardant paint  |
| 8370.    | Melamine polish                          | L    | 376.05    | 1        | 7241              | :Melamine polish   |
| 8380.    | Table rubbed polished Agaria Marble      | M2   | 1,857.25  | 1        | 7244              | :Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick   |
| 8390.    | Table rubbed polished Granite stone-18mm | M2   | 2,228.70  | 1        | 7245              | :Table rubbed polished stone 18mm thick (75x50cm) Granite stone - 18mm thick   |
| 8400.    | Vertical load testing piles 50MT cap.    | PTS  | 44,275.00 | 1        | 7246              | :Vertical load testing (INITIAL) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification and up to 50MT capacity pile. |
| 8410.    | Vertical load testing piles to 100MT.    | PTS  | 49,450.00 | 1        | 7247              | :Vertical load testing (INITIAL) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & above 50MT and up to 100MT. |
| 8420.    | Vertical load testing piles upto 50MT.   | PTS  | 56,925.00 | 1        | 7248              | :Vertical load testing (INITIAL) of piles in accordance with IS : 2911 (Part-IV) including installation of loading platform  |

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|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          |                  | and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & group of two or more up to 50MT.                                |
| 8430.    | Cy. vertical load test piles upto 50t    | PTS  | 15,870.00 | 1        | 7249             | :Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile up to 50 tonne capacity  |
| 8440.    | Cy. vertical load test piles above 100 t | PTS  | 26,220.00 | 1        | 7250             | :Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Single pile above 50 tonne capacity pile and up to 100 tonne capacity pile |
| 8450.    | Cy. vertical load test piles upto 50 t   | PTS  | 32,775.00 | 1        | 7251             | :Cyclic vertical load testing of piles in accordance with IS : 2911 (Part-IV) including preparation of pile head etc. for Group of two piles up to 50 tonne capacity each                            |
| 8460.    | Lateral load test pile Upto 50 tonne     | PTS  | 15,870.00 | 1        | 7252             | :Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile. Up to 50 tonne capacity  |
| 8470.    | Lateral load test pile Above 50 tonne    | PTS  | 26,565.00 | 1        | 7253             | :Lateral load testing of single pile in accordance with IS : 2911 part -IV for determining safe allowable lateral load on pile. Above 50 tonne capacity  |
| 8480.    | Hardening compound                       | L    | 44.85     | 1        | 7254             | :Hardening compound  |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-----------|----------|-------------------|--|
| 8490.    | Road marking paint (spirit based)       | L    | 142.60    | 1        | 7255              | :Road marking paint (spirit based)   |
| 8500.    | Superior quality road marking paint     | L    | 161.00    | 1        | 7256              | :Superior quality road marking paint   |
| 8510.    | C.P. Brass bibcock 15 mm                | EA   | 379.50    | 1        | 7257              | :C.P. Brass bibcock 15 mm  |
| 8520.    | C.P. Brass long nose bibcock 15 mm      | EA   | 621.00    | 1        | 7258              | :C.P. Brass long nose bibcock 15 mm  |
| 8530.    | C.P. Brass long body bibcock 15 mm      | EA   | 609.50    | 1        | 7259              | :C.P. Brass long body bibcock 15 mm  |
| 8540.    | C.P. Brass stop cock (concealed) 15 mm  | EA   | 511.75    | 1        | 7260              | :C.P. Brass stop cock (concealed) 15 mm  |
| 8550.    | C.P. Brass angle valve 15 mm            | EA   | 434.70    | 1        | 7261              | :C.P. Brass angle valve 15 mm  |
| 8560.    | Pressed clay tiles                      | NO   | 10,120.00 | 1,000    | 7266              | :Pressed clay tiles  |
| 8570.    | Plain ceiling tiles (600x600x12 mm)     | EA   | 127.65    | 1        | 7267              | :Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm) |
| 8580.    | Semi perforated ceiling 600x600x12mm    | EA   | 123.05    | 1        | 7268              | :Semi perforated ceiling tiles (600x600x12 mm)   |
| 8590.    | 25 mm thick particle board              | M2   | 517.50    | 1        | 7269              | :25 mm thick particle board  |
| 8600.    | 30mm th. Prelaminate flush door shutter | M2   | 1,035.00  | 1        | 7270              | :30 mm thick prelaminated flush door shutter   |
|          |   |      |           |          |                   |  |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-----------|----------|------------------|---|
| 8610.    | 2nd class teak wood lipping 25x12mm th. | M    | 34.50     | 1        | 7271             | :1nd class teak wood lipping 25 mm wide x 12 mm thick   |
| 8620.    | 25 mm thick melamine three layer board  | M2   | 1,115.50  | 1        | 7272             | :25 mm thick melamine faced prelaminated three layer particle board                                     |
| 8630.    | Granite Black marble above 0.2-0.5 sqm  | M2   | 2,194.20  | 1        | 7295             | :Granite Black marble, 18 mm thick slab, above 0.2 sqm up to 0.5 sqm (areawise)                         |
| 8640.    | Granite Black marble above 1.0-2.0 sqm  | M2   | 1,237.40  | 1        | 7297             | :Granite Black marble, 18 mm thick slab, above 1.0 sqm up to 2.0 sqm (areawise)                         |
| 8650.    | Aluminium T or L sections               | KG   | 227.70    | 1        | 7306             | :Aluminium T or L sections  |
| 8660.    | For flush door shutters teak veneering  | M2   | 386.40    | 1        | 7307             | :For flush door shutters Extra for providing teak veneering on one side instead of commercial veneering |
| 8670.    | Paving Asphalt 60/70 penetration        | TO   | 47,382.30 | 1        | 7309             | :Paving Asphalt 60/70 penetration   |
| 8680.    | Expandable plastic screws 25mm long     | EA   | 12.65     | 1        | 7312             | :Expandable fastener with plastic sleeve and M.S. screws. 25 mm long                                    |
| 8690.    | Expandable plastic screws 32mm long     | EA   | 12.65     | 1        | 7313             | :Expandable fastener with plastic sleeve and M.S. screws. 32 mm long                                    |
| 8700.    | Expandable plastic screws 40mm long     | EA   | 16.10     | 1        | 7314             | :Expandable fastener with plastic sleeve and M.S. screws. 40 mm long                                    |



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| Item No. | Description                         | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|-------------------------------------|------|----------|----------|------------------|--|
| 8710.    | Expandable plastic screws 50mm long | EA   | 17.25    | 1        | 7315             | :Expandable fastener with plastic sleeve and M.S. screws. 50 mm long |
| 8720.    | Plasticizer / super plasticizer     | KG   | 34.50    | 1        | 7318             | :Plasticizer / super plasticizer                                     |
| 8730.    | Wall form panel 1250x500 mm         | EA   | 1,035.00 | 1        | 7319             | :Wall form panel 1250x500 mm   |
| 8740.    | Tie bolt 12 mm dia 100 mm length    | EA   | 46.00    | 1        | 7320             | :Tie bolt 12 mm dia 100 mm length                                    |
| 8750.    | Tie bolt 12 mm dia 150 mm length    | EA   | 57.50    | 1        | 7321             | :Tie bolt 12 mm dia 150 mm length                                    |
| 8760.    | Tie bolt 20 mm dia 150 mm length    | EA   | 69.00    | 1        | 7322             | :Tie bolt 20 mm dia 150 mm length                                    |
| 8770.    | Tie bolt 20 mm dia 225 mm length    | EA   | 82.80    | 1        | 7323             | :Tie bolt 20 mm dia 225 mm length                                    |
| 8780.    | Spring coil 12 mm                   | EA   | 18.40    | 1        | 7324             | :Spring coil 12 mm   |
| 8790.    | Plastic cone 12 mm dia              | EA   | 19.55    | 1        | 7325             | :Plastic cone 12 mm dia  |
| 8800.    | Corner angle 45x45x5 mm 1.50 m long | EA   | 295.55   | 1        | 7326             | :Corner angle 45x45x5 mm 1.50 m long                                 |
| 8810.    | 100 mm channel shoulder 2.5 m long  | EA   | 1,092.50 | 1        | 7327             | :100 mm channel shoulder 2.5 m long                                  |
|          |                                     |      |          |          |                  |  |

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| Item No. | Description                        | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description                            |
|----------|------------------------------------|------|----------|----------|------------------|---|
| 8820.    | Double clip ( bridge clip)         | EA   | 92.00    | 1        | 7328             | :Double clip ( bridge clip)                   |
| 8830.    | Single clip                        | EA   | 73.60    | 1        | 7329             | :Single clip                                  |
| 8840.    | M.S. tube 40 mm dia                | M    | 258.75   | 1        | 7330             | :M.S. tube 40 mm dia                          |
| 8850.    | Wall form panel 1250x450 mm        | EA   | 1,035.00 | 1        | 7331             | :Wall form panel 1250x450 mm                  |
| 8860.    | Corner angle 45x45x5 m 2.50 m long | EA   | 316.25   | 1        | 7332             | :Corner angle 45x45x5 m 2.50 m long           |
| 8870.    | Column clamp 450x1070 m            | EA   | 1,173.00 | 1        | 7333             | :Column clamp 450x1070 m                      |
| 8880.    | Prop 2 m ( 2-3.5m)                 | EA   | 793.50   | 1        | 7334             | :Prop 2 m ( 2-3.5m)                           |
| 8890.    | Binding wire                       | KG   | 57.50    | 1        | 7335             | :Binding wire                                 |
| 8900.    | Gun metal cramp                    | KG   | 385.25   | 1        | 7338             | :Gun metal cramp                              |
| 8910.    | Stainless steel cramp              | KG   | 359.95   | 1        | 7339             | :Stainless steel cramp                        |
| 8920.    | Stainless steel pin .              | KG   | 221.95   | 1        | 7340             | :Stainless steel pin .                        |
| 8930.    | Adjustable span ESO+SI (2.35-3.40) | EA   | 1,771.00 | 1        | 7342             | :Adjustable span ESO+SI (2.35-3.40)           |
| 8940.    | Adjustable telescopic 3 m          | EA   | 1,208.65 | 1        | 7343             | :Adjustable telescopic prop 3 m (2.02-3.75 m) |

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|----------|--|------|----------|----------|-------------------|---|
|          | (2.02-3.75 m)                            |      |          |          |                   |   |
| 8950.    | Beam clamp 300-380 mm (450-1070 mm)      | SET  | 431.25   | 1        | 7344              | :Beam clamp 300-380 mm (450-1070 mm)  |
| 8960.    | Prop 4 m                                 | EA   | 1,109.75 | 1        | 7345              | :Prop 4 m   |
| 8970.    | Double coupler                           | EA   | 56.35    | 1        | 7346              | :Double coupler   |
| 8980.    | Cadmium plated steel screws 30x4mm dia   | NO   | 33.35    | 100      | 7347              | :Cadmium plated full threaded steel screws (30x4 mm dia.)   |
| 8990.    | Aluminium washer 2 mm thick 15 mm dia    | NO   | 12.65    | 100      | 7348              | :Aluminium washer 2 mm thick 15 mm dia  |
| 9000.    | 12 mm M.S. 'U' beading                   | M    | 17.25    | 1        | 7349              | :12 mm M.S. 'U' beading   |
| 9010.    | Plastic M.S. foot rest 30x20x15 cm       | EA   | 139.15   | 1        | 7354              | :Plastic encapsulated M.S. foot rest 30x20x15 cm  |
| 9020.    | Flushing Cistern P.V.C. low level/White  | EA   | 714.15   | 1        | 7358              | :Flushing Cistern P.V.C. 10 lts capacity ( low level ) (White) ( with fittings, accessories and flush pipe) |
| 9030.    | P.V.C. automatic flushing cistern 5 lts  | EA   | 548.55   | 1        | 7359              | :P.V.C. automatic flushing cistern 5 lts capacity   |
| 9040.    | P.V.C. automatic flushing cistern 10 lts | EA   | 626.75   | 1        | 7361              | :P.V.C. automatic flushing cistern 10 lts capacity  |
| 9050.    | 15 mm C.P. brass tap with elbow          | EA   | 533.60   | 1        | 7363              | :15 mm C.P. brass tap with elbow operation lever  |
|          |  |      |          |          |                   |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 9060.    | White fire clay board 600x450x25 mm     | EA   | 621.00   | 1        | 7364              | :White glazed fire clay draining board 600x450x25 mm  |
| 9070.    | GRG board 8.5 mm thick                  | M2   | 303.60   | 1        | 7366              | :Glass reinforced Gyp sum ( GRG) board 8.5 mm thick   |
| 9080.    | Galvanised M.S. sheet sect. 50x32 mm    | M    | 74.75    | 1        | 7367              | :Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm  |
| 9090.    | Galvanised M.S. sheet stud. 48x34x36 mm | M    | 87.40    | 1        | 7369              | :Galvanised M.S. sheet 0.50 mm thick pressed stud. 48x34x36 mm  |
| 9100.    | G.I. Flush pipe & C.P. 1 lipped urinal  | EA   | 553.15   | 1        | 7375              | :G.I. flush pipe and C.P. brass spreader including C.P. Connecting pipe Single lipped urinal  |
| 9110.    | G.I. flush pipe&C.P. one lipped urinal  | EA   | 914.25   | 1        | 7376              | :G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urinal  |
| 9120.    | G.I. flush pipe & C.P. 3 lipped urinals | EA   | 1,299.50 | 1        | 7377              | :G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipped urinals                                   |
| 9130.    | G.I. flush pipe&c.p. four lippe urinals | EA   | 1,775.60 | 1        | 7378              | :G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals                                    |
| 9140.    | W.V.C. clay urinal flat 580x380x350 mm  | EA   | 1,052.25 | 1        | 7379              | :White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x375x350 mm with waste fittings as per IS : 2556 |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-----------|----------|-------------------|---|
| 9150.    | P/cast RCC 500x450mm horizontal grating | EA   | 764.75    | 1        | 7380              | :Precast R.C.C. grating with frame 500x450 mm horizontal grating    |
| 9160.    | Precast RCC 450x100 mm vertical grating | EA   | 287.50    | 1        | 7381              | :Precast R.C.C. grating with frame 450x100 mm vertical grating      |
| 9170.    | Bitumen emulsion rapid IS:8887-1995     | TO   | 22,876.95 | 1        | 7382              | :Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887-1995 |
| 9180.    | 3mm th. translucent white plastic sheet | M2   | 608.35    | 1        | 7385              | :3 mm thick translucent white acrylic plastic sheet                 |
| 9190.    | 12 thick particle board ceiling tile    | M2   | 116.15    | 1        | 7386              | :12 thick particle board ceiling tile                               |
| 9200.    | Dash hold 12.5 mm dia, 40 mm long       | EA   | 11.50     | 1        | 7388              | :Dash hold fastener 12.5 mm dia, 40 mm long with 6 mm dia bolt      |
| 9210.    | Anodising 15 microns on al. sections    | KG   | 48.30     | 1        | 7389              | :Anodising 15 microns on aluminium sections                         |
| 9220.    | Neoprene/EPDM rubber gasket             | M    | 18.40     | 1        | 7390              | :Neoprene/EPDM rubber gasket  |
| 9230.    | Anodising 25 microns on al. sections    | KG   | 58.65     | 1        | 7391              | :Anodising 25 microns on aluminium sections                         |
| 9240.    | Powder coating 50 microns on al.section | KG   | 75.90     | 1        | 7392              | :Powder coating 50 microns on aluminium sections.                   |
| 9250.    | Polyester powder coating 50 microns     | KG   | 82.80     | 1        | 7393              | :Polyester powder coating 50 microns on aluminium sections          |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
| 9260.    | Double action, steel cover plate        | EA   | 1,857.25 | 1        | 7394              | :Double action hydraulic floor spring with stainless steel cover plate  |
| 9270.    | 6 mm dia. G.I. adjustable hangers       | EA   | 24.15    | 1        | 7395              | :6 mm dia. G.I. adjustable hangers including clips (up to 1.2 m length) |
| 9280.    | Double action hydraulic fl, cover plate | EA   | 1,972.25 | 1        | 7396              | :Double action hydraulic floor spring with brass cover plate            |
| 9290.    | 15 mm PTMT bib cock                     | EA   | 80.50    | 1        | 7400              | :15 mm PTMT bib cock  |
| 9300.    | 15 mm PTMT bib cock with flange (fancy) | EA   | 109.25   | 1        | 7401              | :15 mm PTMT bib cock with flange (fancy)                                |
| 9310.    | 15 mm PTMT bib cock long body, flange   | EA   | 121.90   | 1        | 7402              | :15 mm PTMT bib cock long body with flange                              |
| 9320.    | 15 mm dia PTMT stop cock(male thread)   | EA   | 74.75    | 1        | 7403              | :15 mm dia PTMT stop cock(male thread)                                  |
| 9330.    | 20 mm dia. PTMT stop cock               | EA   | 83.95    | 1        | 7405              | :20 mm dia. PTMT stop cock  |
| 9340.    | PTMT pillar cock                        | EA   | 143.75   | 1        | 7406              | :PTMT pillar cock   |
| 9350.    | PTMT push cock 15 mm dia.               | EA   | 70.15    | 1        | 7407              | :PTMT push cock 15 mm dia.  |
| 9360.    | PTMT push cock 12 mm dia. 20 mm BSP     | EA   | 56.35    | 1        | 7408              | :PTMT push cock 12 mm dia. 20 mm BSP                                    |
|          |   |      |          |          |                   |   |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 9370.    | PTMT grating 100 mm dia.               | EA   | 19.55    | 1        | 7409             | :PTMT grating 100 mm dia.   |
| 9380.    | PTMP. Pillar cock 15mm foam flow       | EA   | 156.40   | 1        | 7410             | :PTMP. Pillar cock (fancy) 15mm foam flow   |
| 9390.    | 125 mm grating with waste hole         | EA   | 31.05    | 1        | 7411             | :125 mm grating with waste hole   |
| 9400.    | Rectangular type, lid 150 mm size 18mm | EA   | 148.35   | 1        | 7412             | :Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia. (110 gm) |
| 9410.    | Double acting air valve 50 mm          | EA   | 4,456.25 | 1        | 7415             | :Double acting air valve 50 mm  |
| 9420.    | Double acting air valve 80 mm          | EA   | 5,462.50 | 1        | 7416             | :Double acting air valve 80 mm  |
| 9430.    | Double acting air valve 100 mm         | EA   | 6,900.00 | 1        | 7417             | :Double acting air valve 100 mm   |
| 9440.    | Water meter, 80 mm                     | EA   | 2,415.00 | 1        | 7418             | :Water meter (including testing charges) 80 mm  |
| 9450.    | Water meter, 100 mm                    | EA   | 3,680.00 | 1        | 7419             | :Water meter (including testing charges) 100 mm   |
| 9460.    | Water meter, 150 mm                    | EA   | 5,899.50 | 1        | 7420             | :Water meter (including testing charges) 150 mm   |
| 9470.    | Water meter, 200 mm                    | EA   | 6,210.00 | 1        | 7421             | :Water meter (including testing charges) 200 mm   |
| 9480.    | Dirt box strainer 80 mm                | EA   | 3,220.00 | 1        | 7422             | :Dirt box strainer 80 mm  |
|          |  |      |          |          |                  |   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 9490.    | Dirt box strainer 100 mm                | EA   | 5,290.00 | 1        | 7423              | :Dirt box strainer 100 mm  |
| 9500.    | Dirt box strainer 150 mm                | EA   | 6,727.50 | 1        | 7424              | :Dirt box strainer 150 mm  |
| 9510.    | Dirt box strainer 200 mm                | EA   | 9,349.50 | 1        | 7425              | :Dirt box strainer 200 mm  |
| 9520.    | Cat's eye                               | EA   | 100.05   | 1        | 7426              | :Cat's eye   |
| 9530.    | Water stops Serrated with central bulb  | M    | 247.25   | 1        | 7427              | :Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick) |
| 9540.    | Water stops Dumb bell with central bulb | M    | 198.95   | 1        | 7428              | :Water stops Dumb bell with central bulb                             |
| 9550.    | Kickers                                 | M    | 195.50   | 1        | 7429              | :Kickers   |
| 9560.    | Wedge expansion hold 1/4" or 6 mm       | EA   | 10.35    | 1        | 7430              | :Wedge expansion hold fastener 1/4" or 6 mm                          |
| 9570.    | Wedge expansion hold 3/8" or 10 mm      | EA   | 12.65    | 1        | 7431              | :Wedge expansion hold fastener 3/8" or 10 mm                         |
| 9580.    | Wedge expansion hold 1/2" or 12mm       | EA   | 29.90    | 1        | 7432              | :Wedge expansion hold fastener 1/2" or 12 mm                         |
| 9590.    | 8mm thick m/c cut edge Raj Nagar white  | M2   | 548.55   | 1        | 7439              | :8mm thick (mirror polished tiles machine cut edge) Raj Nagar white  |
| 9600.    | Wheel 75 mm dia. 40 mm wide             | EA   | 75.90    | 1        | 7442              | :Wheel 75 mm dia. 40 mm wide   |



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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 9610.    | Aluminium single cleat of size 30x32x3  | EA   | 17.25  | 1        | 7443              | :Aluminium single cleat of size 30x32x3   |
| 9620.    | Aluminium grip strip of size 50x12x2    | EA   | 13.80  | 1        | 7444              | :Aluminium grip strip of size 50x12x2   |
| 9630.    | 25 mm flush door both side decorative   | M2   | 990.15 | 1        | 7445              | :25 mm prelaminated flush door both side decorative   |
| 9640.    | Aluminium U beading                     | KG   | 253.00 | 1        | 7449              | :Aluminium U beading  |
| 9650.    | Glass sheet (Pin headed) 4 mm thick     | M2   | 428.95 | 1        | 7451              | :Glass sheet (Pin headed) 4 mm thick  |
| 9660.    | RNP white marble above 0.10 upto0.20sqm | M2   | 655.50 | 1        | 7452              | :Raj nagar plain white marble (table rubbed and polished) 18 mm thick above 0.10 sqm up to 0.20 sqm   |
| 9670.    | RNP white marble above 0.20upto0.50sqm  | M2   | 793.50 | 1        | 7453              | :Raj nagar plain white marble (table rubbed and polished) 18 mm thick above 0.20 sqm up to 0.50 sqm   |
| 9680.    | 2nd cl. deodar teak wood 30x12mm width  | M    | 25.30  | 1        | 7466              | :Second class deodar teak wood lipping 30 mm widthx12mm   |
| 9690.    | Veneered board on both sides 12mm thick | M2   | 586.50 | 1        | 7468              | :Veneered particle board with commercial veneering on both sides 12 mm thick  |
| 9700.    | Prelaminated board IS:12823, 12mm thick | M2   | 632.50 | 1        | 7477              | :Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade)12 mm thick |

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|----------|---|------|----------|----------|------------------|---|
| 9710.    | Prelaminated board IS:12823, 18mm thick | M2   | 678.50   | 1        | 7478             | :Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade)18 mm thick |
| 9720.    | Prelaminated board IS:12823, 25mm thick | M2   | 1,036.15 | 1        | 7479             | :Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade)25 mm thick |
| 9730.    | Prelaminated board IS:12823, 12mm thick | M2   | 614.10   | 1        | 7480             | :Prelaminated particle board with both sides decorative lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade)12 mm thick                        |
| 9740.    | Oxidised M.S. hinge nickel plating 50mm | M    | 49.45    | 1        | 7485             | :Oxidised M. S. hinges finished with nickel plating 50 mm (Over all   |
| 9750.    | Oxidised M.S. hinge nickel plating 65mm | M    | 65.55    | 1        | 7486             | :Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width) width)   |
| 9760.    | Prefix PTMT - Waste Coupling 31/32MM    | EA   | 40.25    | 1        | 7491             | :Prefix #PTMT# - Waste Coupling 31/32MM   |
| 9770.    | Prefix 'PTMT' - Waste Coupling 38/40MM  | EA   | 46.00    | 1        | 7492             | :Prefix #PTMT# - Waste Coupling 38/40MM   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 9780.    | Prefix 'PTMT' - Bottle Trap 31/32MM     | EA   | 243.80   | 1        | 7493             | :Prefix #PTMT# - Bottle Trap 31/32MM  |
| 9790.    | Prefix 'PTMT' - Bottle Trap 38/40MM     | EA   | 250.70   | 1        | 7494             | :Prefix #PTMT# - Bottle Trap 38/40MM  |
| 9800.    | P/fix PTMT-Ball Cock 15mm Road&HD Ball  | EA   | 90.85    | 1        | 7495             | :Prefix #PTMT# - Ball Cock 15mm Complete with Epoxy Coated Aluminium Road & H.D. Ball |
| 9810.    | P/fix PTMT-Ball Cock 20mm Road&HD Ball  | EA   | 138.00   | 1        | 7496             | :Prefix #PTMT# - Ball Cock 20mm Complete with Epoxy Coated Aluminium Road & H.D. Ball |
| 9820.    | P/fix PTMT-Ball Cock 25mm Road&HD Ball  | EA   | 339.25   | 1        | 7497             | :Prefix #PTMT# - Ball Cock 25mm Complete with Epoxy Coated Aluminium Road & H.D. Ball |
| 9830.    | P/fix PTMT-Ball Cock 40mm Road&HD Ball  | EA   | 511.75   | 1        | 7498             | :Prefix #PTMT# - Ball Cock 40mm Complete with Epoxy Coated Aluminium Road & H.D. Ball |
| 9840.    | P/fix PTMT-Ball Cock 50mm Road&HD Ball  | EA   | 1,028.10 | 1        | 7499             | :Prefix #PTMT# - Ball Cock 50mm Complete with Epoxy Coated Aluminium Road & H.D. Ball |
| 9850.    | P/fix PTMT-Angle Stop cock Flange 15mm  | EA   | 105.80   | 1        | 7500             | :Prefix #PTMT# - Angle Stop cock with Flange 15mm                                     |
| 9860.    | Prefix 'PTMT' - Swiveling shower 15mm   | EA   | 80.50    | 1        | 7501             | :Prefix #PTMT# - Swiveling shower 15mm  |
| 9870.    | Prefix PTMT-Liquid Soap of 400ml capcty | EA   | 118.45   | 1        | 7503             | :Prefix #PTMT# - Liquid Soap Container of 400ml capacity                              |
| 9880.    | Prefix PTMT-Towel Ring                  | EA   | 134.55   | 1        | 7504             | :Prefix #PTMT# - Towel Ring 215xd200x37mm   |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description                             |
|----------|--|------|--------|----------|-------------------|--|
|          | 215xd200x37mm                          |      |        |          |                   |  |
| 9890.    | Prefix 'PTMT' - Towel Rail (450MM)     | EA   | 151.80 | 1        | 7505              | :Prefix #PTMT# - Towel Rail (450MM)            |
| 9900.    | Prefix PTMT - Towel Rail (600MM)       | EA   | 180.55 | 1        | 7506              | :Prefix #PTMT# - Towel Rail (600MM)            |
| 9910.    | Prefix PTMT - Shelf 450x124x36mm       | EA   | 184.00 | 1        | 7507              | :Prefix #PTMT# - Shelf 450x124x36mm            |
| 9920.    | Prefix PTMT- Urinal Spreader 15MM      | EA   | 69.00  | 1        | 7508              | :Prefix #PTMT# - Urinal Spreader 15MM          |
| 9930.    | P/f PTMT Soap Dish/Holder 138x102x75mm | EA   | 72.45  | 1        | 7509              | :Prefix #PTMT# - Soap Dish/Holder 138x102x75mm |
| 9940.    | PTMT handle 125x34x24mm                | EA   | 26.45  | 1        | 7512              | :PTMT handle 125x34x24mm                       |
| 9950.    | PTMT handle 150x34x24mm                | EA   | 25.30  | 1        | 7513              | :PTMT handle 150x34x24mm                       |
| 9960.    | PTMT butt hinges 75x60x10mm            | EA   | 36.80  | 1        | 7514              | :PTMT butt hinges 75x60x10mm                   |
| 9970.    | PTMT butt hinges 100x75x10mm           | EA   | 44.85  | 1        | 7515              | :PTMT butt hinges 100x75x10mm                  |
| 9980.    | PTMT Tower bolt 152x42x18mm            | EA   | 44.85  | 1        | 7516              | :PTMT Tower bolt 152x42x18mm                   |
| 9990.    | PTMT Tower bolt 202x42x18mm            | EA   | 71.30  | 1        | 7517              | :PTMT Tower bolt 202x42x18mm                   |
| 10000.   | PTMT door catcher 72x42mm              | EA   | 27.60  | 1        | 7518              | :PTMT door catcher 72x42mm                     |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---------------------------------------|------|----------|----------|------------------|--|
| 10010.   | Coir veneered board 4mm thick         | M2   | 315.10   | 1        | 7552             | :Coir veneered board 4mm thick                                     |
| 10020.   | Coir veneered board 6mm thick         | M2   | 423.20   | 1        | 7553             | :Coir veneered board 6mm thick                                     |
| 10030.   | Coir veneered board 12mm thick        | M2   | 747.50   | 1        | 7555             | :Coir veneered board 12mm thick                                    |
| 10040.   | Coir veneered board 18mm thick        | M2   | 1,127.00 | 1        | 7556             | :Coir veneered board 18mm thick                                    |
| 10050.   | Ductile Iron, pipe IS. 8329-100mm dia | M    | 1,035.00 | 1        | 7651             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100mm dia   |
| 10060.   | Ductile Iron, pipe IS. 8329-150mm dia | M    | 1,408.75 | 1        | 7652             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150mm dia   |
| 10070.   | Ductile Iron, pipe IS. 8329-200mm dia | M    | 1,897.50 | 1        | 7653             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200mm dia   |
| 10080.   | Ductile Iron, pipe IS. 8329-250mm dia | M    | 2,702.50 | 1        | 7654             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250mm dia |
| 10090.   | Ductile Iron, pipe IS. 8329-300mm dia | M    | 3,335.00 | 1        | 7655             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300mm dia |
| 10100.   | Ductile Iron, pipe IS. 8329-350mm dia | M    | 4,140.00 | 1        | 7656             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350mm dia |

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| Item No. | Description                            | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-----------|----------|------------------|---|
| 10110.   | Ductile Iron, pipe IS. 8329-400mm dia  | M    | 5,255.50  | 1        | 7657             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400mm dia  |
| 10120.   | Ductile Iron, pipe IS. 8329-450mm dia  | M    | 6,123.75  | 1        | 7658             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450mm dia  |
| 10130.   | Ductile Iron, pipe IS. 8329-500mm dia  | M    | 7,446.25  | 1        | 7659             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500mm dia  |
| 10140.   | Ductile Iron, pipe IS. 8329-600mm dia  | M    | 10,005.00 | 1        | 7660             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600mm dia  |
| 10150.   | Ductile Iron, pipe IS. 8329-700mm dia  | M    | 13,455.00 | 1        | 7661             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700mm dia  |
| 10160.   | Ductile Iron, pipe IS. 8329-750mm dia  | M    | 14,300.25 | 1        | 7662             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750mm dia  |
| 10170.   | Ductile Iron, pipe IS. 8329-800mm dia  | M    | 14,490.00 | 1        | 7663             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800mm dia  |
| 10180.   | Ductile Iron, pipe IS. 8329-900mm dia  | M    | 17,784.75 | 1        | 7664             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900mm dia  |
| 10190.   | Ductile Iron, pipe IS. 8329-1000mm dia | M    | 19,205.00 | 1        | 7665             | :Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000mm dia |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|--------|----------|------------------|---|
| 10200.   | Rubber Gaskets, S.B.R qlty. 100mm dia | EA   | 40.25  | 1        | 7666             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100mm dia |
| 10210.   | Rubber Gaskets, S.B.R qlty. 150mm dia | EA   | 46.00  | 1        | 7668             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia |
| 10220.   | Rubber Gaskets, S.B.R qlty. 200mm dia | EA   | 80.50  | 1        | 7669             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia |
| 10230.   | Rubber Gaskets, S.B.R qlty. 250mm dia | EA   | 92.00  | 1        | 7670             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia |
| 10240.   | Rubber Gaskets, S.B.R qlty. 300mm dia | EA   | 132.25 | 1        | 7671             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300mm dia |
| 10250.   | Rubber Gaskets, S.B.R qlty. 350mm dia | EA   | 143.75 | 1        | 7672             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350mm dia |
| 10260.   | Rubber Gaskets, S.B.R qlty. 400mm dia | EA   | 270.25 | 1        | 7673             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400mm dia |
| 10270.   | Rubber Gaskets, S.B.R qlty. 450mm dia | EA   | 333.50 | 1        | 7674             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450mm dia |
| 10280.   | Rubber Gaskets, S.B.R qlty.           | EA   | 356.50 | 1        | 7675             | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality           |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
|          | 500mm dia                                |      |           |          |                   | 500mm dia  |
| 10290.   | Rubber Gaskets, S.B.R qlty. 600mm dia    | EA   | 500.25    | 1        | 7676              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600mm dia            |
| 10300.   | Rubber Gaskets, S.B.R qlty. 700mm dia    | EA   | 707.25    | 1        | 7677              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700mm dia            |
| 10310.   | Rubber Gaskets, S.B.R qlty. 750mm dia    | EA   | 805.00    | 1        | 7678              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750mm dia            |
| 10320.   | Rubber Gaskets, S.B.R qlty. 800mm dia    | EA   | 868.25    | 1        | 7679              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800mm dia            |
| 10330.   | Rubber Gaskets, S.B.R qlty. 900mm dia    | EA   | 1,138.50  | 1        | 7680              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900mm dia            |
| 10340.   | Rubber Gaskets, S.B.R qlty. 1000mm dia   | EA   | 1,299.50  | 1        | 7681              | :Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000mm dia           |
| 10350.   | Ductile Iron K-12, joint up to 600mmdia. | QTL  | 15,640.00 | 1        | 7682              | :Ductile Iron K - 12 specials suitable for push on jointing up to 600mm dia. |
| 10360.   | Ductile Iron K-12, joint over 600mm dia. | QTL  | 21,045.00 | 1        | 7683              | :Ductile Iron K - 12 specials suitable for push on jointing over 600mm dia.  |



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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-----------|----------|-------------------|--|
| 10370.   | Ductile Ir. IS 9523-up to 600mm dia     | QTL  | 16,675.00 | 1        | 7684              | :Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600mm dia |
| 10380.   | Ductile Ir. joint IS 9523 over 600mmdia | QTL  | 22,425.00 | 1        | 7685              | :Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600mm dia    |
| 10390.   | Ductile Iron Pipe flang/weld 100mm dia  | M    | 1,408.75  | 1        | 7686              | :Ductile Iron Pipe Class K-9 flanges and welding 100mm dia                                 |
| 10400.   | Ductile Iron Pipe flang/weld 150mm dia  | M    | 2,012.50  | 1        | 7687              | :Ductile Iron Pipe Class K-9 flanges and welding 150 dia                                   |
| 10410.   | Ductile Iron Pipe flang/weld 200mm dia  | M    | 2,587.50  | 1        | 7688              | :Ductile Iron Pipe Class K-9 flanges and welding 200mm dia                                 |
| 10420.   | Ductile Iron Pipe flang/weld 250mm dia  | M    | 3,622.50  | 1        | 7689              | :Ductile Iron Pipe Class K-9 flanges and welding 250mm dia                                 |
| 10430.   | Ductile Iron Pipe flang/weld 300mm dia  | M    | 4,542.50  | 1        | 7690              | :Ductile Iron Pipe Class K-9 flanges and welding 300mm dia                                 |
| 10440.   | Ductile Iron Pipe flang/weld 350mm dia  | M    | 5,836.25  | 1        | 7691              | :Ductile Iron Pipe Class K-9 flanges and welding 350mm dia                                 |
| 10450.   | Ductile Iron Pipe flang/weld 400mm dia  | M    | 7,561.25  | 1        | 7692              | :Ductile Iron Pipe Class K-9 flanges and welding 400mm dia                                 |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|-----------|----------|------------------|--|
| 10460.   | Ductile Iron Pipe flang/weld 450mm dia  | M    | 7,820.00  | 1        | 7693             | :Ductile Iron Pipe Class K-9 flanges and welding 450mm dia |
| 10470.   | Ductile Iron Pipe flang/weld 500mm dia  | M    | 12,075.00 | 1        | 7694             | :Ductile Iron Pipe Class K-9 flanges and welding 500mm dia |
| 10480.   | Ductile Iron Pipe flang/weld 600mm dia  | M    | 15,525.00 | 1        | 7695             | :Ductile Iron Pipe Class K-9 flanges and welding 600mm dia |
| 10490.   | Ductile Iron Pipe flang/weld 700mm dia  | M    | 17,710.00 | 1        | 7696             | :Ductile Iron Pipe Class K-9 flanges and welding 700mm dia |
| 10500.   | S&S Cent/f C.I. Pipe class LA 100mm dia | M    | 1,092.50  | 1        | 7697             | :S&S Centrifugally (Spun) C.I. Pipe class LA 100mm dia     |
| 10510.   | S&S Cent/f C.I. Pipe class LA 125mm dia | M    | 1,322.50  | 1        | 7698             | :S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia     |
| 10520.   | S&S Cent/f C.I. Pipe class LA 150mm dia | M    | 1,552.50  | 1        | 7699             | :S&S Centrifugally (Spun) C.I. Pipe class LA 150mm dia     |
| 10530.   | S&S Cent/f C.I. Pipe class LA 200mm dia | M    | 2,616.25  | 1        | 7700             | :S&S Centrifugally (Spun) C.I. Pipe class LA 200mm dia     |
| 10540.   | S&S Cent/f C.I. Pipe class LA 250mm dia | M    | 3,565.00  | 1        | 7701             | :S&S Centrifugally (Spun) C.I. Pipe class LA 250mm dia     |
| 10550.   | S&S Cent/f C.I. Pipe class LA 300mm dia | M    | 4,715.00  | 1        | 7702             | :S&S Centrifugally (Spun) C.I. Pipe class LA 300mm dia     |
| 10560.   | S&S Cent/f C.I. Pipe class LA 350mm dia | M    | 5,635.00  | 1        | 7703             | :S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia     |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-----------|----------|-------------------|--|
| 10570.   | S&S Cent/f C.I. Pipe class LA 400mm dia | M    | 7,475.00  | 1        | 7704              | :S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia   |
| 10580.   | S&S Cent/f C.I. Pipe class LA 450mm dia | M    | 9,027.50  | 1        | 7705              | :S&S Centrifugally (Spun) C.I. Pipe class LA 450mm dia   |
| 10590.   | S&S Cent/f C.I. Pipe class LA 500mm dia | M    | 10,580.00 | 1        | 7706              | :S&S Centrifugally (Spun) C.I. Pipe class LA 500mm dia   |
| 10600.   | S&S Cent/f C.I. Pipe class LA 600mm dia | M    | 14,375.00 | 1        | 7707              | :S&S Centrifugally (Spun) C.I. Pipe class LA 600mm dia   |
| 10610.   | S&S Cent/f Pipe IS 1538 up to 300mm dia | QTL  | 6,440.00  | 1        | 7708              | :S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300mm dia       |
| 10620.   | S&S Cent/f Pipe IS 1538, over 300mm dia | QTL  | 7,676.25  | 1        | 7709              | :S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300mm dia        |
| 10630.   | S&S Cent/f Pipe IS.13382 upto 300mmdia  | QTL  | 10,591.50 | 1        | 7710              | :S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300mm dia |
| 10640.   | S&SCent/f C.I. Pipe 13382 over 300mmdia | QTL  | 11,212.50 | 1        | 7711              | :S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300mm dia    |
| 10650.   | Scr. Double flange Pipe-1536-100mm dia. | M    | 1,610.00  | 1        | 7712              | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100mm dia  |
| 10660.   | Scr. Double flange Pipe-1536-200mm dia. | M    | 2,472.50  | 1        | 7713              | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200mm dia  |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-----------|----------|------------------|---|
| 10670.   | Scr. Double flange Pipe-1536-200mm dia. | M    | 3,852.50  | 1        | 7714             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200mm dia |
| 10680.   | Scr. Double flange Pipe-1536-250mm dia. | M    | 4,784.00  | 1        | 7715             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250mm dia |
| 10690.   | Scr. Double flange Pipe-1536-300mm dia. | M    | 6,221.50  | 1        | 7716             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300mm dia |
| 10700.   | Scr. Double flange Pipe-1536-350mm dia. | M    | 7,762.50  | 1        | 7717             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350mm dia |
| 10710.   | Scr. Double flange Pipe-1536-400mm dia. | M    | 10,131.50 | 1        | 7718             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400mm dia |
| 10720.   | Scr. Double flange Pipe-1536-450mm dia. | M    | 12,966.25 | 1        | 7719             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450mm dia |
| 10730.   | Scr. Double flange Pipe-1536-500mm dia. | M    | 16,790.00 | 1        | 7720             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500mm dia |
| 10740.   | Scr. Double flange Pipe-1536-600mm dia. | M    | 21,275.00 | 1        | 7721             | :Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600mm dia |
| 10750.   | Ductile Iron, pipe I.S. 8329-100mm dia  | M    | 971.75    | 1        | 7722             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100mm dia   |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 10760.   | Ductile Iron, pipe I.S. 8329-150mm dia | M    | 1,380.00 | 1        | 7723             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150mm dia |
| 10770.   | Ductile Iron, pipe I.S. 8329-200mm dia | M    | 1,794.00 | 1        | 7724             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200mm dia |
| 10780.   | Ductile Iron, pipe I.S. 8329-250mm dia | M    | 2,213.75 | 1        | 7725             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250mm dia |
| 10790.   | Ductile Iron, pipe I.S. 8329-300mm dia | M    | 2,702.50 | 1        | 7726             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300mm dia |
| 10800.   | Ductile Iron, pipe I.S. 8329-400mm dia | M    | 3,191.25 | 1        | 7727             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350mm dia |
| 10810.   | Ductile Iron, pipe I.S. 8329-400mm dia | M    | 3,881.25 | 1        | 7728             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400mm dia |
| 10820.   | Ductile Iron pipe I.S. 8329-450mm dia  | M    | 4,715.00 | 1        | 7729             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450mm dia |
| 10830.   | Ductile Iron, pipe I.S. 8329-500mm dia | M    | 5,175.00 | 1        | 7730             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500mm dia |
| 10840.   | Ductile Iron pipe I.S. 8329-600mm      | M    | 6,842.50 | 1        | 7731             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 -           |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-----------|----------|------------------|---|
|          | dia                                      |      |           |          |                  | 600mm dia   |
| 10850.   | Ductile Iron, pipe I.S. 8329-700mm dia   | M    | 8,797.50  | 1        | 7732             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700mm dia       |
| 10860.   | Ductile Iron, pipe I.S. 8329 - 800mm dia | M    | 11,097.50 | 1        | 7733             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800mm dia       |
| 10870.   | Ductile Iron, pipe, I.S. 8329-900mm dia  | M    | 14,317.50 | 1        | 7734             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900mm dia       |
| 10880.   | Ductile Iron, pipe-I.S.8329-1000mm dia   | M    | 15,065.00 | 1        | 7735             | :Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000mm dia      |
| 10890.   | Extruded burnt, bricks I.S 4885-1988     | NO   |           | 1        | 7736             | :Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988  |
| 10900.   | FALG Bricks conforming I.S.12894-1989    | NO   |           | 1        | 7737             | :Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894-1989        |
| 10910.   | Cal.C. Bricks m/c moulded I.S.4139-1989  | NO   |           | 1        | 7738             | :Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989 |
| 10920.   | Modified Bitumen Refinery CRMB - 55      | TO   | 38,065.00 | 1        | 7739             | :Modified Bitumen Refinery produced CRMB - 55                           |
| 10930.   | Modified Bitumen Refinery                | TO   | 38,237.50 | 1        | 7741             | :Modified Bitumen Refinery produced CRMB - 60                           |

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| Item No. | Description                               | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-----------|----------|------------------|---|
|          | CRMB-60                                   |      |           |          |                  |   |
| 10940.   | Bitumen emulsion<br>M.S.IS:8887-1995tonne | TO   | 38,559.50 | 1        | 7742             | :Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 tonne  |
| 10950.   | Ceramic Glazed Tiles except burgundy..    | M2   | 258.75    | 1        | 7800             | :Ceramic Glazed Tiles Ist quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black                |
| 10960.   | Ceramic Glazed Tiles White, Ivory..       | M2   | 230.00    | 1        | 7801             | :Ceramic Glazed Tiles Ist quality 300 x 300mm in all shades and designs of White, Ivory, grey, Fume Red brown etc.                            |
| 10970.   | Ceramic Glazed Tiles,except White,Ivory   | M2   | 402.50    | 1        | 7802             | :Ceramic Glazed Tiles Ist quality 300 x 300 in all shades designs except White, Ivory, Grey, Fume Red Brown etc.                              |
| 10980.   | Prefix Rectified-Tiles White, Ivory       | M2   | 431.25    | 1        | 7803             | :Prefix #Rectified# - Ceramic Glazed Tiles Ist quality 300 x 300 or more in all shades designs White, Ivory, Grey, Fume Red Brown etc.        |
| 10990.   | P/F Rectified- Tiles except White, Ivory  | M2   | 517.50    | 1        | 7804             | :Prefix #Rectified# - Ceramic Glazed Tiles Ist quality 300 x 300 or more in all shades designs except White, Ivory, Grey, Fume Red Brown etc. |
| 11000.   | S.S.S Orrisa patn. W.C.<br>pan724X578mm   | EA   | 5,290.00  | 1        | 7805             | :Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724mm X 578mm  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 11010.   | Salem Stainless S. Round basin 405X355mm | EA   | 1,897.50 | 1        | 7806             | :Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355mm          |
| 11020.   | Salem Stainless S. Wash basin 530X345mm  | EA   | 2,472.50 | 1        | 7807             | :Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345mm each      |
| 11030.   | Cent/f C.I. S&S 100 inlet&100mm outlet   | EA   | 632.50   | 1        | 7808             | :Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet          |
| 11040.   | Cent/f C.I. S&S 100 inlet & 75mm outlet  | EA   | 615.25   | 1        | 7809             | :Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet           |
| 11050.   | Agaria White marble slab plain 18mm th.  | EA   | 1,265.00 | 1        | 7850             | :Agaria White marble slab plain 18mm thick                                  |
| 11060.   | P.T.M.T. Grating square slit 150mm       | EA   | 57.50    | 1        | 7857             |   |
| 11070.   | P.T.M.T. Urinal cock 15mm dia            | EA   | 120.75   | 1        | 7858             |   |
| 11080.   | P.T.M.T. Bib cock with nozzle 15mm       | EA   | 138.00   | 1        | 7859             |   |
| 11090.   | P.T.M.T. Stop cock (concealed) 15mm      | EA   | 155.25   | 1        | 7861             |   |
| 11100.   | 15mm nominal & 30cm L. PVC pipe          | EA   | 46.00    | 1        | 7862             | :15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts |
| 11110.   | 15mm nominal bore & 45 cm L. PVC pipe.   | EA   | 63.25    | 1        | 7863             | :15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts |



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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 11120.   | P.T.M.T. extension nipple 15mm          | EA   | 34.50    | 1        | 7864             |  |
| 11130.   | P.T.M.T. extension nipple 20mm          | EA   | 66.70    | 1        | 7865             |  |
| 11140.   | P.T.M.T. extension nipple 25mm          | EA   | 82.80    | 1        | 7866             |  |
| 11150.   | Modular bricks of class designation 75  | NO   |          | 1        | 7900             |  |
| 11160.   | M/C moulded Perfo FPS bricks-class 125  | NO   |          | 1        | 7901             | :Machine moulded perforated FPS bricks of class designation 125  |
| 11170.   | M/C moulded Perfo bricks-class 125      | NO   |          | 1        | 7902             | :Machine moulded modular perforated bricks of class designation 125  |
| 11180.   | M/C moulded FPS bricks ,class Dgn- 125  | NO   |          | 1        | 7903             | :Machine moulded FPS bricks of class designation 125   |
| 11190.   | M/C moulded tile bricks ,class Dgn- 125 | NO   | 5,980.00 | 1,000    | 7904             | :Machine moulded tile bricks of class designation 125  |
| 11200.   | 24 mm Factory made shutters with frame  | M2   | 2,070.00 | 1        | 8001             | :24 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish |
| 11210.   | 30 mm Factory made shutters with frame  | M2   | 2,300.00 | 1        | 8002             | :30 mm thick Factory made shutters with frame, rails and panels of PVC extruded sections in white, grey or wooden finish |
| 11220.   | Factory made PVC rigid foam Shutters    | M2   | 2,198.80 | 1        | 8003             | :Factory made PVC rigid foam paneled shutter i/c carriage  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 11230.   | Factory made PVC rigid foam Shutters IS | M2   | 2,587.50 | 1        | 8004             | :Factory made PVC rigid foam paneled shutter as per IS : 4020 i/c carriage                                |
| 11240.   | Factory made PVC rigid foam sheet 1mm   | M2   | 189.75   | 1        | 8006             | :Factory made PVC rigid foam sheet 1mm thick  |
| 11250.   | Factory made PVC rigid foam sheet 5mm   | M2   | 609.50   | 1        | 8007             | :Factory made PVC rigid foam sheet 5mm thick  |
| 11260.   | Factory made prelam. PVC rigid Sheet    | M2   | 1,177.60 | 1        | 8008             | :Factory made prelaminated PVC rigid foam sheet 5mm thick   |
| 11270.   | 48mmX40mmX1.5mm tk,door frame of PVC    | M    | 161.00   | 1        | 8010             | :48mmX40mmX1.5mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish . |
| 11280.   | Factory made door frame PVC             | M    | 339.25   | 1        | 8011             | :Factory made door frame PVC extruded sheet i/c carriage  |
| 11290.   | Adhesive solvent cement                 | KG   | 172.50   | 1        | 8012             |   |
| 11300.   | Powder coated hinges 100mm X58mmX1.9mm  | NO   | 166.75   | 10       | 8100             | :Powder coated M.S. butt hinges 100mm X58mmX1.9mm   |
| 11310.   | A.P.P. modified polymeric 1.5 mm thick  | M2   | 103.50   | 1        | 8200             | :A.P.P. modified polymeric felt (two layers) 1.5 mm thick   |
| 11320.   | A.P.P. modified polymeric 2 mm thick    | M2   | 149.50   | 1        | 8201             | :A.P.P. modified polymeric felt (two layers) 2 mm thick   |
| 11330.   | A.P.P.modifie 2mm with glass fibre matt | M2   | 138.00   | 1        | 8203             | :A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt                                     |
| 11340.   | A.P.P. Modifie 3mm with glass fibre     | M2   | 166.75   | 1        | 8204             | :A.P.P. modified 3 mm thick membrane reinforced   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | with glass fibre  |
| 11350.   | A.P.P. modified 3 mm with polyester matt | M2   | 184.00 | 1        | 8205              | :A.P.P. modified 3 mm thick membrane reinforced with polyester matt |
| 11360.   | Bitumen primer for bitumen membrane      | L    | 109.25 | 1        | 8206              |   |
| 11370.   | Geotextile 120 gsm membrane              | M2   | 31.05  | 1        | 8207              |   |
| 11380.   | Stainless steel screws 50 mm             | NO   | 368.00 | 100      | 8210              |   |
| 11390.   | Stainless steel screws 40 mm             | NO   | 310.50 | 100      | 8211              |   |
| 11400.   | Stainless steel screws 30 mm             | NO   | 293.25 | 100      | 8212              |   |
| 11410.   | Stainless steel screws 20 mm             | NO   | 201.25 | 100      | 8214              |   |
| 11420.   | Stainless steel butt hinges 125x64x1.9mm | NO   | 446.20 | 10       | 8215              | :Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked        |
| 11430.   | Stainless steel butt hinges 100x58x1.9mm | NO   | 402.50 | 10       | 8216              | :Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked        |
| 11440.   | Stainless steel butt hinges 75x47x1.8mm  | NO   | 258.75 | 10       | 8217              | :Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked         |
| 11450.   | Stainless steel butt hinges 50x37x1.5mm  | NO   | 195.50 | 10       | 8218              | :Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked         |
| 11460.   | Stainless steel butt                     | NO   | 540.50 | 10       | 8219              | :Stainless steel butt hinges (heavy weight) 125x64x2.5              |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          | hinges125x64x2.5mm                       |      |        |          |                   | mm IS : 12817 marked  |
| 11470.   | Stainless steel butt hinges 100x60x2.5mm | NO   | 396.75 | 10       | 8220              | :Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked |
| 11480.   | Stainless steel butt hinges 75x50x2.5 mm | NO   | 333.50 | 10       | 8221              | :Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked  |
| 11490.   | M.S. heavy w. but hinges 125x90x4.0mm    | NO   | 287.50 | 10       | 8222              | :M.S. heavy weight but hinges 125x90x4.0mm IS : 1341 marked.                |
| 11500.   | M.S. heavy w. butt hinges 100x75x3.5 mm  | NO   | 230.00 | 10       | 8223              | :M.S. heavy weight butt hinges 100x75x3.5 mm IS: 1341 marked                |
| 11510.   | M.S. heavy w. butt hinges 75x60x3.1 mm   | NO   | 143.75 | 10       | 8224              | :M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked                 |
| 11520.   | M.S. heavy, w. butt hinges 50x40x2.5 mm  | NO   | 126.50 | 10       | 8225              | :M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked                |
| 11530.   | 1216 mm PE-AL-PE Composite p. pipe       | M    | 60.95  | 1        | 8300              | :1216 mm PE-AL-PE Composite pressure pipe                                   |
| 11540.   | 1620 mm PE-AL-PE Composite p. pipe       | M    | 77.05  | 1        | 8301              | :1620 mm PE-AL-PE Composite pressure pipe                                   |
| 11550.   | 2025 mm PE-AL-PE Composite p. pipe       | M    | 109.25 | 1        | 8302              | :2025 mm PE-AL-PE Composite pressure pipe                                   |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 11560.   | 2532 mm PE-AL-PE Composite p. pipe     | M    | 167.90 | 1        | 8303             | :2532 mm PE-AL-PE Composite pressure pipe                 |
| 11570.   | 3240 mm PE-AL-PE Composite p. pipe     | M    | 218.50 | 1        | 8304             | :3240 mm PE-AL-PE Composite pressure pipe                 |
| 11580.   | 4050 mm PE-AL-PE Composite p. pipe     | M    | 377.20 | 1        | 8305             | :4050 mm PE-AL-PE Composite pressure pipe                 |
| 11590.   | Polymer modified cementation coating   | KG   | 195.50 | 1        | 8501             |   |
| 11600.   | Fibre glass cloth                      | M2   | 40.25  | 1        | 8502             |   |
| 11610.   | Multi surface paint                    | L    | 402.50 | 1        | 8504             |   |
| 11620.   | Acrylic exterior paint                 | L    | 195.50 | 1        | 8505             |   |
| 11630.   | Premium Acrylic exterior paint         | L    | 287.50 | 1        | 8506             |   |
| 11640.   | Textured exterior paint                | L    | 212.75 | 1        | 8507             |   |
| 11650.   | Primer for cement paint                | L    | 115.00 | 1        | 8508             |   |
| 11660.   | Special Primer (C.W.)                  | L    | 207.00 | 1        | 8509             |   |
| 11670.   | Metal Primer (U.G.)                    | L    | 138.00 | 1        | 8510             |   |
| 11680.   | Main T ceiling sections 24x38x0.3 mm   | EA   | 162.15 | 1        | 8611             | :Main T ceiling sections 24x38x0.3 mm (3 metre long)      |
| 11690.   | Perimeter wall angle 21x21 mm x 0.3 mm | EA   | 100.05 | 1        | 8612             | :Perimeter wall angle 21x21 mm x 0.3 mm (3 metre long)    |
| 11700.   | T-Section 24x25x0.3 mm (1.2 mtr long)  | EA   | 50.60  | 1        | 8613             | :Intermediate cross T-Section 24x25x0.3 mm (1.2 mtr long) |
| 11710.   | T-Section (0.6 mtr. long)              | EA   | 25.30  | 1        | 8614             | :Intermediate cross T-Section 24x25x0.3mm (0.6 mtr. long) |

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| Item No. | Description                          | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--------------------------------------|------|----------|----------|------------------|--|
| 11720.   | Hanger rod 0.5 mm thick              | EA   | 12.65    | 1        | 8615             |  |
| 11730.   | Adjustment clip                      | EA   | 8.05     | 1        | 8616             |  |
| 11740.   | Soffit cleat                         | EA   | 6.90     | 1        | 8617             |  |
| 11750.   | Dash fastener 6 mm dia 50 mm long    | EA   | 14.95    | 1        | 8618             |  |
| 11760.   | Vitrified floor tile 50x50 cm        | M2   | 609.50   | 1        | 8620             |  |
| 11770.   | Vitrified floor tile 60x60 cm        | M2   | 632.50   | 1        | 8621             |  |
| 11780.   | Vitrified floor tile 80x80 cm        | M2   | 897.00   | 1        | 8622             |  |
| 11790.   | Vitrified floor tile 100x100 cm      | M2   | 1,058.00 | 1        | 8623             |  |
| 11800.   | PPR pipes SDR 7.4 - 16 Outer dia     | M    |          | 1        | 8625             | :Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 Outer dia                    |
| 11810.   | PPR pipes SDR 7.4 -20mm              | M    | 40.25    | 1        | 8626             | :Poly propylene - Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia.20mm Outer dia. |
| 11820.   | PPR pipes SDR 7.4 - 25 mm outer dia. | M    | 57.50    | 1        | 8627             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia.               |
| 11830.   | PPR pipes SDR 7.4 - 32 mm Outer dia. | M    | 92.00    | 1        | 8628             | :Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia.                |
| 11840.   | PPR pipes SDR 7.4 - 40mm Outer dia.  | M    | 149.50   | 1        | 8629             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 40mm Outer dia.                |

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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|----------|----------|------------------|---|
| 11850.   | PPR pipes SDR 7.4 - 50mm Outer dia.   | M    | 173.65   | 1        | 8630             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 50mm Outer dia.   |
| 11860.   | PPR pipes SDR 7.4 - 63mm Outer dia.   | M    | 241.50   | 1        | 8631             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 63mm Outer dia.   |
| 11870.   | PPR pipes SDR 7.4 - 75mm Outer dia.   | M    | 308.20   | 1        | 8632             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 75mm Outer dia.   |
| 11880.   | PPR pipes SDR 7.4 - 90mm Outer dia.   | M    | 443.90   | 1        | 8633             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 90mm Outer dia.   |
| 11890.   | PPR pipes SDR - 11 - 110mm Outer dia. | M    | 663.55   | 1        | 8634             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11 - 110mm Outer dia. |
| 11900.   | PPR pipes SDR - 11- 160mm Outer dia.  | M    | 1,522.60 | 1        | 8635             | :Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11- 160mm Outer dia.  |
| 11910.   | CPVC pipe 15 mm outer dia.            | M    | 49.45    | 1        | 8636             | :Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia.                  |
| 11920.   | CPVC pipe 20 mm outer dia.            | M    | 67.85    | 1        | 8637             | :Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia.                  |
| 11930.   | CPVC pipe 25 mm outer dia.            | M    | 109.25   | 1        | 8638             | :Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia.                  |

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| Item No. | Description                       | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|-----------------------------------|------|----------|----------|-------------------|---|
| 11940.   | CPVC pipe 32 mm outer dia.        | M    | 161.00   | 1        | 8639              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia.  |
| 11950.   | CPVC pipe 40 mm outer dia.        | M    | 230.00   | 1        | 8640              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia.  |
| 11960.   | CPVC pipe 50 mm outer dia.        | M    | 373.75   | 1        | 8641              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia.  |
| 11970.   | CPVC pipe 62.5mm inner dia.       | M    | 892.40   | 1        | 8642              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5mm inner dia. |
| 11980.   | CPVC pipe 75 mm inner dia.        | M    | 1,198.30 | 1        | 8643              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia.  |
| 11990.   | CPVC pipe 100 mm inner dia.       | M    | 1,837.70 | 1        | 8644              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia. |
| 12000.   | CPVC pipe 150 mm inner dia.       | M    | 3,939.90 | 1        | 8645              | :Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia. |
| 12010.   | Silicon sealant.                  | NO   | 143.75   | 1        | 8646              | Silicon sealant.(Rate: per Cartridge )                          |
| 12020.   | Stainless steel screws 30mm x4mm. | NO   | 48.30    | 100      | 8647              |   |
| 12030.   | Hermetically sealed double glazed | M2   | 2,990.00 | 1        | 8648              | :Hermetically sealed double glazed unit made with 6mm           |



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|----------|---|------|-----------|----------|------------------|---|
|          |   |      |           |          |                  | thick clear float glass both side having 12 mm air gap.                     |
| 12040.   | Stainless steel, window stay. 205x19mm  | EA   | 250.70    | 1        | 8649             | :Stainless steel (SS 304 grade) adjustable friction window stay. 205 x 19mm |
| 12050.   | Stainless steel window stay 255 x 19mm  | EA   | 285.20    | 1        | 8650             | :Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19mm  |
| 12060.   | Stainless steel window stay. 355 x 19mm | EA   | 235.75    | 1        | 8651             | :Stainless steel (SS 304 grade) adjustable friction window stay. 355 x 19mm |
| 12070.   | Stainless steel friction stay 510x19mm  | EA   | 621.00    | 1        | 8652             | :Stainless steel (SS 304 grade) adjustable friction window stay. 510 x 19mm |
| 12080.   | Stainless steel, window stay 710x19mm   | EA   | 1,167.25  | 1        | 8653             | :Stainless steel (SS 304 grade) adjustable friction window stay. 710 x 19mm |
| 12090.   | Masking tape.                           | M    | 2.30      | 1        | 8654             |   |
| 12100.   | Autoclaved aerated cement (AAC) blocks. | M3   | 3,352.25  | 1        | 8655             |   |
| 12110.   | Gypsum panel 666 X 500 X 100 mm size.   | M2   | 607.20    | 1        | 8656             |   |
| 12120.   | Bonding plaster for Gypsum panel.       | KG   | 32.20     | 1        | 8657             |   |
| 12130.   | Precast C&D waste concrete block        | NO   | 34,615.00 | 1,000    | 8658             | Precast C&D waste concrete block  |
| 12140.   | Water proof ply 12mm thick.             | M2   | 664.70    | 1        | 8659             |   |
|          |   |      |           |          |                  |   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 12150.   | Aluminium casement, (Anodised AC 15 )    | EA   | 63.25  | 1        | 8660              | :Aluminium casement window fastener (Anodised AC 15 )          |
| 12160.   | Aluminium casement (powder coated )      | EA   | 70.15  | 1        | 8661              | :Aluminium casement window fastener (powder coated ).          |
| 12170.   | Aluminium C. , (polyester powder coated) | EA   | 67.85  | 1        | 8662              | :Aluminium casement window fastener (polyester powder coated). |
| 12180.   | Aluminium round (anodised AC 15)         | EA   | 78.20  | 1        | 8663              | :Aluminium round shape handle (anodised AC 15)                 |
| 12190.   | Aluminium round (powder coated)          | EA   | 79.35  | 1        | 8664              | :Aluminium round shape handle (powder coated)                  |
| 12200.   | Aluminium round, polyester powder coated | EA   | 81.65  | 1        | 8665              | :Aluminium round shape handle (polyester powder coated).       |
| 12210.   | Stainless steel screws 25mm x4mm         | NO   | 52.90  | 100      | 8666              |  |
| 12220.   | UV stabilised 2 mm thick plain FRP S.    | M2   | 579.60 | 1        | 8667              | :UV stabilised 2 mm thick plain FRP sheet .                    |
| 12230.   | UV stabilised 2 mm thick corrugated FRP  | M2   | 676.20 | 1        | 8668              | :UV stabilised 2 mm thick corrugated FRP sheet .               |
| 12240.   | Mangalore ridge tiles 20mm thick.        | EA   | 11.50  | 1        | 8669              |  |
| 12250.   | Mangalore tiles 20mm thick.              | EA   | 11.50  | 1        | 8670              |  |
| 12260.   | Precoated G.V.iron profile sheet 0.50 mm | M2   | 437.00 | 1        | 8671              | :Precoated galvanised iron profile sheet 0.50 mm TCT           |
| 12270.   | Precoated G.V. steel plain ridges.       | M    | 285.20 | 1        | 8672              | :Precoated galvanised steel plain ridges.                      |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 12280.   | Precoated G.V. steel flashings/aprons.   | M    | 297.85   | 1        | 8673              | :Precoated galvanised steel flashings/aprons.                       |
| 12290.   | Precoated galvanised steel gutter        | M    | 556.60   | 1        | 8674              | :Precoated galvanised steel gutter                                  |
| 12300.   | Precoated G.V. steel north light curve   | M    | 303.60   | 1        | 8675              | :Precoated galvanised steel north light curves.                     |
| 12310.   | Precoated galvanised steel barge board.  | M    | 290.95   | 1        | 8676              |   |
| 12320.   | Precoated galvanised steel crimp curve   | M2   | 297.85   | 1        | 8677              |   |
| 12330.   | 1mm thick 35mm wide bright finished      | M    | 59.80    | 1        | 8678              | :1mm thick 35mm wide bright finished stainless steel piano hinges . |
| 12340.   | Red sand stone gang saw cut 30mm thick.  | M2   | 602.60   | 1        | 8683              |   |
| 12350.   | White sand stone gang saw cut 30mm th    | M2   | 708.40   | 1        | 8684              |   |
| 12360.   | Delineator                               | EA   | 425.50   | 1        | 8685              |   |
| 12370.   | Precast C.C. Kerb stone M - 25           | M3   | 7,084.00 | 1        | 8686              |   |
| 12380.   | Thermoplastic paint                      | KG   | 83.95    | 1        | 8687              |   |
| 12390.   | Glass beads                              | KG   | 89.13    | 1        | 8688              |   |
| 12400.   | Interlocking C.C. paver block, 60 mm th. | M2   | 460.00   | 1        | 8689              | :Interlocking C.C. paver block ( 60 mm thick, M-30 )                |
| 12410.   | High intensity retro-reflective sheet.   | M2   | 1,546.75 | 1        | 8690              |   |
| 12420.   | Punched tape concertina coil 600 m       | ROL  | 828.00   | 1        | 8691              | :Punched tape concertina coil 600 m dia. 10m openable               |

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|----------|---|------|--------|----------|------------------|--|
|          | dia                                     |      |        |          |                  | length (Total length 90m)<br>(Unit of measurment is per Roll)  |
| 12430.   | RBT reinforced barbed wire.             | M    | 9.20   | 1        | 8692             |  |
| 12440.   | Turn buckle and strengthening bolt.     | SET  | 52.90  | 1        | 8693             |  |
| 12450.   | Precast pavement slab 450 x 450 x 50mm  | EA   | 184.00 | 1        | 8694             | :Precast pavement slab 450 x 450 x 50mm (M - 30).  |
| 12460.   | Chain link fabric fencing, size 50x50mm | M2   | 379.50 | 1        | 8695             | :Chain link fabric fencing mesh of size 50x50mm made of G.I. wire of dia. 4mm.                               |
| 12470.   | Chain link fabric fencing, size 50x50mm | M2   | 417.45 | 1        | 8696             | :Chain link fabric fencing mesh of size 50x50mm made of G.I. wire of dia. 4mm, PVC coated to outer dia. 5mm. |
| 12480.   | Chain link fabric fencing size 25x25mm  | M2   | 480.70 | 1        | 8697             | :Chain link fabric fencing mesh of size 25x25mm made of G.I. wire of dia. 3mm.                               |
| 12490.   | Stainless steel cramps for dry stone    | EA   | 146.05 | 1        | 8698             | :Stainless steel cramps with nuts, bolts and washer for dry stone cladding .                                 |
| 12500.   | 8 mm thick taper edge calcium silicate  | M2   | 341.55 | 1        | 8699             | :8 mm thick tapered edge calcium silicate board .  |
| 12510.   | 10 mm thick calcium silicate board.     | M2   | 531.30 | 1        | 8700             |  |
| 12520.   | Telescopic drawer channels 300mm long . | SET  | 303.60 | 1        | 8703             |  |
| 12530.   | Stainless steel roller for sliding      | EA   | 13.80  | 1        | 8704             | :Stainless steel roller for sliding arrangement in racks/ cupboards/   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 12540.   | 50mmX42mmX2mm thick Factory made door   | M    | 210.45   | 1        | 8705             | :50mmX42mmX2mm thick Factory made door frame of PVC extruded sections in white, grey or wooden finish |
| 12550.   | 25mm thick factory made PVC flush door  | M2   | 2,150.50 | 1        | 8706             | :25mm thick factory made PVC flush door shutter i/c carriage.   |
| 12560.   | Factory made glass, door frame 90x45 mm | M    | 402.50   | 1        | 8707             | :Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.                              |
| 12570.   | 30 mm thick factory made glass fiber    | M2   | 2,633.50 | 1        | 8708             | :30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage.             |
| 12580.   | Solid PVC door frame 60 x 30mm          | M    | 373.75   | 1        | 8710             | :Factory made solid PVC door frame 60 x 30mm i/c carriage.  |
| 12590.   | 28mm factory made solid PVC panel door  | M2   | 2,311.50 | 1        | 8711             | :28mm factory made solid PVC panel door shutter i/c carriage.   |
| 12600.   | Fiber glass reinforced plastic chajja.  | M2   | 3,392.50 | 1        | 8713             |   |
| 12610.   | Magnetic catcher triple, vertical type. | EA   | 35.65    | 1        | 8714             | :Magnetic catcher triple strip vertical type.   |
| 12620.   | Magnetic catcher double horizontal      | EA   | 25.30    | 1        | 8715             | :Magnetic catcher double strip horizontal type.   |
| 12630.   | 100 mm mortice lock with 6 levers       | EA   | 546.25   | 1        | 8716             | :100 mm mortice lock with 6 levers for aluminium door.  |
| 12640.   | 12.5 mm thick Glass fibre reinforced    | M2   | 2,909.50 | 1        | 8717             | :12.5 mm thick Glass fibre reinforced Gypsum board .  |

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| Item No. | Description                            | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 12650.   | 2nd class teak wood lipping            | M    | 37.95    | 1        | 8719              | :2nd class teak wood lipping/ moulded beading or Taj beading of size 18X5mm  |
| 12660.   | Ceiling sections 0.55 mm thick         | M    | 48.30    | 1        | 8720              | :Ceiling sections 0.55 mm thick having a knurled web of 51.55mm and two flanges of 26mm each with lips of 10.55mm.       |
| 12670.   | Perimeter channel, one flange of 20mm  | M    | 28.75    | 1        | 8721              | :Perimeter channel having one flange of 20mm and another flange of 30mm with thickness of 0.55mm and web of length 27mm. |
| 12680.   | Nylon sleeves & wooden screws (40mm)   | EA   | 3.45     | 1        | 8722              |  |
| 12690.   | Counter sunk ribbed head screw 25mm.   | NO   | 96.60    | 100      | 8723              |  |
| 12700.   | 12mm thick marine plywood              | M2   | 902.75   | 1        | 8724              | :12mm thick marine plywood conforming to IS:710  |
| 12710.   | 12mm thick fire retardant plywood      | M2   | 1,097.10 | 1        | 8725              | :12mm thick fire retardant plywood conforming to IS: 5509.   |
| 12720.   | 1.5mm thick decorative laminated sheet | M2   | 480.70   | 1        | 8726              |  |
| 12730.   | 1.0mm thick decorative laminated sheet | M2   | 371.45   | 1        | 8727              |  |
| 12740.   | 30 mm thick factory made glass fiber   | M2   | 3,254.50 | 1        | 8730              | :30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.                                |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 12750.   | High polymer modified quickset tile      | KG   | 11.50  | 1        | 8731              | :High polymer modified quickset tile adhesive.   |
| 12760.   | Sundries                                 | LSM  | 2.61   | 1        | 9999              | :Sundries  |
| 12770.   | Synthetic ployster triangular fibre,12mm | KG   | 454.83 | 1        | 8732              | Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40 |
| 12780.   | Synthetic ployster triangular fibre,6mm  | KG   | 506.58 | 1        | 8733              | Synthetic ployster triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40  |
| 12790.   | Silicon and acrylic emulsion             | L    | 161.00 | 1        | 0801              | Silicon and acrylic emulsion   |
| 12800.   | Acrylic distemper 1st quality , having V | KG   | 51.75  | 1        | 0802              | Acrylic distemper 1st quality , having VOC content less than 50 gm/kg  |
| 12810.   | Acrylic emulsion , having VOC content le | L    | 120.75 | 1        | 0803              | Acrylic emulsion , having VOC content less than 50 gm/litre  |
| 12820.   | Premium acrylic emulsion of interior gra | L    | 241.50 | 1        | 0804              | Premium acrylic emulsion of interior grade, having VOC content less than 50 gm/ltr.  |
| 12830.   | Synthetic enamel paint , having VOC (Vol | L    |        | 1        | 0805              | Synthetic enamel paint , having VOC (Volatile Organic Compound) content less than 150 gm/l                                 |
| 12840.   | Ready mixed pink or grey primer on       | L    | 115.00 | 1        | 0806              | Ready mixed pink or grey primer on wood work (hard and   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
|          | wood                                     |      |        |          |                   | soft wood) having VOC content less   |
| 12850.   | Ready mixed red oxide zinc chromatic on  | L    |        | 1        | 0807              | Ready mixed red oxide zinc chromatic on steel/ iron work, having VOC content less than 250 |
| 12860.   | Water thinnable cement primer for interi | L    | 46.00  | 1        | 0808              | Water thinnable cement primer for interior wall surface, having VOC content less than 50 g |
| 12870.   | Cement base wall care putty              | KG   | 20.70  | 1        | 0824              | Cement base wall care putty  |
| 12880.   | Steel glazed door,window/ ventilator, al | KG   | 67.85  | 1        | 1011              | Steel glazed door,window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.         |
| 12890.   | Surkhi                                   | M3   | 894.70 | 1        | 1182              | Surkhi   |
| 12900.   | seasoned sheesham wood planks 10 dm3 650 | DM3  | 747.50 | 1        | 1200              | Kiln seasoned selected sheesham wood planks 10 cudm 650.00                                 |
| 12910.   | Precast heat resistant terrace tiles (si | EA   | 534.75 | 1        | 1204              | Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick                     |
| 12920.   | 1 mm thick Stainless Steel Cover plate g | KG   | 351.90 | 1        | 2393              | 1 mm thick Stainless Steel Cover plate grade 304   |
| 12930.   | Coupler 16 mm dia                        | EA   | 36.80  | 1        | 2394              | Coupler 16 mm dia  |
| 12940.   | Coupler 20 mm dia                        | EA   | 48.30  | 1        | 2395              | Coupler 20 mm dia  |



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|----------|--|------|--------|----------|------------------|---|
| 12950.   | Coupler 25 mm dia                        | EA   | 85.10  | 1        | 2396             | Coupler 25 mm dia   |
| 12960.   | Coupler 28 mm dia                        | EA   | 97.75  | 1        | 2397             | Coupler 28 mm dia   |
| 12970.   | Coupler 32 mm dia                        | EA   | 132.25 | 1        | 2398             | Coupler 32 mm dia   |
| 12980.   | Float glass sheet of nominal thickness 8 | M2   | 737.15 | 1        | 2408             | Float glass sheet of nominal thickness 8 mm (weight not less than 20.00 kg/ sqm)          |
| 12990.   | 12 mm commercial ply                     | M2   | 606.05 | 1        | 2413             | 12 mm commercial ply  |
| 13000.   | 18 mm thick block board with commercial  | M2   | 910.80 | 1        | 2414             | 18 mm thick block board with commercial ply veneering on both side                        |
| 13010.   | Carben Steel galvd dash fastner:10mmx60m | NO   | 319.70 | 1        | 2506             | Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade |
| 13020.   | Carben Steel galvd dash fastner:10mmx80m | NO   | 372.60 | 1        | 2507             | Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade |
| 13030.   | Carben Steel galvd dash fastner:10mmx120 | NO   | 463.45 | 1        | 2508             | Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade |
| 13040.   | Carben Steel galvd dash fastner:10mmx140 | NO   | 554.30 | 1        | 2509             | Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 13050.   | Carben Steel galvd dash fastner:10mmx160 | NO   | 717.60   | 1        | 2510              | Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade |
| 13060.   | Truf Paver (500 x 500 x 40 mm)           | M2   | 591.10   | 1        | 2708              | Truf Paver (500 x 500 x 40 mm)  |
| 13070.   | Ceremic Tiles Pieces for Crazy Flooring  | QTL  | 170.20   | 1        | 2709              | Ceremic Tiles Pieces for Crazy Flooring   |
| 13080.   | 15 mm Battery Based Sensor Pillar Cock   | EA   | 7,095.50 | 1        | 3327              | 15 mm Battery Based Sensor Pillar Cock  |
| 13090.   | Stainless steel (Grade-304)hollow sectio | KG   | 322.00   | 1        | 4001              | Stainless steel (Grade-304)hollow section round/square tubes                              |
| 13100.   | Stainless steel bolts/square bar and pla | KG   | 172.50   | 1        | 4002              | Stainless steel bolts/square bar and plates   |
| 13110.   | 12.5 mm th Fully Perforated gypsum board | M2   | 476.10   | 1        | 7028              | 12.5 mm thick Fully Perforated gypsum board   |
| 13120.   | 12.5 mm th tapered edge gypsum fire resi | M2   |          | 1        | 7030              | 12.5 mm thick tapered edge gypsum fire resistant board                                    |
| 13130.   | 12.5 mm th tapered edge gypsum moisture  | M2   | 310.50   | 1        | 7031              | 12.5 mm thick tapered edge gypsum moisture resistant board                                |
| 13140.   | PU Primer                                | M2   | 62.10    | 1        | 7050              | PU Primer   |
| 13150.   | 40 mm (average) PU spray having 40-45 kg | M2   | 442.75   | 1        | 7051              | 40 mm (average) PU spray having 40-45 kg/cum density                                      |

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|----------|--|------|-----------|----------|------------------|--|
| 13160.   | GI wire netting 3/4" x 24 G              | M2   | 32.20     | 1        | 7052             | GI wire netting 3/4" x 24 G  |
| 13170.   | 400 G polythene sheet                    | M2   | 14.95     | 1        | 7053             | 400 G polythene sheet  |
| 13180.   | Wall mounted water closet                | EA   | 6,831.00  | 1        | 7072             | Wall mounted water closet  |
| 13190.   | Adjustable Vetrious China Cistern with f | EA   | 1,840.00  | 1        | 7073             | Adjustable Vetrious China Cistern with fittings                                |
| 13200.   | White Vetrious China Waterless Urinal    | EA   | 10,925.00 | 1        | 7074             | White Vetrious China Waterless Urinal  |
| 13210.   | Cistern with fittings for Waterless Urin | EA   | 2,732.40  | 1        | 7075             | Cistern with fittings for Waterless Urinal                                     |
| 13220.   | White Vetrious Urinal (infrared sensor o | EA   | 5,485.50  | 1        | 7076             | White Vetrious Urinal (battery based infrared sensor operated - 610x390x370mm) |
| 13230.   | Chemical ASTM C-type I                   | KG   | 116.15    | 1        | 7178             | Chemical ASTM C-type I   |
| 13240.   | Waste plastic additive                   | MT   | 45,425.00 | 1        | 7280             | Waste plastic additive   |
| 13250.   | Chemical ASTM C-type II                  | KG   | 187.45    | 1        | 7281             | Chemical ASTM C-type II  |
| 13260.   | M.S. pipe 150 mm dia casing pipe         | M    | 1,437.50  | 1        | 7743             | M.S. pipe 150 mm dia casing pipe   |
| 13270.   | M.S. pipe 200 mm dia casing pipe         | M    | 1,782.50  | 1        | 7744             | M.S. pipe 200 mm dia casing pipe   |
|          |  |      |           |          |                  |  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                           |
|----------|--|------|----------|----------|-------------------|--|
| 13280.   | PVC blind pipe 150 mm dia as per IS: 128 | M    | 632.50   | 1        | 7745              | PVC blind pipe 150 mm dia as per IS: 12818   |
| 13290.   | PVC blind pipe 200 mm dia as per IS: 128 | M    | 891.25   | 1        | 7746              | PVC blind pipe 200 mm dia as per IS: 12818   |
| 13300.   | M.S. cap 150 mm dia                      | EA   | 189.75   | 1        | 7747              | M.S. cap 150 mm dia                          |
| 13310.   | M.S. cap 200 mm dia                      | EA   | 247.25   | 1        | 7748              | M.S. cap 200 mm dia                          |
| 13320.   | M.S. bail plug 150 mm dia                | EA   | 247.25   | 1        | 7749              | M.S. bail plug 150 mm dia                    |
| 13330.   | M.S. bail plug 200 mm dia                | EA   | 276.00   | 1        | 7750              | M.S. bail plug 200 mm dia                    |
| 13340.   | PVC slotted pipe 150 mm dia as per IS: 1 | M    | 644.00   | 1        | 7751              | PVC slotted pipe 150 mm dia as per IS: 12818 |
| 13350.   | PVC slotted pipe 200 mm dia as per IS: 1 | M    | 1,006.25 | 1        | 7752              | PVC slotted pipe 200 mm dia as per IS: 12818 |
| 13360.   | Boulder 50 mm to 200 mm                  | M3   |          | 1        | 7753              | Boulder 50 mm to 200 mm                      |
| 13370.   | Gravel 5 mm to 10 mm                     | M3   |          | 1        | 7754              | Gravel 5 mm to 10 mm                         |
| 13380.   | Gravel 1.5 mm to 2 mm                    | M3   |          | 1        | 7755              | Gravel 1.5 mm to 2 mm                        |
| 13390.   | Gravel 3 mm to 6 mm                      | M3   |          | 1        | 7756              | Gravel 3 mm to 6 mm                          |
| 13400.   | M.S. pipe 100 mm dia casing pipe         | M    | 977.50   | 1        | 7757              | M.S. pipe 100 mm dia casing pipe             |

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| Item No. | Description                                | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                                   |
|----------|--|------|----------|----------|-------------------|--|
| 13410.   | uPVC blind pipe 100 mm dia as per IS: 12   | M    | 534.75   | 1        | 7758              | uPVC blind pipe 100 mm dia as per IS: 12818          |
| 13420.   | uPVC slotted pipe 100 mm dia as per IS:    | M    | 546.25   | 1        | 7759              | uPVC slotted pipe 100 mm dia as per IS: 12818        |
| 13430.   | M.S. cap 100 mm dia                        | EA   | 172.50   | 1        | 7760              | M.S. cap 100 mm dia                                  |
| 13440.   | M.S. bail plug 100 mm dia                  | EA   | 201.25   | 1        | 7761              | M.S. bail plug 100 mm dia                            |
| 13450.   | Precast R.C.C. perforated slab             | EA   | 1,092.50 | 1        | 7762              | Precast R.C.C. perforated slab                       |
| 13460.   | Water supply tanker of 5000 litre capacity | EA   | 1,868.75 | 1        | 7763              | Water supply tanker of 5000 litre capacity           |
| 13470.   | M.S. socket 100 mm dia                     | EA   | 161.00   | 1        | 7764              | M.S. socket 100 mm dia                               |
| 13480.   | M.S. socket 150 mm dia                     | EA   | 258.75   | 1        | 7765              | M.S. socket 150 mm dia                               |
| 13490.   | M.S. socket 200 mm dia                     | EA   | 345.00   | 1        | 7766              | M.S. socket 200 mm dia                               |
| 13500.   | Stone cleaning chemical approved by ASI    | L    | 345.00   | 1        | 7767              | Stone cleaning chemical approved by ASI              |
| 13510.   | Water repellent chemical approved by ASI   | L    | 1,368.50 | 1        | 7768              | Water repellent chemical approved by ASI             |
| 13520.   | Stone surface strengthening chemical app   | L    | 1,046.50 | 1        | 7769              | Stone surface strengthening chemical approved by ASI |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 13530.   | Turpentine oil                           | L    | 69.00  | 1        | 7770              | Turpentine oil   |
| 13540.   | Liquid Amonia 5%                         | L    | 172.50 | 1        | 7771              | Liquid Amonia 5%   |
| 13550.   | Pea Gravel                               | M3   |        | 1        | 7772              | Pea Gravel   |
| 13560.   | Sodium pentachlorophenate                | KG   | 661.25 | 1        | 7775              | Sodium pentachlorophenate  |
| 13570.   | Factory made door frame of size 50x47mm  | M    | 402.50 | 1        | 8014              | Factory made door frame of size 50x47mm with wall thickness 5 mm made of single piecs extr |
| 13580.   | Calcium Silicate tegular edged ceiling t | M2   | 945.30 | 1        | 8589              | Calcium Silicate tegular edged ceiling tiles 595x595 mm and 15 mm thick                    |
| 13590.   | Galvanised Steel main Tee ceiling sectio | EA   | 192.05 | 1        | 8590              | Galvanised Steel main Tee ceiling section Size 24 x 38 x 0.33 mm (3 metre long)            |
| 13600.   | Galvanised Steel perimeter wall Angle Si | EA   | 131.10 | 1        | 8591              | Galvanised Steel perimeter wall Angle Size 24 x 24 x 0.40 mm (3.00 metre long)             |
| 13610.   | Glvd Steel intermed.X T-24x25x.33mm-1.2m | EA   | 62.10  | 1        | 8592              | Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (1.2 metre long)      |
| 13620.   | Glvd Steel intermed.X T-24x25x.33mm-0.6m | EA   | 31.05  | 1        | 8593              | Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm ( 0.6 metre long)     |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 13630.   | Galvanised Steel soffit cleat size 25x35 | EA   | 6.33     | 1        | 8594              | Galvanised Steel soffit cleat size 25x35x1.60 mm   |
| 13640.   | Wooden screws with plastic rawl plugs 35 | EA   | 1.73     | 1        | 8595              | Wooden screws with plastic rawl plugs 35x8 mm  |
| 13650.   | GI Metal Tile Clip in Plain Beveled edge | M2   | 911.95   | 1        | 8597              | GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and  |
| 13660.   | GI Metal Tile Clip in Perforated Beveled | M2   | 1,014.30 | 1        | 8598              | GI Metal Tile Clip in Perforated Beveled edge global white colour tiles of size 600x600 mm |
| 13670.   | G.I Metal Tile Lay-in plain Tegular edge | M2   | 806.15   | 1        | 8599              | G.I Metal Tile Lay-in plain Tegular edge global white color tiles of size 595x595mm and 0. |
| 13680.   | GI Metal Tile Lay-in Perforated Tegular  | M2   | 933.80   | 1        | 8600              | GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm a |
| 13690.   | PVC Laminated Gypsum Tiles (Square edge) | M2   | 1,046.50 | 1        | 8601              | PVC Laminated Gypsum Tiles (Square edge) of Size 595x595 mm and 12.5 mm thick              |
| 13700.   | Polished Porcelain floor tiles 50x50 cm  | M2   | 517.50   | 1        | 8602              | Polished Porcelain floor tiles 50x50 cm  |
| 13710.   | Spring T-section 24x34x0.45mm-3m         | M    | 276.00   | 1        | 8604              | Spring T-section 24x34x0.45 mm (3.00 meter long)   |
| 13720.   | C Wall angle section 20x30x20x0.50 mm-3m | M    | 132.25   | 1        | 8605              | C Wall angle section 20x30x20x0.50 mm (3.00 meter long)                                    |

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| Item No. | Description                                | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 13730.   | Main C Carrier Size 10x38x10x0.70 mm-3m    | M    | 155.25   | 1        | 8606              | Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)   |
| 13740.   | Spring T-connector                         | EA   | 6.90     | 1        | 8607              | Spring T-connector   |
| 13750.   | C Carrier Connector                        | EA   | 14.95    | 1        | 8608              | C Carrier Connector  |
| 13760.   | C Suspension Clip                          | EA   | 12.65    | 1        | 8609              | C Suspension Clip  |
| 13770.   | Wire Coupling Clip                         | EA   | 12.65    | 1        | 8610              | Wire Coupling Clip   |
| 13780.   | Epoxy Grout                                | KG   | 480.70   | 1        | 8682              | Epoxy Grout  |
| 13790.   | 30mm th solid PVC profile panelled door    | M2   | 2,472.50 | 1        | 8709              | 30mm thick factory made solid PVC profile panelled door single piece extruded profile dec                      |
| 13800.   | 30 mm thick factory made solid PVC profile | M2   | 2,162.00 | 1        | 8712              | "30 mm thick factory made solid PVC profile panelled door single piece extruded profile non decorative finish" |
| 13810.   | P.V.C. Single piece extruded door frame    | M    | 335.80   | 1        | 8734              | "P.V.C. Single piece extruded door frame of profile size 50 mm x 47 mm with wall thickness of 5 mm"            |
| 13820.   | 35mm th solid panel PVC door non decorat   | M2   | 2,846.25 | 1        | 8735              | 35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non                     |



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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
| 13830.   | 35mm th solid panel PVC door decorative  | M2   | 3,424.70  | 1        | 8736             | 35 mm thick factory made solid panel PVC door shutter of single piece extruded profile dec |
| 13840.   | Stainless steel wire guage (Grade-304) a | M2   | 511.75    | 1        | 8737             | Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire                 |
| 13850.   | Factory made door frame fire rated ( 60  | ONE  | 1,343.20  | 1        | 8738             | Factory made door frame fire rated ( 60 minutes) made with 16 SWG G.I. Sheet of section 14 |
| 13860.   | Fire rated door shuttere made with 16 SW | M2   | 5,947.80  | 1        | 8739             | Fire rated door shuttere made with 16 SWG G.I. sheet( 60 minutes) without panel            |
| 13870.   | Fire seal putty                          | KG   | 384.10    | 1        | 8740             | Fire seal putty  |
| 13880.   | Clear fire resistant glass panes 6mm thi | M2   | 27,197.50 | 1        | 8741             | Clear fire resistant glass panes 6mm thick (60 minutes)                                    |
| 13890.   | G.I. U beading of 16 SWG G.I. sheet (zin | M    | 382.95    | 1        | 8742             | G.I. U beading of 16 SWG G.I. sheet (zinc coating >120gm/sqm) with ceramic tape of suitabl |
| 13900.   | Matrix Mineral Board                     | M    | 85.10     | 1        | 8743             | Matrix Mineral Board   |
| 13910.   | Panic Bar / latch (Double point)         | EA   | 6,578.00  | 1        | 8744             | Panic Bar / latch (Double point)   |
| 13920.   | 65x55x mm th Factory made door frame of  | M    | 446.20    | 1        | 8745             | 65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white,grey or w |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
| 13930.   | 37mm th Fac made shutter panels of PVC e | M2   | 2,964.70 | 1        | 8746              | 37 mm thick Factory made shutter with style,rails and panels of PVC extruded section in white or grey finish i/c carriage |
| 13940.   | 75 mm x 53 mm x 2.0 mm thick Factory mad | M    | 560.05   | 1        | 8747              | 75 mm x 53 mm x 2.0 mm thick Factory made door frame of PVC extruded section in white,grey or wooden finish               |
| 13950.   | 37mm th Factory made fusion welded shutt | M2   | 3,195.85 | 1        | 8748              | 37 mm thick Factory made fusion welded shutter with style, rails and panels of PVC extruded section in wooden finish .    |
| 13960.   | Zn alloy (white powder coated) casement  | EA   | 172.50   | 1        | 8750              | Zinc alloy (white powder coated) casement handle for uPVC windows   |
| 13970.   | Zn alloy (white powder coated) Touch Loc | EA   | 150.65   | 1        | 8751              | Zinc alloy (white powder coated) Touch Lock for uPVC windows  |
| 13980.   | Zn alloy rollers for uPVC windows        | EA   | 79.35    | 1        | 8752              | Zinc alloy rollers for uPVC windows   |
| 13990.   | Zn alloy rollers for uPVC door           | EA   | 135.70   | 1        | 8753              | Zinc alloy rollers for uPVC door  |
| 14000.   | Zn alloy (white powder coated) casement  | EA   | 146.05   | 1        | 8754              | Zinc alloy (white powder coated) casement lock for uPVC windows   |
| 14010.   | SS friction hinge200mmx19x1.9mm for uPVC | EA   | 280.60   | 1        | 8755              | Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 14020.   | SS friction hinge250mmx19x1.9mm for uPVC | EA   | 313.95 | 1        | 8756             | Stainless steel friction hinge of size 250 mm x 19 x 1.9 mm for uPVC windows                                      |
| 14030.   | SS friction hinge300mmx19x1.9mm for uPVC | EA   | 343.85 | 1        | 8757             | Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for uPVC windows                                      |
| 14040.   | SS friction hinge350mmx19x1.9mm for uPVC | EA   | 477.25 | 1        | 8758             | Stainless steel friction hinge of size 350 mm x 19 x 1.9 mm for uPVC windows                                      |
| 14050.   | SS friction hinge400mmx19x1.9mm for uPVC | EA   | 465.75 | 1        | 8759             | Stainless steel friction hinge of size 400 mm x 19 x 1.9 mm for uPVC windows                                      |
| 14060.   | uPVC extr. Prof.csmt win Frame 50mmx50mm | M    |        | 1        | 8760             | "uPVC extruded profile casement window Frame (50 mm x 50 mm)<br>"   |
| 14070.   | uPVC extr. Prof.csmt win sash Style&Rail | M    |        | 1        | 8761             | uPVC extruded profile casement window sash (Style and Rail) (62 mm x34 mm)  |
| 14080.   | uPVC extr. Prof.csmt win mullion interme | M    |        | 1        | 8762             | uPVC extruded profile casement window mullion (intermediate section) (66 mm x 50 mm)                              |
| 14090.   | uPVC extr. Prof.csmt win 'T' profile     | M    |        | 1        | 8763             | uPVC extruded profile casement window 'T' profile (one vertical length in between two shutters) (24 mm x 34.5 mm) |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
| 14100.   | uPVC extr. Prof.csmt win glazing bead    | M    |       | 1        | 8764             | uPVC extruded profile casement window glazing bead (12 mm x 18 mm)                         |
| 14110.   | uPVC extr. Prof.csmt win Frame 67mmx62mm | M    |       | 1        | 8765             | uPVC extruded profile casement window Frame ( 67 mm x 62 mm)                               |
| 14120.   | uPVC extr. Prof.csmt win Sash/Mullion    | M    |       | 1        | 8766             | uPVC extruded profile casement Window Sash/Mullion ( 67 mm x 75 mm)(Style,rail and interme |
| 14130.   | uPVC extr. Prof.csmt win glazing bead    | M    |       | 1        | 8767             | uPVC extruded profile casement window glazing bead (35 mm x 18 mm)                         |
| 14140.   | uPVC extrd prof.2-Track Sliding frame    | M    |       | 1        | 8768             | uPVC extruded profile Two Track Sliding frame (67 mm x 52 mm)                              |
| 14150.   | uPVC extrd prof.Sliding window Sash      | M    |       | 1        | 8769             | uPVC extruded profile Sliding window Sash (60 mm x 44 mm)                                  |
| 14160.   | uPVC extrd prof.Sliding Interlock-Window | M    |       | 1        | 8770             | uPVC extruded profile Sliding Interlock for Window (one vertical length in ea shutter) (   |
| 14170.   | uPVC extrd prof.Sliding Door Sash 8mmx44 | M    |       | 1        | 8771             | uPVC extruded profile Sliding Door Sash (80 mm x 44 mm)                                    |
| 14180.   | Aluminium Track on bottom rail for       | M    | 46.00 | 1        | 8772             | Aluminium Track on bottom rail for uPVC window   |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
|          | uPVC                                      |      |          |          |                   |  |
| 14190.   | Wool Pine for uPVC window                 | M    | 25.30    | 1        | 8773              | Wool Pine for uPVC window  |
| 14200.   | Aluminium Grill (anodised)                | KG   | 338.10   | 1        | 8774              | Aluminium Grill (anodised)   |
| 14210.   | Steel Glvd tubular reinf: uPVC Door/W     | M    | 74.75    | 1        | 8775              | Steel Galvanised tubular reinforcement for uPVC door/window          |
| 14220.   | Stainless steel dash fastener of 8mm dia  | EA   | 21.85    | 1        | 8776              | Stainless steel dash fastener of 8 mm dia and 75 mm long bolt        |
| 14230.   | Toughened glass 12 mm thickness           | M2   | 2,213.75 | 1        | 8778              | Toughened glass 12 mm thickness                                      |
| 14240.   | Separation Membrane of impermeable plast  | M2   | 17.25    | 1        | 0323              | Separation Membrane of impermeable plastic sheeting 125 micron thick |
| 14250.   | Curing compound                           | L    | 47.15    | 1        | 0349              | Curing compound  |
| 14260.   | Plastic sheath, 1.25 mm thick for dowel b | M2   | 31.05    | 1        | 0369              | Plastic sheath, 1.25 mm thick for dowel bars                         |
| 14270.   | Sealant primer                            | KG   | 164.45   | 1        | 0371              | Sealant primer   |
| 14280.   | Pre moulded Joint filler, 25 mm thick fo  | M2   | 506.00   | 1        | 0374              | Pre moulded Joint filler, 25 mm thick for expansion joint.           |
| 14290.   | 18 mm thick Flamed finish granite stone   | M2   | 1,380.00 | 1        | 1239              | 18 mm thick Flamed finish granite stone slab                         |

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|----------|---|------|-----------|----------|-------------------|--|
| 14300.   | 18 mm thick Italian Marble stone slab, P  | M2   | 3,680.00  | 1        | 1240              | 18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 m2). |
| 14310.   | Glass mosaic tiles (20 mm x 20 mm x 4 mm) | M2   | 2,610.50  | 1        | 1242              | Glass mosaic tiles (20 mm x 20 mm x 4 mm )                               |
| 14320.   | Tile fixing chemical adhesive             | KG   | 13.80     | 1        | 1243              | Tile fixing chemical adhesive  |
| 14330.   | Cement Polymer Grout Compound             | KG   | 18.40     | 1        | 1244              | Cement Polymer Grout Compound  |
| 14340.   | Acid for cleaning tiles                   | L    | 23.00     | 1        | 1245              | Acid for cleaning tiles  |
| 14350.   | RCC pipe 450 mm dia NP-3 spigot           | M    | 1,845.75  | 1        | 1728              | RCC pipe 450 mm dia NP-3 spigot  |
| 14360.   | RCC pipe 600 mm dia NP-3 spigot           | M    | 2,461.00  | 1        | 1729              | RCC pipe 600 mm dia NP-3 spigot  |
| 14370.   | RCC pipe 900 mm dia NP-3 spigot           | M    | 3,904.25  | 1        | 1730              | RCC pipe 900 mm dia NP-3 spigot  |
| 14380.   | RCC pipe 1000 mm dia NP-3 spigot          | M    | 4,812.75  | 1        | 1731              | RCC pipe 1000 mm dia NP-3 spigot   |
| 14390.   | RCC pipe 1200 mm dia NP-3 spigot          | M    | 6,398.60  | 1        | 1732              | RCC pipe 1200 mm dia NP-3 spigot   |
| 14400.   | RCC pipe 1800 mm dia NP-3 spigot          | M    | 11,626.50 | 1        | 1733              | RCC pipe 1800 mm dia NP-3 spigot   |
| 14410.   | RCC pipe 450 mm dia NP-4 spigot           | M    | 2,150.50  | 1        | 1734              | RCC pipe 450 mm dia NP-4 spigot  |
|          |   |      |           |          |                   |  |

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| Item No. | Description                           | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description                    |
|----------|---------------------------------------|------|-----------|----------|-------------------|---------------------------------------|
| 14420.   | RCC pipe 600 mm dia pipe NP-4 spigot  | M    | 2,892.25  | 1        | 1735              | RCC pipe 600 mm dia pipe NP-4 spigot  |
| 14430.   | RCC pipe 900 mm dia pipe NP-4 spigot  | M    | 5,537.25  | 1        | 1736              | RCC pipe 900 mm dia pipe NP-4 spigot  |
| 14440.   | RCC pipe 1000 mm dia pipe NP-4 spigot | M    | 6,854.00  | 1        | 1737              | RCC pipe 1000 mm dia pipe NP-4 spigot |
| 14450.   | RCC pipe 1200 mm dia pipe NP-4 spigot | M    | 8,009.75  | 1        | 1738              | RCC pipe 1200 mm dia pipe NP-4 spigot |
| 14460.   | RCC pipe 1800 mm dia pipe NP-4 spigot | M    | 16,795.75 | 1        | 1739              | RCC pipe 1800 mm dia pipe NP-4 spigot |
| 14470.   | Complete Roof Joint of 100 mm         | M    | 3,448.85  | 1        | 2399              | Complete Roof Joint of 100 mm         |
| 14480.   | Complete Roof Joint of 150 mm         | M    | 3,980.15  | 1        | 2400              | Complete Roof Joint of 150 mm         |
| 14490.   | Complete Roof Joint of 200 mm         | M    | 4,926.60  | 1        | 2401              | Complete Roof Joint of 200 mm         |
| 14500.   | Epoxy adhesive                        | KG   | 184.00    | 1        | 2402              | Epoxy adhesive                        |
| 14510.   | Floor Joint of 100 mm                 | M    | 3,777.75  | 1        | 2403              | Floor Joint of 100 mm                 |
| 14520.   | Floor Joint of 150 mm                 | M    | 4,879.45  | 1        | 2404              | Floor Joint of 150 mm                 |
| 14530.   | Floor Joint of 200 mm                 | M    | 6,523.95  | 1        | 2405              | Floor Joint of 200 mm                 |
| 14540.   | Wall Joint of 100 mm                  | M    | 2,899.15  | 1        | 2409              | Wall Joint of 100 mm                  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description                      |
|----------|---|------|----------|----------|------------------|---|
| 14550.   | Wall Joint of 150 mm                    | M    | 3,399.40 | 1        | 2410             | Wall Joint of 150 mm                    |
| 14560.   | Wall Joint of 200 mm                    | M    | 4,087.10 | 1        | 2411             | Wall Joint of 200 mm                    |
| 14570.   | FS800H Grade Flooring Panel             | EA   | 860.20   | 1        | 2711             | FS800H Grade Flooring Panel             |
| 14580.   | Zinc Electroplated Pedestals - 300 mm   | EA   | 169.05   | 1        | 2712             | Zinc Electroplated Pedestals - 300 mm   |
| 14590.   | Zinc Electroplated Pedestals - 450 mm   | EA   | 248.40   | 1        | 2713             | Zinc Electroplated Pedestals - 450 mm   |
| 14600.   | Zinc Electroplated Tube Stinger         | EA   | 85.10    | 1        | 2714             | Zinc Electroplated Tube Stinger         |
| 14610.   | Machine Screw for Fixing                | EA   | 4.60     | 1        | 2715             | Machine Screw for Fixing                |
| 14620.   | High Albedo paint                       | KG   | 262.20   | 1        | 7238             | High Albedo paint                       |
| 14630.   | Resin Bonded Rockwool 48 kg/m3          | M2   | 134.55   | 1        | 7273             | Resin Bonded Rockwool 48 kg/m3          |
| 14640.   | Granite stone slab 18mm thick           | M2   |          | 1        | 7295             | Granite stone slab 18mm thick           |
| 14650.   | Granite stone slab 30mm thick           | M2   | 2,351.75 | 1        | 7296             | Granite stone slab 30mm thick           |
| 14660.   | Coloured inter locking C.C. paver Block | M2   | 517.50   | 1        | 7773             | Coloured inter locking C.C. paver Block |



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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 14670.   | Stone size 10x10x7.50cm                  | EA   | 11.50    | 1        | 7774              | Stone size 10x10x7.50cm  |
| 14680.   | Tactile tile                             | M2   | 1,023.50 | 1        | 7893              | Tactile tile   |
| 14690.   | Matt finished vitrified tile 100x100 x16 | M2   | 1,138.50 | 1        | 7895              | Matt finished vitrified tile 100x100 x16mm   |
| 14700.   | Vitrified tile                           | M2   | 569.25   | 1        | 7896              | Vitrified tile   |
| 14710.   | 8mm thick Calcium silicate perforated ti | M2   | 718.75   | 1        | 8784              | 8mm thick Calcium silicate perforated tiles of size 595 x595mm                     |
| 14720.   | 8 mm thick tapered edge calcium silicate | M2   | 556.60   | 1        | 8785              | 8 mm thick tapered edge calcium silicate board                                     |
| 14730.   | 6 mm thick heavy duty fiber cement board | M2   | 586.50   | 1        | 0238              |  |
| 14740.   | 8mm thick heavy duty fiber cement board  | M2   | 379.50   | 1        | 0239              |  |
| 14750.   | 9 mm thick heavy duty fiber cement board | M2   | 782.00   | 1        | 0240              |  |
| 14760.   | 12.5 mm thick Gypsum plaster board       | M2   | 207.00   | 1        | 0241              |  |
| 14770.   | 6 mm thick wood particle board           | M2   | 241.50   | 1        | 0242              | 6 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276 |
| 14780.   | 8 mm thick wood particle board           | M2   | 264.50   | 1        | 0243              | 8 mm thick multipurpose cement bonded wood particle board conforming to IS : 14276 |
|          |  |      |          |          |                   |  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 14790.   | light wt compositewall/roof panel 50mm t | M2   | 747.50   | 1        | 0244             | Factory made light weight composite non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (50mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 4mm thick) confirming to IS 14862:2000 |
| 14800.   | light wt compositewall/roof panel 75mm t | M2   | 989.00   | 1        | 0245             | Factory made light weight non asbestos fibre reinforced aerated cement sandwitched wall/roof panel (75mm thick). The outer face on both sides of the panels will be non asbestos fibre cement board (minimum 5mm thick) confirming to IS 14862:2000           |
| 14810.   | 2mm thick sim pad                        | EA   | 12.65    | 1        | 0246             |   |
| 14820.   | 5mm thick sim pad                        | EA   | 18.40    | 1        | 0247             |   |
| 14830.   | 10mm thick sim pad                       | EA   | 31.05    | 1        | 0248             |   |
| 14840.   | Bitumen felt as per IS 7193 Grade II     | M2   | 103.50   | 1        | 0319             |   |
| 14850.   | Integral crystalline slurry              | KG   | 246.10   | 1        | 351              |   |
| 14860.   | Integral crystalline admixture           | KG   | 290.95   | 1        | 352              |   |
| 14870.   | Crystalline mortar                       | KG   | 240.35   | 1        | 353              |   |
| 14880.   | Integral crystalline dry shake           | KG   | 354.20   | 1        | 354              |   |
| 14890.   | Swellable type water stop tape           | M    | 407.10   | 1        | 355              |   |
| 14900.   | Primer for swellable type water stoptape | L    | 1,644.50 | 1        | 356              |   |
| 14910.   | Polymer modified adhesive mortar         | KG   | 18.40    | 1        | 357              |   |
| 14920.   | SS grade 304,curtain rod 20dia,1.20mm t  | M    | 157.55   | 1        | 454              | Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick   |
| 14930.   | SS grade 304,curtain rod                 | M    | 215.05   | 1        | 455              | Stainless steel SS grade 304 , curtain rod 25 mm dia  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          | 25dia,1.20mm t                           |      |          |          |                  | 1.20mm thick  |
| 14940.   | SS grade 304bracket C.Rod 20 mm 1.20mm t | EA   | 57.50    | 1        | 456              | Stainless steel SS grade 304, brackets ( curtain rod) 20 mm dia1.20mm thick |
| 14950.   | SS grade 304bracket C.Rod 25 mm 1.20mm t | EA   | 69.00    | 1        | 457              | Stainless steel SS grade 304, brackets ( curtain rod) 25 mm dia1.20mm thick |
| 14960.   | plastic sleeves for screw                | EA   | 2.53     | 1        | 458              |   |
| 14970.   | 75mm SS fancy handles for kitchencabinet | EA   | 327.75   | 10       | 0552             | 75mm SS fancy handles for kitchen cabinet                                   |
| 14980.   | 100mm SS fancyhandles for kitchencabinet | EA   | 584.20   | 10       | 0553             | 100mm SS fancy handles for kitchen cabinet                                  |
| 14990.   | 125mm SS fancyhandles for kitchencabinet | EA   | 816.50   | 10       | 0554             | 125mm SS fancy handles for kitchen cabinet                                  |
| 15000.   | C.P. Brass Extension Nipple 1/2"x2" size | EA   | 52.90    | 1        | 0593             | C.P. Brass Extension Nipple (1/2"x2" size)                                  |
| 15010.   | Calcium silicate base compound for joint | KG   | 32.20    | 1        | 0764             | Calcium silicate base compound for jointing calcium silicate tiles          |
| 15020.   | White cement based polymer               | KG   | 20.70    | 1        | 0772             | White cement based polymer modified self curing compound in powder form     |
| 15030.   | Exterior primer                          | KG   |          | 1        | 0809             |   |
| 15040.   | acrylic dirt resistance,Siliconext paint | L    | 345.00   | 1        | 836              | 100% Premium acrylic dirt resistance, Silicone additives exterior paint     |
| 15050.   | Acrylic Exterior Primer                  | L    | 92.00    | 1        | 837              |   |
| 15060.   | FY-1860 grade wire strands               | QTL  | 8,625.00 | 1        | 993              |   |
| 15070.   | Pregalvanized high tensile steel         | KG   | 126.50   | 1        | 1012             | Pregalvanized high tensile steel confirming to IS:277-199                   |
| 15080.   | Erection Bolts(Min4 no for each          | EA   | 28.75    | 1        | 1027             | Erection Bolts ( Minimum 04 nos for each element)                           |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
|          | element)                                  |      |        |          |                   |  |
| 15090.   | Marandi wood in planks                    | CD3  | 552.00 | 10       | 1191              |  |
| 15100.   | Marandi wood in scantling                 | CD3  | 495.65 | 10       | 1192              |  |
| 15110.   | GI Wire mesh 100x100 mm                   | KG   | 86.25  | 1        | 1217              |  |
| 15120.   | Shear stud                                | EA   | 57.50  | 1        | 1218              |  |
| 15130.   | Steel weld mesh                           | M2   | 172.50 | 1        | 1223              |  |
| 15140.   | Silicon based Joint Sealant for Tiles     | KG   | 184.00 | 1        | 1246              |  |
| 15150.   | Rubber base Adhesive                      | KG   | 256.45 | 1        | 1247              |  |
| 15160.   | Epoxy based sealing Compound              | KG   | 615.25 | 1        | 1248              |  |
| 15170.   | Acrylic based sealing compound            | KG   | 575.00 | 1        | 1249              |  |
| 15180.   | Non woven reinforcement Tape              | M    | 0.16   | 1        | 1250              |  |
| 15190.   | M-60 grade cementitious grout Non Shrink  | KG   | 32.20  | 1        | 1251              | M-60 grade cementitious grout (Non Shrink)   |
| 15200.   | Cementitious polymer base adhesive        | KG   | 46.00  | 1        | 1252              | Cementitious polymer base adhesive confirming to EOTA ETAG 004 (European Technical Approval)   |
| 15210.   | Polypropylene mech fastener 100 dia, 200L | EA   | 34.50  | 1        | 1253              | Polypropylene mechanical fastener with plastic pin confirming to EOTA ETAG 014 (European Technical Approval) having dia 10mm & L=200mm |
| 15220.   | Moisture cure Polyurethane Foam           | ML   | 632.50 | 750      | 1254              |  |
| 15230.   | PVC Corner Bead of size 25mmx25mm         | M    | 101.20 | 1        | 1255              | PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh (100mm x 100mm)  |
| 15240.   | Cementitious polymer base coat            | KG   | 40.25  | 1        | 1256              | Cementitious polymer base coat confirming to EOTA ETAG 004 (European Technical Approval)   |
| 15250.   | Fiberglass mesh mesh size: 3.9x4.0        | M2   | 80.50  | 1        | 1257              | Fiberglass mesh with alkali-resistant coating having mass  |

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| Item No. | Description                                | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
|          | mm ±1                                      |      |           |          |                   | per unit area ?145 g/m <sup>2</sup> , mesh size: 3.9x4.0 mm ±10%   |
| 15260.   | 8 mm dia C.P. Brass/S.S. Jet with flextube | EA   | 253.00    | 1        | 1313              | 8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate for European type W.C.                                 |
| 15270.   | 50mmx50mm hardwood plug                    | EA   | 55.20     | 1        | 1316              |  |
| 15280.   | Dismantled P or S trap scrap               | KG   | 32.20     | 1        | 1880              | Dismantled P or S trap scrap (approx wt 2kg)   |
| 15290.   | Centrifugally SCI(spun) S & S P or Strap   | EA   | 411.70    | 1        | 1890              | Centrifugally SCI(spun) S & S P or S trap  |
| 15300.   | 20 mm dia Gunmetal gate valve with wheel   | EA   | 411.70    | 1        | 1926              |  |
| 15310.   | Floor mounted white vit. china double trap | EA   | 11,787.50 | 1        | 1966              | Floor mounted white vitrous china double trap syphonic WC with 10 litre cistern and all fittings & fixtures, seat cover etc                          |
| 15320.   | 21mm thk clear toughened Laminated glass   | M2   | 7,178.30  | 1        | 2415              | 21mm thick clear toughened Laminated glass for fins with holes   |
| 15330.   | Pre-laminated Grade-I MDF Board 12mm thk   | M2   | 549.70    | 1        | 2484              | Pre-laminated with decorative lamination on both side exterior Grade-I MDF Board 12 mm thick confirming to IS:14587                                  |
| 15340.   | Pre-laminated Grade-I MDF Board 18mm thk   | M2   | 714.15    | 1        | 2485              | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick confirming to IS:14587  |
| 15350.   | Pre-laminated Grade-I MDF Board 25mm thk   | M2   | 1,038.45  | 1        | 2486              | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 25 mm thick confirming to IS: 14587 |
| 15360.   | Pre-laminated Grade-I MDF Board 12mm thk   | M2   | 524.40    | 1        | 2487              | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF   |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | Board 12 mm thick confirming to IS:14587  |
| 15370.   | Pre-laminated Grade-I MDF Board 18mm thk  | M2   | 688.85   | 1        | 2488              | Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 18 mm thick confirming to IS:14587   |
| 15380.   | PVC edge bending tape 2.00 mm thick       | M    | 25.30    | 1        | 2489              | PVC edge bending tape 2.00 mm thick   |
| 15390.   | Prelaminated solid foam uPVC 45x20mm      | M    | 156.40   | 1        | 2491              |   |
| 15400.   | Solid foam uPVC sheet 20mm thick          | M2   | 2,515.05 | 1        | 2492              | Solid foam uPVC sheet 20mm thick pre laminated on both side   |
| 15410.   | PVC edge beading                          | M    | 37.95    | 1        | 2493              |   |
| 15420.   | Expandable fastner with plastic sleeve    | EA   | 8.05     | 1        | 2494              |   |
| 15430.   | Weather/str.nonsag elastomeric PU sealant | EA   | 648.60   | 1        | 2604              | Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Aluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes |
| 15440.   | Structural sealant - 6 mm x 12 mm         | M    | 36.80    | 1        | 2605              |   |
| 15450.   | Spacer tape 6.4 mm thick x 6 mm wide      | M    | 25.30    | 1        | 2606              |   |
| 15460.   | Weather Sealant - Non Staining (600 ml)   | EA   | 388.70   | 1        | 2607              |   |
| 15470.   | Weather Sealant - Normal (300 ml)         | EA   | 119.60   | 1        | 2608              |   |
| 15480.   | MS Brackets/Aluminium Alloy Brackets      | KG   | 123.05   | 1        | 2609              |   |

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| Item No. | Description                                | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 15490.   | Silicon Gasket in Kg (Above 50 g / m)      | KG   | 577.30   | 1        | 2610              |  |
| 15500.   | EPDM Gasket in Kg (Above 60 g / m)         | KG   | 187.45   | 1        | 2611              |  |
| 15510.   | Anchor Fastner - M10                       | EA   | 13.80    | 1        | 2612              |  |
| 15520.   | SS Bolt with washer of different sizes     | EA   | 44.85    | 1        | 2613              | SS Bolt with washer of different sizes for structural glazing / ACP Cladding |
| 15530.   | SS Screws of sizes for structural glazing  | EA   | 5.75     | 1        | 2614              | SS Screws of sizes for structural glazing / ACP Cladding                     |
| 15540.   | Protective Tape                            | M    | 26.45    | 1        | 2615              |  |
| 15550.   | GI flashing - 1.2 mm Thick                 | KG   | 73.60    | 1        | 2616              |  |
| 15560.   | 6 mm thick High performance glass          | M2   | 1,214.40 | 1        | 2617              |  |
| 15570.   | 6 mm thick clear heat strengthened glass   | M2   | 780.85   | 1        | 2618              |  |
| 15580.   | 6 mm thick clear heat strengthened glass   | EA   | 154.10   | 1        | 2619              |  |
| 15590.   | ARMS GS HD - Top Hung -20"-Type P-Couple   | EA   | 1,628.40 | 1        | 2620              | ARMS GS HD - Top Hung -20"- Type P- Couple                                   |
| 15600.   | Connection Block for vision glass panel    | EA   | 42.55    | 1        | 2621              |  |
| 15610.   | Curtain wall striker for vision glass      | EA   | 102.35   | 1        | 2622              | Curtain wall striker for vision glass panel                                  |
| 15620.   | Adjustable Fastening Pawl for vision glass | EA   | 42.55    | 1        | 2623              | Adjustable Fastening Pawl for vision glass panel                             |
| 15630.   | Corner drive for vision glass panel        | EA   | 307.05   | 1        | 2624              |  |
| 15640.   | Top wedge Block for vision glass           | EA   | 142.60   | 1        | 2625              |  |

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| Item No. | Description                               | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-----------|----------|-------------------|---|
|          | panel                                     |      |           |          |                   |   |
| 15650.   | Glass wool of density @ 48 Kg / cum       | M2   | 296.70    | 1        | 2626              | Glass wool of density @ 48 Kg / cum with black glass tissue (BGT)   |
| 15660.   | SS Screws - # 8 x 19                      | EA   | 9.20      | 1        | 2627              |   |
| 15670.   | Weather Sealant - DC 789                  | CAR  | 146.05    | 1        | 2628              |   |
| 15680.   | Cement Board                              | M2   | 288.65    | 1        | 2629              |   |
| 15690.   | Baker rod                                 | M    | 8.05      | 1        | 2630              |   |
| 15700.   | 4 mm thick ACP                            | M2   | 1,304.10  | 1        | 2631              |   |
| 15710.   | Fire Stop                                 | M    | 560.05    | 1        | 2632              |   |
| 15720.   | GI/Aluminium Sheet (0.8 mm thick)         | KG   | 64.40     | 1        | 2634              |   |
| 15730.   | GI Screws of gauge 10, length 25 mm       | EA   | 3.80      | 1        | 2635              | GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section  |
| 15740.   | GI Screws of gauge 10, length 45 mm       | EA   | 3.74      | 1        | 2636              | GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section  |
| 15750.   | Vapour barrier                            | M2   | 211.60    | 1        | 2637              |   |
| 15760.   | fire resistant glass panes min 11 mm thk  | M2   | 30,130.00 | 1        | 2640              | Clear.toughened interlayered,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating)                            |
| 15770.   | G.I U beading of 1.6 mm thick G.I sheet   | M    | 294.40    | 1        | 2641              | G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.  |
| 15780.   | Ceramic tape 5 x20 mm size                | M    | 470.35    | 1        | 2642              |   |
| 15790.   | Galvanized Fe(1.6±0.2mm)thk reinforcement | M    | 86.25     | 1        | 3991              | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for small series casement window/door frame, sash, mullion & small series sliding window frame |
|          |   |      |           |          |                   |   |



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|----------|---|------|----------|----------|------------------|--|
| 15800.   | Galvanized Fe(1.6±0.2mm)thk reinforcement | M    | 92.00    | 1        | 3992             | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement window/door frame, sash, mullion, big & small series sliding window frame |
| 15810.   | Galvanized Fe(1.6±0.2mm)thk reinforcement | M    | 120.75   | 1        | 3993             | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series casement door sash   |
| 15820.   | Galvanized Fe(1.6±0.2mm)thk reinforcement | M    | 109.25   | 1        | 3994             | Galvanized iron (1.6 ± 0.2 mm) thick reinforcement for big series sliding window / door sash   |
| 15830.   | G.I fasteners 100 x 8 mm                  | EA   | 23.00    | 1        | 3995             |  |
| 15840.   | SS pipe 304 grades Std 48.6 mm outer dia  | M    | 805.00   | 1        | 5050             | SS pipe 304 grades with press fit technology as per JIS 3448 Standard 48.60 mm outer dia   |
| 15850.   | Coloured inter locking C.C. paver Block   | M2   |          | 1        | 5743             |  |
| 15860.   | Self tapping pan head screw 13 x 3.2 mm   | NO   | 601.45   | 1,000    | 7025             | Self tapping pan head nickel coated mild steel screws of size 13 x 3.2 mm  |
| 15870.   | Fibre joint tape 50 mm wide (90 m) roll   | EA   | 186.30   | 1        | 7026             | Fibre joint tape 50 mm wide (90 metre) roll  |
| 15880.   | Nickel plated M.S. pipe 25 mm dia         | M    | 96.60    | 1        | 7033             |  |
| 15890.   | Bottle Trap                               | EA   | 784.30   | 1        | 7121             |  |
| 15900.   | CP Brass Single levertelephonic W mixer   | EA   | 5,520.00 | 1        | 7122             | CP Brass Single lever telephonic wall mixer of approved make   |
| 15910.   | Glass wool 50 mm thick                    | M2   | 253.00   | 1        | 7274             |  |
| 15920.   | Lock Bar (E 250) - 10 thick MS Plate      | KG   | 95.45    | 1        | 7336             |  |
| 15930.   | GFRG Panel of 124 mm thick                | M2   | 1,030.40 | 1        | 7368             |  |
| 15940.   | 12mmdia50mm long wedge                    | EA   | 9.20     | 1        | 7383             | 12 mm dia 50 mm long wedge type expanded zinc alloy  |

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| Item No. | Description                                | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          | typedash fastener                          |      |        |          |                  | dash fastener   |
| 15950.   | Spigot for standard jointing               | KG   | 50.60  | 1        | 7387             |   |
| 15960.   | Base Jack                                  | EA   | 178.25 | 1        | 7397             |   |
| 15970.   | Challies                                   | EA   | 959.10 | 1        | 7398             |   |
| 15980.   | Cup locks                                  | EA   | 57.50  | 1        | 7399             |   |
| 15990.   | iron pipes 100 mm dia (3000 mm length)     | M    | 826.85 | 1        | 7621             | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)             |
| 16000.   | iron pipe 75 mm dia (3000 mm length pipe)  | M    | 679.65 | 1        | 7622             | Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 75 mm dia (3000 mm length pipe)              |
| 16010.   | iron plain bend 100 mm dia                 | EA   | 262.20 | 1        | 7623             | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 100 mm dia                              |
| 16020.   | iron plain bend 75 mm dia                  | EA   | 175.95 | 1        | 7624             | Hubless centrifugally cast (spun) iron plain bend as per IS 15905 - 75 mm dia                               |
| 16030.   | Fe double equal junction 100x100x100x100   | EA   | 579.60 | 1        | 7625             | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 100x100x100x100 mm dia |
| 16040.   | Fe double equal junction 75x75x75x75 mm    | EA   | 310.50 | 1        | 7626             | Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia     |
| 16050.   | Fe single equal plain junction 100x100x100 | EA   | 434.70 | 1        | 7627             | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia     |
| 16060.   | Fe single equal plain junction 75x75x75x75 | EA   | 244.95 | 1        | 7628             | Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 75x75x75 mm dia        |
| 16070.   | Fe double unequal plain 100x100x75x75mm    | EA   | 455.40 | 1        | 7629             | Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia |
| 16080.   | Fesingle unequal plain junction 100x100x75 | EA   | 410.55 | 1        | 7630             | Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 - 100x100x75 mm dia    |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 16090.   | Fedoubleequalinvertbranch100x100x100x100 | EA   | 859.05 | 1        | 7631              | Hubless centrifugally cast (spun) iron double equal plain invert branch as per IS 15905 - 100x100x100x100 mm dia        |
| 16100.   | Fe single equal invert branch100x100x100 | EA   | 486.45 | 1        | 7632              | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 100x100x100 mm dia            |
| 16110.   | Fesingle equal invert branch75x75x75 mm  | EA   | 296.70 | 1        | 7633              | Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia               |
| 16120.   | Fesingle unequal invertbranch100x100x75  | EA   | 496.80 | 1        | 7634              | Hubless centrifugally cast (spun) iron single unequal plain invert branch 45 degree as per IS 15905 - 100x100x75 mm dia |
| 16130.   | iron 65 mm offset with 100 mm dia pipe   | EA   | 414.00 | 1        | 7635              | Hubless centrifugally cast (spun) iron 65 mm offset with 100 mm dia pipe as per IS 15905                                |
| 16140.   | iron 65 mm offset with 75 mm dia pipe    | EA   | 339.25 | 1        | 7636              | Hubless centrifugally cast (spun) iron 65 mm offset with 75 mm dia pipe as per IS 15905                                 |
| 16150.   | iron 130 mm offset with 100 mm dia pipe  | EA   | 476.10 | 1        | 7637              | Hubless centrifugally cast (spun) iron 130 mm offset with 100 mm dia pipe as per IS 15905                               |
| 16160.   | iron 130 mm offset with 75 mm dia pipe   | EA   | 348.45 | 1        | 7638              | Hubless centrifugally cast (spun) iron 130 mm offset with 75 mm dia pipe as per IS 15905                                |
| 16170.   | iFe bend with access door - 100 mm dia   | EA   | 400.20 | 1        | 7639              | Hubless centrifugally cast (spun) iron bend with access door - 100 mm dia as per IS 15905                               |
| 16180.   | iron bend with access door - 75 mm dia   | EA   | 289.80 | 1        | 7640              | Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905                                |
| 16190.   | iron terminal guard 100 mm dia           | EA   | 310.50 | 1        | 7641              | Hubless centrifugally cast (spun) iron terminal guard (slotted cowl) - 100 mm dia as per IS 15905                       |
| 16200.   | iron trap with 100 mm inlet and 100 mm   | EA   | 655.50 | 1        | 7642              | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905                         |
|          |  |      |        |          |                   |   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
| 16210.   | Fe trap with 100mm inlet and 75mm outlet | EA   | 442.75 | 1        | 7643             | Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 75 mm outlet as per IS 15905               |
| 16220.   | SS 304 grade shielded coupling 100mm dia | EA   | 313.95 | 1        | 7644             | SS 304 grade shielded coupling with EPDM rubber gasket for 100 mm dia Hubless centrifugally cast (spun) iron |
| 16230.   | SS 304 grade shielded coupling 75mm dia  | EA   | 286.35 | 1        | 7645             | SS 304 grade shielded coupling with EPDM rubber gasket for 75 mm dia Hubless centrifugally cast (spun) iron  |
| 16240.   | Concrete paver block grade M-30 60mm thk | M2   | 345.00 | 1        | 7776             | Concrete paver block of grade M-30 made of C&D waste (60mm thickness)  |
| 16250.   | Chemical Rust Remover                    | L    | 333.50 | 1        | 7911             |  |
| 16260.   | Hire charges Drill machine upto 30mm dia | DAY  | 207.00 | 1        | 7912             |  |
| 16270.   | Epoxy                                    | KG   | 437.00 | 1        | 7913             |  |
| 16280.   | SBR Polymer                              | KG   | 230.00 | 1        | 7914             |  |
| 16290.   | Woven PVC cloth                          | M2   | 32.20  | 1        | 7915             |  |
| 16300.   | Hire charges of sand blasting equipment  | DAY  | 575.00 | 1        | 7916             |  |
| 16310.   | Hire charges of compressure              | DAY  | 862.50 | 1        | 7917             |  |
| 16320.   | 25mm thick cement concrete shotcrete     | M2   | 143.75 | 1        | 7918             | 25mm thick cement concrete shotcrete(guniting) with compressor   |
| 16330.   | 50mm thick cement concrete shotcrete     | M2   | 218.50 | 1        | 7919             | 50mm thick cement concrete shotcrete(guniting) with compressor   |
| 16340.   | 75mm thick cement concrete shotcrete     | M2   | 356.50 | 1        | 7920             | 75mm thick cement concrete shotcrete(guniting) with compressor   |
| 16350.   | Adhesive chemical                        | ML   | 2.30   | 1        | 7921             |  |
| 16360.   | Bitof drilling machine Hole              | EA   | 632.50 | 1        | 7922             |  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
|          | upto30mm dia                             |      |          |          |                   |  |
| 16370.   | GI injection nipple 12mm dia, 75mm long  | EA   | 57.50    | 1        | 7923              |  |
| 16380.   | Blowing compressed air for cleaning hole | EA   | 11.50    | 1        | 7924              | Blowing compressed air for cleaning holes upto 30mm dia  |
| 16390.   | L shaped 100mm L, 10mm dia M.S shear key | KG   | 103.50   | 1        | 7925              | L shaped 100mm long, 10mm dia mild steel shear key   |
| 16400.   | Welding charges of shear key             | EA   | 2.88     | 1        | 7926              | Welding charges of shear key to existing reinforcement   |
| 16410.   | Acrylic Polymer chemical for cracks      | KG   | 40.25    | 1        | 7927              |  |
| 16420.   | Hire charges of Plant and machinery      | DAY  | 138.00   | 1        | 7928              | Hire charges of Plant and machinery, it can inject - 350kg/day   |
| 16430.   | Shear loops (6mm dia GI wire rope) 6 no  | EA   | 264.50   | 1        | 7929              | Shear loops (6mm dia GI wire rope) (For vertical joints) 6 nos on each side  |
| 16440.   | dowel tubes 50 to 80mm dia               | M    | 189.75   | 1        | 7930              | dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)   |
| 16450.   | Hooks for lifting 2.5 tonne capacity     | EA   | 356.50   | 1        | 7931              | Hooks for lifting (Alloy steel) having 2.5 tonne capacity  |
| 16460.   | Factory made EPS wall/roofpanel 50mm thk | M2   | 874.00   | 1        | 7996              | Factory made EPS light weight composite sandwiched wall/roof panel (50mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outerface on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each. |
| 16470.   | Factory made EPS wall/roofpanel 60mm thk | M2   | 1,006.25 | 1        | 7997              | Factory made EPS light weight composite sandwiched wall/roof panel (60mm thick) having core material of EPS  |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each  |
| 16480.   | Factory made EPS wall/roofpanel 75mm thk  | M2   | 1,277.65 | 1        | 7998             | Factory made EPS light weight composite sandwitched wall/roof panel (75mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each |
| 16490.   | Factory made EPS wall/roofpanel 90mm thk  | M2   | 1,509.95 | 1        | 7999             | Factory made EPS light weight composite sandwitched wall/roof panel (90mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each |
| 16500.   | Factory made EPS wall/roofpanel 100mm thk | M2   | 1,799.75 | 1        | 8000             | Factory made EPS light weight composite sandwitched wall/roof panel (100mm thick) having core material of EPS granule balls/beads (conforming to IS 4671:1984 and shall have density not less than 15kg per cum). The outer face on both sides of the panels will be non asbestos fiber   |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | cement board confirming to IS 14862:2000 or Calcium silicate board confirming to EN 14306:2009 of 5mm thick each   |
| 16510.   | Factory made EPS Core wall /roof panel    | M2   | 1,964.20 | 1        | 8013              | Factory made EPS Core wallpanel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, kept at 120-135 mm gap and interconnected by the zig zag G.I. wire of 3 mm dia at alternate row by welding. |
| 16520.   | Expanded poly ethylene Foam sheet 4mm thk | M2   | 25.30    | 1        | 8015              | Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m <sup>3</sup>   |
| 16530.   | HDEPE Foam 1mm thick                      | M2   | 13.80    | 1        | 8016              | High Density expanded poly ethylene (EPE) Foam 1mm thick   |
| 16540.   | Fire rated door frame made (1.6 mm GI )   | M    | 1,610.00 | 1        | 8017              | Fire rated door frame made with 1.6 mm thick G.I sheet (120 minutes fire rating)   |
| 16550.   | Fire rated door shutter made with 1.6mm   | M2   | 8,050.00 | 1        | 8018              | Fire rated door shutter made with 1.6 mm thick G.I sheet (120 minutes fire rating) including hinges ( without glass panels)  |
| 16560.   | GI sheet 0.8 mm thick                     | KG   | 79.35    | 1        | 8019              | GI sheet 0.8 mm thick confirming to IS 277:1992  |
| 16570.   | Factory made EPS Core wall /roof panel    | M2   | 714.15   | 1        | 8020              | Factory made EPS Core wall panel /roof panel sandwiched between two Engineered welded wire fabric mesh of 3 mm dia G.I. wire mesh, with 50 mm pitch in both the directions, connected by G.I. wire of 3mm dia at alternate row by welding  |
| 16580.   | Bamboo wood Tile 14mm t 1800x130 mm       | M2   | 4,359.08 | 1        | 8021              | Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm  |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
| 16590.   | Bamboo wood Qtr Round 18mm t 1900mmx18mm | M    | 147.49    | 1        | 8022             | Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm   |
| 16600.   | Bamboo wood door reducer 14mm t 1900x44m | M    | 333.21    | 1        | 8023             | Bamboo wood door reducer 14mm thick of size 1900mm x 44mm  |
| 16610.   | Bamboo wood Skirting 14mm t 1900mmx85mm  | M2   | 376.91    | 1        | 8024             | Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm  |
| 16620.   | Bamboo TileWall Cladding 10mm t 1900x135 | M2   | 4,096.88  | 1        | 8025             | Bamboo wood Tile Wall Cladding 10mm thick of size 1900mm x 135mm   |
| 16630.   | Bamboo wood T-mold 14mm thick            | M    | 316.83    | 1        | 8026             | Bamboo wood T-mold 14mm thick of size 1900mm x 44mm  |
| 16640.   | Bamboo wood Threshold 14mm thick         | M    | 316.83    | 1        | 8027             | Bamboo wood Threshold 14mm thick of size 1900mm x 44mm   |
| 16650.   | Bamboo wood shutter of doors             | CD3  | 2,321.56  | 10       | 8028             |  |
| 16660.   | Bamboo wood panelling (10mm thick)       | CD3  | 2,321.56  | 10       | 8029             |  |
| 16670.   | Superior class Bamboo wood Dframe 65mm t | CD3  | 2,321.56  | 10       | 8030             | Superior class Bamboo wood door frame 65 mm thick,   |
| 16680.   | Aluminium sheets Grade 5052, 4 mm thick  | M2   | 10,120.00 | 1        | 8031             | Aluminium sheets Grade 5052, 4 mm thick for wall panel/deck panel/WRB panel/Kicker Panels/door closing panels ( for form work) |
| 16690.   | Aluminium sheets Grade 5052, 4 mm thick  | M2   | 15,295.00 | 1        | 8032             | Aluminium sheets Grade 5052, 4 mm thick for Internal Corner/Column Corners/ ( for form work)                                   |
| 16700.   | Aluminium sheets Grade 5052, 4 mm thick  | M2   | 38,007.50 | 1        | 8033             | Aluminium sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier ( for form work)   |
| 16710.   | External corner 2050 mm                  | EA   | 1,725.00  | 1        | 8034             |  |



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| Item No. | Description                         | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description |
|----------|-------------------------------------|------|----------|----------|------------------|--------------------|
| 16720.   | External corner 825 mm              | EA   | 747.50   | 1        | 8035             |                    |
| 16730.   | soldier tie 370mm                   | EA   | 382.95   | 1        | 8036             |                    |
| 16740.   | Adjustable prop-2.0 x2.0 m          | EA   | 1,518.00 | 1        | 8037             |                    |
| 16750.   | Pin-50                              | EA   | 17.25    | 1        | 8038             |                    |
| 16760.   | Pin-127                             | EA   | 69.00    | 1        | 8039             |                    |
| 16770.   | wedge                               | EA   | 11.50    | 1        | 8040             |                    |
| 16780.   | wall tie-150 (355 mm )              | EA   | 57.50    | 1        | 8041             |                    |
| 16790.   | Polythene Sleeve 90 x 150mm         | EA   | 3.45     | 1        | 8042             |                    |
| 16800.   | Polythene Roll - 150mm Long.        | EA   | 6.90     | 1        | 8043             |                    |
| 16810.   | Vertical Soldier -1100mm            | EA   | 471.50   | 1        | 8044             |                    |
| 16820.   | Wall Attached Bracket<br>600x1000mm | EA   | 1,253.50 | 1        | 8045             |                    |
| 16830.   | Alignment Pipe - 3.00 Mtr.          | EA   | 1,265.00 | 1        | 8046             |                    |
| 16840.   | Alignment Bracket                   | EA   | 609.50   | 1        | 8047             |                    |
| 16850.   | Tie Rod for Bracket - 500mm         | EA   | 151.80   | 1        | 8048             |                    |
| 16860.   | Anchor Wing Nut Ø100 mm             | EA   | 80.50    | 1        | 8049             |                    |
| 16870.   | Debit Pin - 250mm                   | EA   | 74.75    | 1        | 8050             |                    |
| 16880.   | PVC Pipe Ø20mm - 150mm long         | EA   | 5.75     | 1        | 8051             |                    |
| 16890.   | PVC Cone                            | EA   | 5.75     | 1        | 8052             |                    |
| 16900.   | Bolt+Nut - 16 x 80 mm               | EA   | 46.00    | 1        | 8053             |                    |
| 16910.   | Flat Washer Ø16, 3mm thik           | EA   | 6.90     | 1        | 8054             |                    |
| 16920.   | Bolt+Nut - 16 x 30 mm               | EA   | 23.00    | 1        | 8055             |                    |
| 16930.   | Door spacer 45x45x5-1135mm          | EA   | 460.00   | 1        | 8056             |                    |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          | Long                                     |      |          |          |                  |  |
| 16940.   | Door spacer 45x45x5 - 985mm long         | EA   | 460.00   | 1        | 8057             |  |
| 16950.   | SS ball bearing of size 100 x89x3mm      | EA   | 594.55   | 1        | 8101             |  |
| 16960.   | Zinc alloy (white powder coated)3D Hinge | EA   | 627.90   | 1        | 8116             | Zinc alloy (white powder coated) 3D Hinges for uPVC door   |
| 16970.   | Zinc alloy (white powder coated) handles | EA   | 3,484.50 | 1        | 8117             | Zinc alloy (white powder coated) handles with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door |
| 16980.   | Zinc alloy (white powder coated) handles | EA   | 1,673.25 | 1        | 8118             | Zinc alloy (white powder coated) handles along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding window                     |
| 16990.   | Zinc alloy (white powder coated) handles | EA   | 2,029.75 | 1        | 8119             | Zinc alloy (white powder coated) handles with key along with zinc plated mild steel multi point locking having transmission gear with keeps for uPVC sliding door              |
| 17000.   | casement window frame size 47x50mm       | M    | 257.60   | 1        | 8121             | uPVC extruded (small series) casement window frame size 47x50mm  |
| 17010.   | casement window sash/window size 47x68mm | M    | 285.20   | 1        | 8122             | uPVC extruded (small series) casement window sash/window mullion size 47x68 mm   |
| 17020.   | uPVC extruded bead forcasement W Sash    | M    | 149.50   | 1        | 8125             | uPVC extruded glazing bead of appropriate dimension for small series casement window Sash  |
| 17030.   | uPVC extruded casement window frame      | M    | 442.75   | 1        | 8126             | uPVC extruded (big series) casement window frame size 67x60 mm   |
| 17040.   | uPVC extruded casement door frame        | M    | 506.00   | 1        | 8127             | uPVC extruded (big series) casement door frame size 67x64 mm   |

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|----------|--|------|--------|----------|-------------------|---|
| 17050.   | uPVC extruded casement Wsash/W/D mullion | M    | 603.75 | 1        | 8128              | uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm         |
| 17060.   | uPVC extruded casement door sash         | M    | 724.50 | 1        | 8129              | uPVC extruded (big series) casement door sash size 67x110 mm                                      |
| 17070.   | uPVC extruded glazing bead casement W/D  | M    | 184.00 | 1        | 8130              | uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash      |
| 17080.   | glazing bead for small series sliding W  | M    | 87.40  | 1        | 8131              | uPVC extruded glazing bead of appropriate dimension for small series sliding window sash          |
| 17090.   | glazing bead for Big series sliding W/D  | M    | 112.70 | 1        | 8132              | uPVC extruded glazing bead of appropriate dimension for big series of sliding window/ door sash   |
| 17100.   | small series 2 track sliding W frame     | M    | 300.15 | 1        | 8133              | uPVC extruded (small series) 2 track sliding window frame size 52x44 mm                           |
| 17110.   | big series 2 track sliding W/D frame     | M    | 487.60 | 1        | 8134              | uPVC extruded (big series) 2 track sliding window/door frame size 67x50mm                         |
| 17120.   | small series 3 track sliding W frame     | M    | 494.50 | 1        | 8135              | uPVC extruded (small series) 3 track sliding window frame size 92x44 mm                           |
| 17130.   | big series 3 track sliding W/door frame  | M    | 722.20 | 1        | 8136              | uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm                        |
| 17140.   | small series 2 track sliding window sash | M    | 324.30 | 1        | 8137              | uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm |
| 17150.   | big series 2 track sliding window sash   | M    | 396.75 | 1        | 8138              | uPVC extruded (big series) 2 track sliding window sash size 46x62mm                               |
| 17160.   | big series 3 track sliding window sash   | M    | 415.15 | 1        | 8139              | uPVC extruded (big series) 3 track sliding window sash size 46x62mm                               |
| 17170.   | uPVC extruded interlock small            | M    | 126.50 | 1        | 8140              | uPVC extruded interlock of appropriate dimension for  |

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|----------|---|------|----------|----------|-------------------|---|
|          | series W                                    |      |          |          |                   | small series sliding window sash  |
| 17180.   | uPVC extruded interlock big series W/D      | M    | 138.00   | 1        | 8141              | uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash     |
| 17190.   | uPVC extruded inline adaptor big series W/D | M    | 126.50   | 1        | 8142              | uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash |
| 17200.   | uPVC extruded 2/3 track sliding D sash      | M    | 486.45   | 1        | 8143              | uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm  |
| 17210.   | Bamboo Mat corrugated sheets 3.5 to 4mm t   | M2   | 3,324.65 | 1        | 8144              | Bamboo Mat corrugated sheets 3.5 to 4mm thick conforming to IS 15476:2004                     |
| 17220.   | Bamboo Mat Ridge cap 3.5 to 4mm thick       | M    | 3,231.50 | 1        | 8145              | Bamboo Mat Ridge cap 3.5 to 4mm thick conforming to IS 15476:2004                             |
| 17230.   | 3mm thick Bamboo Mat Board                  | M2   | 1,969.95 | 1        | 8146              | 3mm thick Bamboo Mat Board conforming to IS 13958:1994  |
| 17240.   | 4mm thick Bamboo Mat Board                  | M2   | 2,242.50 | 1        | 8147              | 4mm thick Bamboo Mat Board conforming to IS 13958:1994  |
| 17250.   | 6mm thick Bamboo Mat Board                  | M2   | 2,670.30 | 1        | 8148              | 6mm thick Bamboo Mat Board conforming to IS 13958:1994  |
| 17260.   | 9mm thick Bamboo Mat Board                  | M2   | 3,371.80 | 1        | 8149              | 9 mm thick Bamboo Mat Board conforming to IS 13958:1994                                       |
| 17270.   | 12mm thick Bamboo Mat Board                 | M2   | 3,878.95 | 1        | 8150              | 12 mm thick Bamboo Mat Board conforming to IS 13958:1994                                      |
| 17280.   | Concealed zinc coated hinges 19-20mm thk    | NO   | 655.50   | 10       | 8226              | Concealed zinc coated hinges 19-20 mm thick with mounting plate                               |
| 17290.   | PPR Union 20 mm                             | EA   | 43.70    | 1        | 8306              |   |
| 17300.   | PPR Union 25 mm                             | EA   | 58.65    | 1        | 8307              |   |

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|----------|--|------|----------|----------|------------------|---|
| 17310.   | PPR Union 32 mm                          | EA   | 115.00   | 1        | 8308             |   |
| 17320.   | PPR Union 40 mm                          | EA   | 227.70   | 1        | 8309             |   |
| 17330.   | PPR Union 50 mm                          | EA   | 420.90   | 1        | 8310             |   |
| 17340.   | PPR Union 63 mm                          | EA   | 526.70   | 1        | 8311             |   |
| 17350.   | PPR Union 75 mm                          | EA   | 1,150.00 | 1        | 8312             |   |
| 17360.   | Water for jetting / blowback             | L    | 1,667.50 | 1,000    | 8500             |   |
| 17370.   | Fibrereinforced liquidwater proofing mem | L    | 293.25   | 1        | 8511             | Fibre reinforced elastomeric liquid water proofing membrane   |
| 17380.   | Cementitious water proofing coating      | KG   | 195.50   | 1        | 8512             | Cementitious water proofing coating with elastic polymers   |
| 17390.   | Acrylic modified resin based texture     | KG   | 57.50    | 1        | 8513             |   |
| 17400.   | 40 mm long S.S screws with plastic plug  | EA   | 57.50    | 1        | 8514             | 40 mm long S.S screws with plastic rawl plugs   |
| 17410.   | Galavanised MS 8 mm OD M-6 D fastener    | EA   | 57.50    | 1        | 8515             | Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long  |
| 17420.   | ZMB 60/equivalent                        | KG   | 149.50   | 1        | 8516             |   |
| 17430.   | ZMB thinner                              | L    | 287.50   | 1        | 8517             |   |
| 17440.   | Zycoprime / equivalent                   | L    | 195.50   | 1        | 8518             |   |
| 17450.   | Zycosil / equivalent                     | L    | 1,656.00 | 1        | 8519             |   |
| 17460.   | Elastobar / equivalent                   | KG   | 345.00   | 1        | 8520             |   |
| 17470.   | ceiling tiles 595 x595mm,16 mm thick     | M2   | 1,058.00 | 1        | 8552             | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick  |
| 17480.   | tegular edged ceiling tiles 595 x595m    | M2   | 1,173.00 | 1        | 8553             | Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications. |

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| Item No. | Description                                 | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|----------|----------|------------------|--|
| 17490.   | ceiling tiles 595 x595mm,20 mm thick.       | M2   | 1,345.50 | 1        | 8554             | Mineral fiber beveled tegular edged ceiling tiles 595 x595mm,20 mm thick.  |
| 17500.   | G.I main runner 15 x32 mm of 3000 mm L      | EA   | 163.30   | 1        | 8555             | G.I main runner 15 x32 mm of 3000 mm length, 0.33 mm thick   |
| 17510.   | G.I cross-T 15 x32 mm of 1200 mm length,    | EA   | 65.55    | 1        | 8556             | G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick   |
| 17520.   | G.I cross-T 15 x32 mm of 600 mm length,     | EA   | 33.35    | 1        | 8557             | G.I cross-T 15 x32 mm of 600 mm length, 0.33 mm thick  |
| 17530.   | G.I hanger rod 6mm dia                      | EA   | 19.55    | 1        | 8558             | G.I hanger rod 6mm dia fully threaded upto 1000 mm length  |
| 17540.   | SS U Channel of size (50x25x2mm)            | M    | 202.40   | 1        | 8559             | Stainless steel U Channel of size (50x25x2mm)  |
| 17550.   | Non staining water resistant clear Si       | M    | 92.00    | 1        | 8560             | Non staining water resistant clear silicon   |
| 17560.   | Extruded polystyrene insulation board 50mm  | M2   | 701.50   | 1        | 8561             | Extruded polystyrene rigid insulation board 50 mm thick  |
| 17570.   | Expanded Polystyrene insulation board 120mm | M2   | 1,012.00 | 1        | 8562             | Expanded Polystyrene insulation board 120 mm thick confirming to IS 4671-1984, Fire retardant property self-extinguishing type as per EN 13501-1 |
| 17580.   | 15 mm thk false ceiling tiles 595x595mm     | M2   | 1,063.75 | 1        | 8563             | 15 mm thick, light weight, integral densified micro look edged, false ceiling tiles of size 595x595 mm.  |
| 17590.   | 15 mm thick, Sq./butt edge false ceiling    | M2   | 1,040.75 | 1        | 8564             | 15 mm thick, light weight, fully perforated square/butt edge integral densified, false ceiling tiles of size 595x595 mm.                         |
| 17600.   | Galavanised MS hanger rod 6 mm dia          | EA   | 19.55    | 1        | 8565             | Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length  |
| 17610.   | T ceiling sections 15x42x.4mm               | EA   | 340.40   | 1        | 8566             | Powder coated steel section main-T ceiling sections  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          | (3000mm L)                               |      |        |          |                   | 15x42x0.40 mm (3000 mm long)  |
| 17620.   | M.S perimeter wall angle 22x19x0.40 mm   | EA   | 150.65 | 1        | 8567              | Galvanized mild steel perimeter wall angle 22x19x0.40 mm (3000 mm long)   |
| 17630.   | G.I cross-T section 15x42x.4mm(1200mm L) | EA   | 138.00 | 1        | 8568              | Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)                         |
| 17640.   | G.I cross-T section 15x42x.4mm(600 mm L) | EA   | 69.00  | 1        | 8569              | Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long )                          |
| 17650.   | GI Main T ceiling section 30x25x0.3 mm   | EA   | 276.00 | 1        | 8570              | GI Main T ceiling section 30x25x0.3 mm (3 metre long)   |
| 17660.   | GI Perimeter wall angle 25x25x0.4 mm     | EA   | 230.00 | 1        | 8571              | GI Perimeter wall angle 25x25x0.4 mm (3 metre long)   |
| 17670.   | GI Intermediate T section 25x25x.3mm     | EA   | 103.50 | 1        | 8572              | GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)   |
| 17680.   | GI Intermediate T section 25x25x.3mm     | EA   | 51.75  | 1        | 8573              | GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)   |
| 17690.   | GI intermediate T section wire 3mm dia   | M2   | 264.50 | 1        | 8576              | Powder coated Galvanized Iron intermediate cross-T section wire diameter 3.00 mm).                              |
| 17700.   | Crates made of Mesh type 10x12 mm        | M2   | 322.00 | 1        | 8577              | Crates made of Mesh type 10x12 (D=100 mm) Zn+PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD).               |
| 17710.   | Crates made of Mesh type 10x12 mm        | M2   | 368.00 | 1        | 8578              | Crates made of Mesh type 10x12 (D=100 mm) Zn+10% Al alloy +PVC coated. Mesh wire diameter 2.70/3.70 mm (ID/OD). |
| 17720.   | Cold form C-section of thickness 0.75mm  | KG   | 184.00 | 1        | 8579              | Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/slitting etc.                        |
| 17730.   | Wastage of cold form light gauge         | KG   | 25.30  | 1        | 8580              |   |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          | steel                                     |      |        |          |                   |   |
| 17740.   | tegularedge semiperforated GRG F.ceiling  | M2   | 695.75 | 1        | 8581              | 12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm  |
| 17750.   | tegularedge fullyperforated GRG F.ceiling | M2   | 738.30 | 1        | 8582              | 12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm |
| 17760.   | 10 mm t sq.edge fully perforatedF.ceiling | M2   | 878.60 | 1        | 8583              | 10 mm thick square edge fully perforated GRG(Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm          |
| 17770.   | GI T section 15x32x0.33 mm 600mm L        | EA   |        | 1        | 8587              | Galvanized iron intermediate cross-T section 15x32x0.33 mm (600mm long)   |
| 17780.   | Galavanised MS hanger rod 6mm diameter    | EA   | 19.55  | 1        | 8588              | Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000 mm length  |
| 17790.   | MS 8mm outer diameter M-6 dash fastener   | EA   | 17.25  | 1        | 8596              | Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long  |
| 17800.   | MS L-shape level adjuster size85x25x2 mm  | EA   | 20.70  | 1        | 8619              | Galavanised MS L-shape level adjuster of size 85x25x2 mm  |
| 17810.   | SS pipe 304 grades 48.60 mm outer dia     | M    | 779.70 | 1        | 8701              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia                                    |
| 17820.   | Coupling/Socket for 15.88mm OD SS pipe    | EA   | 75.90  | 1        | 8702              | Coupling/Socket fittings for 15.88 mm outer dia SS pipe   |
| 17830.   | Zn alloy touch lock forwire mesh shutter  | EA   | 175.95 | 1        | 8749              | Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter   |
| 17840.   | GI Fastener 100x8 mm                      | EA   | 19.55  | 1        | 8777              |   |
|          |   |      |        |          |                   |   |



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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|--------|----------|-------------------|--|
| 17850.   | SS pipe 304 grades standard 15.88 mm OD   | M    | 178.25 | 1        | 8779              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 15.88 mm outer dia |
| 17860.   | SS pipe 304 grades standard 22.22 mm OD   | M    | 316.25 | 1        | 8780              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 22.22 mm outer dia |
| 17870.   | SS pipe 304 grades standard 28.58 mm OD   | M    | 396.75 | 1        | 8781              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 28.58 mm outer dia |
| 17880.   | SS pipe 304 grades standard 34.00 mm OD   | M    | 557.75 | 1        | 8782              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia |
| 17890.   | SS pipe 304 grades standard 42.70 mm OD   | M    | 580.75 | 1        | 8783              | SS pipe 304 grades with press fit technology as per JIS 3448 standard 42.70 mm outer dia |
| 17900.   | Coupling/Socket for 22.22 mm OD SS pipe   | EA   | 92.00  | 1        | 8786              | Coupling/Socket fittings for 22.22 mm outer dia SS pipe                                  |
| 17910.   | Coupling/Socket for 28.58 mm OD SS pipe   | EA   | 126.50 | 1        | 8787              | Coupling/Socket fittings for 28.58 mm outer dia SS pipe                                  |
| 17920.   | Coupling/Socket for 34.00 mm OD SS pipe   | EA   | 172.50 | 1        | 8788              | Coupling/Socket fittings for 34.00 mm outer dia SS pipe                                  |
| 17930.   | Coupling/Socket for 42.70 mm OD SS pipe   | EA   | 207.00 | 1        | 8789              | Coupling/Socket fittings for 42.70 mm outer dia SS pipe                                  |
| 17940.   | Coupling/Socket for 48.60 mm OD SS pipe   | EA   | 235.75 | 1        | 8790              | Coupling/Socket fittings for 48.60 mm outer dia SS pipe                                  |
| 17950.   | Reducer for 22.22 mm X 15.88mm OD SS pipe | EA   | 112.70 | 1        | 8791              | Reducer for 22.22 mm X 15.88 mm outer Dia SS pipe  |
| 17960.   | Reducer for 28.58 mm X 15.88mm OD SS pipe | EA   | 150.65 | 1        | 8792              | Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe  |
| 17970.   | Reducer for 28.58 mm X 22.22mm            | EA   | 152.95 | 1        | 8793              | Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe  |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description                                |
|----------|--|------|--------|----------|------------------|---|
|          | OD SSpipe                                |      |        |          |                  |   |
| 17980.   | Reducer for 34.00 mm X 15.88mm OD SSpipe | EA   | 253.00 | 1        | 8794             | Reducer for 34.00 mm X 15.88 mm outer Dia SS pipe |
| 17990.   | Reducer for 34.00 mm X 22.22mm OD SSpipe | EA   | 264.50 | 1        | 8795             | Reducer for 34.00 mm X 22.22 mm outer Dia SS pipe |
| 18000.   | Reducer for 34.00 mm X 28.58mm OD SSpipe | EA   | 264.50 | 1        | 8796             | Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe |
| 18010.   | Reducer for 42.70 mm X 15.88mm OD SSpipe | EA   | 418.60 | 1        | 8797             | Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe |
| 18020.   | Reducer for 42.70 mm X 22.22mm OD SSpipe | EA   | 427.80 | 1        | 8798             | Reducer for 42.70 mm X 22.22 mm outer Dia SS pipe |
| 18030.   | Reducer for 42.70 mm X 28.58mm OD SSpipe | EA   | 489.90 | 1        | 8799             | Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe |
| 18040.   | Reducer for 42.70 mm X 34.0mm OD SSpipe  | EA   | 519.80 | 1        | 8800             | Reducer for 42.70 mm X 34.00 mm outer Dia SS pipe |
| 18050.   | Reducer for 48.60 mm X 15.88mm OD SSpipe | EA   | 519.80 | 1        | 8801             | Reducer for 48.60 mm X 15.88 mm outer Dia SS pipe |
| 18060.   | Reducer for 48.60 mm X 22.22mm OD SSpipe | EA   | 519.80 | 1        | 8802             | Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe |
| 18070.   | Reducer for 48.60 mm X 28.58mm OD SSpipe | EA   | 519.80 | 1        | 8803             | Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe |
| 18080.   | Reducer for 48.60 mm X 34.00mm OD SSpipe | EA   | 537.05 | 1        | 8804             | Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe |
| 18090.   | Reducer for 48.60 mm X 42.70mm OD SSpipe | EA   | 539.35 | 1        | 8805             | Reducer for 48.60 mm X 42.70 mm outer Dia SS pipe |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description                                   |
|----------|--|------|--------|----------|-------------------|--|
| 18100.   | Slip Coupling / Socket 15.88mm OD SSpipe | EA   | 74.75  | 1        | 8806              | Slip Coupling / Socket 15.88 mm outer dia SS pipe    |
| 18110.   | Slip Coupling / Socket 22.2mm OD SSpipe  | EA   | 92.00  | 1        | 8807              | Slip Coupling / Socket 22.22 mm outer dia SS pipe    |
| 18120.   | Slip Coupling / Socket 28.58mm OD SSpipe | EA   | 126.50 | 1        | 8808              | Slip Coupling / Socket 28.58 mm outer dia SS pipe    |
| 18130.   | Slip Coupling / Socket 34.00mm OD SSpipe | EA   | 178.25 | 1        | 8809              | Slip Coupling / Socket 34.00 mm outer dia SS pipe    |
| 18140.   | Slip Coupling / Socket 42.70mm OD SSpipe | EA   | 207.00 | 1        | 8810              | Slip Coupling / Socket 42.70 mm outer dia SS pipe    |
| 18150.   | Slip Coupling / Socket 48.60mm OD SSpipe | EA   | 224.25 | 1        | 8811              | Slip Coupling / Socket 48.60 mm outer dia SS pipe    |
| 18160.   | Elbow 90° for 15.88 mm outer dia SS pipe | EA   | 80.50  | 1        | 8812              | Elbow 90° for 15.88 mm outer dia SS pipe             |
| 18170.   | Elbow 90° for 22.22 mm outer dia SS pipe | EA   | 92.00  | 1        | 8813              |  |
| 18180.   | Elbow 90° for 28.58 mm outer dia SS pipe | EA   | 132.25 | 1        | 8814              |  |
| 18190.   | Elbow 90° for 34.00 mm outer dia SS pipe | EA   | 165.60 | 1        | 8815              |  |
| 18200.   | Elbow 90° for 42.70 mm outer dia SS pipe | EA   | 179.40 | 1        | 8816              |  |
| 18210.   | Elbow 90° for 48.60 mm outer dia SS pipe | EA   | 220.80 | 1        | 8817              |  |
| 18220.   | R.Elbow 90° 22.22 mmX15.88mm             | EA   | 180.55 | 1        | 8818              | Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
|          | OD SS pipe                               |      |          |          |                  | SS pipe  |
| 18230.   | R.Elbow 90° 28.58 mmX15.88mm OD SS pipe  | EA   | 246.10   | 1        | 8819             | Reducing Elbow 90° for 28.58 mm X 15.88 mm outer dia SS pipe |
| 18240.   | R.Elbow 90° 28.58 mmX22.22mm OD SS pipe  | EA   | 257.60   | 1        | 8820             | Reducing Elbow 90° for 28.58 mm X 22.22 mm outer dia SS pipe |
| 18250.   | R.Elbow 90° 34.00 mmX22.22mm OD SS pipe  | EA   | 345.00   | 1        | 8821             | Reducing Elbow 90° for 34.00 mm X 22.22 mm outer dia SS pipe |
| 18260.   | R.Elbow 90° 34.00 mmX28.58mm OD SS pipe  | EA   | 414.00   | 1        | 8822             | Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia SS pipe |
| 18270.   | R.Elbow 90° 42.70 mmX34.00mm OD SS pipe  | EA   | 448.50   | 1        | 8823             | Reducing Elbow 90° for 42.70 mm X 34.00 mm outer dia SS pipe |
| 18280.   | Equal Tee for 15.88 mm outer dia SS pipe | EA   | 159.85   | 1        | 8824             |  |
| 18290.   | Equal Tee for 22.22 mm outer dia SS pipe | EA   | 242.65   | 1        | 8825             |  |
| 18300.   | Equal Tee for 28.58 mm outer dia SS pipe | EA   | 377.20   | 1        | 8826             |  |
| 18310.   | Equal Tee for 34.00 mm outer dia SS pipe | EA   | 556.60   | 1        | 8827             |  |
| 18320.   | Equal Tee for 42.70 mm outer dia SS pipe | EA   | 879.75   | 1        | 8828             |  |
| 18330.   | Equal Tee for 48.60 mm outer dia SS pipe | EA   | 1,155.75 | 1        | 8829             |  |
| 18340.   | ReducingTee for 22.22X15.88mm OD SS pipe | EA   | 217.35   | 1        | 8830             | Reducing Tee for 22.22 mm X15.88 mm outer dia SS pipe        |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                                    |
|----------|--|------|----------|----------|-------------------|---|
| 18350.   | ReducingTee for 28.58X15.88mm OD SS pipe | EA   | 288.65   | 1        | 8831              | Reducing Tee for 28.58 mm X15.88 mm outer dia SS pipe |
| 18360.   | ReducingTee for 28.58X22.22mm OD SS pipe | EA   | 293.25   | 1        | 8832              | Reducing Tee for 28.58 mm X22.22 mm outer dia SS pipe |
| 18370.   | ReducingTee for 34.00X15.88mm OD SS pipe | EA   | 511.75   | 1        | 8833              | Reducing Tee for 34.00 mm X15.88 mm outer dia SS pipe |
| 18380.   | ReducingTee for 34.00X22.22mm OD SS pipe | EA   | 529.00   | 1        | 8834              | Reducing Tee for 34.00 mm X22.22 mm outer dia SS pipe |
| 18390.   | ReducingTee for 34.00X28.58mm OD SS pipe | EA   | 546.25   | 1        | 8835              | Reducing Tee for 34.00 mm X28.58 mm outer dia SS pipe |
| 18400.   | ReducingTee for 42.70X15.88mm OD SS pipe | EA   | 845.25   | 1        | 8836              | Reducing Tee for 42.70 mm X15.88 mm outer dia SS pipe |
| 18410.   | ReducingTee for 42.70X22.22mm OD SS pipe | EA   | 862.50   | 1        | 8837              | Reducing Tee for 42.70 mm X22.22 mm outer dia SS pipe |
| 18420.   | ReducingTee for 42.70X28.58mm OD SS pipe | EA   | 885.50   | 1        | 8838              | Reducing Tee for 42.70 mm X28.58 mm outer dia SS pipe |
| 18430.   | ReducingTee for 42.70X34.00mm OD SS pipe | EA   | 908.50   | 1        | 8839              | Reducing Tee for 42.70 mm X34.00 mm outer dia SS pipe |
| 18440.   | ReducingTee for 48.60X15.88mm OD SS pipe | EA   | 1,035.00 | 1        | 8840              | Reducing Tee for 48.60 mm X15.88 mm outer dia SS pipe |
| 18450.   | ReducingTee for 48.60X22.22mm OD SS pipe | EA   | 1,047.65 | 1        | 8841              | Reducing Tee for 48.60 mm X22.22 mm outer dia SS pipe |
| 18460.   | ReducingTee for 48.60X28.58mm OD SS pipe | EA   | 1,067.20 | 1        | 8842              | Reducing Tee for 48.60 mm X28.58 mm outer dia SS pipe |
| 18470.   | ReducingTee for 48.60X34.00mm            | EA   |          | 1        | 8843              | Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
|          | OD SS pipe                               |      |          |          |                  |   |
| 18480.   | ReducingTee for 48.60X42.70mm OD SS pipe | EA   | 1,132.75 | 1        | 8844             | Reducing Tee for 48.60mm X 42.70mm outer dia SS pipe                                |
| 18490.   | SSMale thread T 15.88 mmODX15 mm nom.dia | EA   | 235.75   | 1        | 8845             | Stainless steel Male thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded |
| 18500.   | SSMale thread T 22.22 mmODX15 mm nom.dia | EA   | 270.25   | 1        | 8846             | Stainless steel Male thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded |
| 18510.   | SSMale thread T 22.22 mmODX20 mm nom.dia | EA   | 287.50   | 1        | 8847             | Stainless steel Male thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded |
| 18520.   | SSMale thread T 28.58 mmODX15 mm nom.dia | EA   | 362.25   | 1        | 8848             | Stainless steel Male thread Tee for 28.58 mm outer dia X 15 mm nomina dia threaded  |
| 18530.   | SSMale thread T 28.58 mmODX20 mm nom.dia | EA   | 373.75   | 1        | 8849             | Stainless steel Male thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded |
| 18540.   | SSMale thread T 28.58 mmODX25 mm nom.dia | EA   | 385.25   | 1        | 8850             | Stainless steel Male thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded |
| 18550.   | SSMale thread T 34.00 mmODX15 mm nom.dia | EA   | 534.75   | 1        | 8851             | Stainless steel Male thread Tee for 34.00 mm outer dia X 15 mm nominal dia threaded |
| 18560.   | SSMale thread T 34.00 mmODX20 mm nom.dia | EA   | 546.25   | 1        | 8852             | Stainless steel Male thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded |
| 18570.   | SSMale thread T 34.00 mmODX25 mm nom.dia | EA   | 569.25   | 1        | 8853             | Stainless steel Male thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded |
| 18580.   | SSMale thread T 34.00 mmODX32 mm nom.dia | EA   | 592.25   | 1        | 8854             | Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded |
| 18590.   | SSMale thread T 42.70 mmODX15 mm nom.dia | EA   | 816.50   | 1        | 8855             | Stainless steel Male thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded |

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|----------|--|------|----------|----------|------------------|---|
| 18600.   | SSMale thread T 42.70 mmODX20 mm nom.dia | EA   | 833.75   | 1        | 8856             | Stainless steel Male thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded   |
| 18610.   | SSMale thread T 42.70 mmODX25 mm nom.dia | EA   | 879.75   | 1        | 8857             | Stainless steel Male thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded   |
| 18620.   | SSMale thread T 42.70 mmODX32 mm nom.dia | EA   | 914.25   | 1        | 8858             | Stainless steel Male thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded   |
| 18630.   | SSMale thread T 42.70 mmODX40 mm nom.dia | EA   | 948.75   | 1        | 8859             | Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded   |
| 18640.   | SSMale thread T 48.60 mmODX15 mm nom.dia | EA   | 1,144.25 | 1        | 8860             | Stainless steel Male thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded   |
| 18650.   | SSMale thread T 48.60 mmODX20 mm nom.dia | EA   | 1,166.10 | 1        | 8861             | Stainless steel Male thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded   |
| 18660.   | SSMale thread T 48.60 mmODX25 mm nom.dia | EA   | 1,178.75 | 1        | 8862             | Stainless steel Male thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded   |
| 18670.   | SSMale thread T 48.60 mmODX32 mm nom.dia | EA   | 1,207.50 | 1        | 8863             | Stainless steel Male thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded   |
| 18680.   | SSMale thread T 48.60 mmODX40 mm nom.dia | EA   | 1,242.00 | 1        | 8864             | Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded   |
| 18690.   | SSMale thread T 48.60 mmODX50 mm nom.dia | EA   | 1,282.25 | 1        | 8865             | Stainless steel Male thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded   |
| 18700.   | SSFemale thread T 15.88mmODX15mm nom.dia | EA   | 224.25   | 1        | 8866             | Stainless steel Female thread Tee for 15.88 mm outer dia X 15 mm nominal dia threaded |
| 18710.   | SSFemale thread T 22.22mmODX15mm nom.dia | EA   | 247.25   | 1        | 8867             | Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded |
| 18720.   | SSFemale thread T                        | EA   | 258.75   | 1        | 8868             | Stainless steel Female thread Tee for 22.22 mm outer dia                              |

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| Item No. | Description                                 | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
|          | 22.22mmODX20mm nom.dia                      |      |        |          |                  | X 20 mm nominal dia threaded   |
| 18730.   | SSFemale thread T<br>28.58mmODX15mm nom.dia | EA   | 327.75 | 1        | 8869             | Stainless steel Female thread Tee for 28.58 mm outer dia<br>X 15 mm nominal dia threaded |
| 18740.   | SSFemale thread T<br>28.58mmODX20mm nom.dia | EA   | 339.25 | 1        | 8870             | Stainless steel Female thread Tee for 28.58 mm outer dia<br>X 20 mm nominal dia threaded |
| 18750.   | SSFemale thread T<br>28.58mmODX25mm nom.dia | EA   | 350.75 | 1        | 8871             | Stainless steel Female thread Tee for 28.58 mm outer dia<br>X 25 mm nominal dia threaded |
| 18760.   | SSFemale thread T<br>34.00mmODX15mm nom.dia | EA   | 523.25 | 1        | 8872             | Stainless steel Female thread Tee for 34.00 mm outer dia<br>X 15 mm nominal dia threaded |
| 18770.   | SSFemale thread T<br>34.00mmODX20mm nom.dia | EA   | 557.75 | 1        | 8873             | Stainless steel Female thread Tee for 34.00 mm outer dia<br>X 20 mm nominal dia threaded |
| 18780.   | SSFemale thread T<br>34.00mmODX25mm nom.dia | EA   | 592.25 | 1        | 8874             | Stainless steel Female thread Tee for 34.00 mm outer dia<br>X 25 mm nominal dia threaded |
| 18790.   | SSFemale thread T<br>34.00mmODX32mm nom.dia | EA   | 626.75 | 1        | 8875             | Stainless steel Female thread Tee for 34.00 mm outer dia<br>X 32 mm nominal dia threaded |
| 18800.   | SSFemale thread T<br>42.70mmODX15mm nom.dia | EA   | 805.00 | 1        | 8876             | Stainless steel Female thread Tee for 42.70 mm outer dia<br>X 15 mm nominal dia threaded |
| 18810.   | SSFemale thread T<br>42.70mmODX20mm nom.dia | EA   | 816.50 | 1        | 8877             | Stainless steel Female thread Tee for 42.70 mm outer dia<br>X 20 mm nominal dia threaded |
| 18820.   | SSFemale thread T<br>42.70mmODX25mm nom.dia | EA   | 839.50 | 1        | 8878             | Stainless steel Female thread Tee for 42.70 mm outer dia<br>X 25 mm nominal dia threaded |
| 18830.   | SSFemale thread T<br>42.70mmODX32mm nom.dia | EA   | 862.50 | 1        | 8879             | Stainless steel Female thread Tee for 42.70 mm outer dia<br>X 32 mm nominal dia threaded |
| 18840.   | SSFemale thread T<br>42.70mmODX40mm nom.dia | EA   | 925.75 | 1        | 8880             | Stainless steel Female thread Tee for 42.70 mm outer dia<br>X 40 mm nominal dia threaded |



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| Item No. | Description                                 | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 18850.   | SSFemale thread T<br>48.60mmODX15mm nom.dia | EA   | 1,040.75 | 1        | 8881             | Stainless steel Female thread Tee for 48.60 mm outer dia X 15 mm nominal dia threaded             |
| 18860.   | SSFemale thread T<br>48.60mmODX20mm nom.dia | EA   | 1,052.25 | 1        | 8882             | Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded             |
| 18870.   | SSFemale thread T<br>48.60mmODX25mm nom.dia | EA   | 1,069.50 | 1        | 8883             | Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded             |
| 18880.   | SSFemale thread T<br>48.60mmODX32mm nom.dia | EA   | 1,127.00 | 1        | 8884             | Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded             |
| 18890.   | SSFemale thread T<br>48.60mmODX40mm nom.dia | EA   | 1,155.75 | 1        | 8885             | Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded             |
| 18900.   | SSFemale thread T<br>48.60mmODX50mm nom.dia | EA   | 1,247.75 | 1        | 8886             | Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded             |
| 18910.   | SSConnector/adaptor<br>15.88ODX15mm nom.dia | EA   | 213.90   | 1        | 8887             | Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded |
| 18920.   | SSConnector/adaptor<br>22.22ODX15mm nom.dia | EA   | 235.75   | 1        | 8888             | Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded |
| 18930.   | SSConnector/adaptor<br>22.22ODX20mm nom.dia | EA   | 272.55   | 1        | 8889             | Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded |
| 18940.   | SSConnector/adaptor<br>28.58ODX15mm nom.dia | EA   | 318.55   | 1        | 8890             | Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 15 mm nominal threaded |
| 18950.   | SSConnector/adaptor<br>28.58ODX20mm nom.dia | EA   | 333.50   | 1        | 8891             | Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded |
| 18960.   | SSConnector/adaptor<br>28.58ODX25mm nom.dia | EA   | 408.25   | 1        | 8892             | Stainless steel Female threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded |
| 18970.   | SSConnector/adaptor                         | EA   | 517.50   | 1        | 8893             | Stainless steel Female threaded Connector/Adapter for   |

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| Item No. | Description                                 | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
|          | 34.00ODX25mm nom.dia                        |      |          |          |                  | 34.00 mm outer dia X 25 mm nominal threaded   |
| 18980.   | SSConnector/adapter<br>34.00ODX32mm nom.dia | EA   | 621.00   | 1        | 8894             | Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded |
| 18990.   | SSConnector/adapter<br>42.70ODX32mm nom.dia | EA   | 770.50   | 1        | 8895             | Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded |
| 19000.   | SSConnector/adapter<br>42.70ODX40mm nom.dia | EA   | 810.75   | 1        | 8896             | Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded |
| 19010.   | SSConnector/adapter<br>48.60ODX40mm nom.dia | EA   | 1,040.75 | 1        | 8897             | Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded |
| 19020.   | SSConnector/adapter<br>48.60ODX50mm nom.dia | EA   | 1,121.25 | 1        | 8898             | Stainless steel Female threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded |
| 19030.   | SSMale threaded C/A<br>15.88ODX15mm nom.dia | EA   | 202.40   | 1        | 8899             | Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded   |
| 19040.   | SSMale threaded C/A<br>22.22ODX15mm nom.dia | EA   | 217.35   | 1        | 8900             | Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded   |
| 19050.   | SSMale threaded C/A<br>22.22ODX20mm nom.dia | EA   | 242.65   | 1        | 8901             | Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded   |
| 19060.   | SSMale threaded C/A<br>28.58ODX20mm nom.dia | EA   | 370.30   | 1        | 8902             | Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded   |
| 19070.   | SSMale threaded C/A<br>28.58ODX25mm nom.dia | EA   | 372.60   | 1        | 8903             | Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded   |
| 19080.   | SSMale threaded C/A<br>34.00ODX25mm nom.dia | EA   | 546.25   | 1        | 8904             | Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded   |
| 19090.   | SSMale threaded C/A<br>34.00ODX32mm nom.dia | EA   | 649.75   | 1        | 8905             | Stainless steel Male threaded Connector/Adapter for 34.00 mm outer dia X 32 mm nominal threaded   |

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| Item No. | Description                                 | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 19100.   | SSMale threaded C/A<br>42.70ODX32mm nom.dia | EA   | 822.25   | 1        | 8906             | Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded |
| 19110.   | SSMale threaded C/A<br>42.70ODX40mm nom.dia | EA   | 839.50   | 1        | 8907             | Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded |
| 19120.   | SSMale threaded C/A<br>48.60ODX40mm nom.dia | EA   | 1,075.25 | 1        | 8908             | Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded |
| 19130.   | SSMale threaded C/A<br>48.60ODX50mm nom.dia | EA   | 1,311.00 | 1        | 8909             | Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 50 mm nominal threaded |
| 19140.   | SS ValveConnector<br>15.88mmODX15mm nom.dia | EA   | 256.45   | 1        | 8910             | Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded             |
| 19150.   | SS ValveConnector<br>22.22mmODX15mm nom.dia | EA   | 294.40   | 1        | 8911             | Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded             |
| 19160.   | SS ValveConnector<br>22.22mmODX20mm nom.dia | EA   | 319.70   | 1        | 8912             | Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded             |
| 19170.   | SS ValveConnector<br>28.58mmODX25mm nom.dia | EA   | 488.75   | 1        | 8913             | Stainless steel Valve Connector for 28.58 mm outer dia X 25 mm nominal dia threaded             |
| 19180.   | SS ValveConnector<br>34.00mmODX32mm nom.dia | EA   | 741.75   | 1        | 8914             | Stainless steel Valve Connector for 34.00 mm outer dia X 32 mm nominal dia threaded             |
| 19190.   | SS ValveConnector<br>42.70mmODX40mm nom.dia | EA   | 1,049.95 | 1        | 8915             | Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded             |
| 19200.   | SS ValveConnector<br>48.60mmODX50mm nom.dia | EA   | 1,420.25 | 1        | 8916             | Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded             |
| 19210.   | SS FemaleTh Elbow<br>15.88mmODX15mm nom.dia | EA   | 218.50   | 1        | 8917             | SS Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded                |
| 19220.   | SS FemaleTh Elbow                           | EA   | 247.25   | 1        | 8918             | Stainless steel Female Threaded Elbow 90o for 22.22 mm  |

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| Item No. | Description                                    | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          | 22.22mmODX15mm nom.dia                         |      |        |          |                  | outer dia X 15 mm nominal dia threaded   |
| 19230.   | SS FemaleTh Elbow<br>22.22mmODX20mm nom.dia    | EA   | 276.00 | 1        | 8919             | Stainless steel Female Threaded Elbow 90o for 22.22 mm<br>outer dia X 20 mm nominal dia threaded |
| 19240.   | SS FemaleTh Elbow<br>28.58mmODX25mm nom.dia    | EA   | 299.00 | 1        | 8920             | Stainless steel Female Threaded Elbow 90o for 28.58 mm<br>outer dia X 25 mm nominal dia threaded |
| 19250.   | SS FemaleTh Elbow<br>34.00mmODX32mm nom.dia    | EA   | 385.25 | 1        | 8921             | Stainless steel Female Threaded Elbow 90o for 34.00 mm<br>outer dia X 32 mm nominal dia threaded |
| 19260.   | SS FemaleTh Elbow<br>42.70mmODX32mm nom.dia    | EA   | 609.50 | 1        | 8922             | Stainless steel Female Threaded Elbow 90o for 42.70 mm<br>outer dia X 32 mm nominal dia threaded |
| 19270.   | SS FemaleTh Elbow<br>42.70mmODX40mm nom.dia    | EA   | 609.50 | 1        | 8923             | Stainless steel Female Threaded Elbow 90o for 42.70 mm<br>outer dia X40 mm nominal dia threaded  |
| 19280.   | SS FemaleTh Elbow<br>48.60mmODX40mm nom.dia    | EA   | 908.50 | 1        | 8924             | Stainless steel Female Threaded Elbow 90o for 48.60 mm<br>outer dia X 40 mm nominal dia threaded |
| 19290.   | SS FemaleTh Elbow<br>48.60mmODX50mm nom.dia    | EA   | 908.50 | 1        | 8925             | Stainless steel Female Threaded Elbow 90o for 48.60 mm<br>outer dia X 50 mm nominal dia threaded |
| 19300.   | SS maleTh<br>Elbow90o15.88mmODX15mm<br>nom.dia | EA   | 263.35 | 1        | 8926             | Stainless steel Male Threaded Elbow 90o for 15.88 mm<br>outer dia X 15 mm nominal dia threaded   |
| 19310.   | SS maleTh<br>Elbow90o22.22mmODX15mm<br>nom.dia | EA   | 287.50 | 1        | 8927             | Stainless steel Male Threaded Elbow 90o for 22.22 mm<br>outer dia X15 mm nominal dia threaded    |
| 19320.   | SS maleTh<br>Elbow90o22.22mmODX20mm<br>nom.dia | EA   | 304.75 | 1        | 8928             | Stainless steel Male Threaded Elbow 900 for 22.22 mm<br>outer dia X20 mm nominal dia threaded    |
| 19330.   | SS maleTh<br>Elbow90o28.58mmODX25mm            | EA   | 327.75 | 1        | 8929             | Stainless steel Male Threaded Elbow 900 for 28.58 mm<br>outer dia X25 mm nominal dia threaded    |

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| Item No. | Description                                    | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
|          | nom.dia  |      |        |          |                  |   |
| 19340.   | SS maleTh<br>Elbow90o34.00mmODX25mm<br>nom.dia | EA   | 362.25 | 1        | 8930             | Stainless steel MaleThreaded Elbow 900 for 34.00 mm<br>outer dia X25 mm nominal dia threaded  |
| 19350.   | SS maleTh<br>Elbow90o34.00mmODX32mm<br>nom.dia | EA   | 362.25 | 1        | 8931             | Stainless steel Male Threaded Elbow 900 for 34.00 mm<br>outer dia X32 mm nominal dia threaded |
| 19360.   | SS maleTh<br>Elbow90o42.70mmODX32mm<br>nom.dia | EA   | 552.00 | 1        | 8932             | Stainless steel Male Threaded Elbow 900 for 42.70 mm<br>outer dia X32 mm nominal dia threaded |
| 19370.   | SS maleTh<br>Elbow90o42.70mmODX40mm<br>nom.dia | EA   | 609.50 | 1        | 8933             | Stainless steel Male Threaded Elbow 900 for 42.70 mm<br>outer dia X40 mm nominal dia threaded |
| 19380.   | SS maleTh<br>Elbow90o48.60mmODX40mm<br>nom.dia | EA   | 879.75 | 1        | 8934             | Stainless steel Male Threaded Elbow 900 for 48.60 mm<br>outer dia X40 mm nominal dia threaded |
| 19390.   | SS maleTh<br>Elbow90o48.60mmODX50mm<br>nom.di  | EA   | 960.25 | 1        | 8935             | Stainless steel Male Threaded Elbow 900 for 48.60 mm<br>outer dia X50 mm nominal dia threaded |
| 19400.   | Stainless steel Cap for 15.88 mm<br>OD pipe    | EA   | 47.15  | 1        | 8936             | Stainless steel Cap for 15.88 mm outer dia pipe   |
| 19410.   | Stainless steel Cap for 22.22 mm<br>OD pipe    | EA   | 69.00  | 1        | 8937             | Stainless steel Cap for 22.22 mm outer dia pipe   |
| 19420.   | Stainless steel Cap for 28.58 mm<br>OD pipe    | EA   | 98.90  | 1        | 8938             | Stainless steel Cap for 28.58 mm outer dia pipe   |
| 19430.   | Stainless steel Cap for 34.00 mm               | EA   | 189.75 | 1        | 8939             | Stainless steel Cap for 34.00 mm outer dia pipe   |

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| Item No. | Description                               | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|----------|----------|-------------------|---|
|          | OD pipe                                   |      |          |          |                   |   |
| 19440.   | Stainless steel Cap for 42.70 mm OD pipe  | EA   | 277.15   | 1        | 8940              | Stainless steel Cap for 42.70 mm outer dia pipe                     |
| 19450.   | Stainless steel Cap for 48.60 mm OD pipe  | EA   | 345.00   | 1        | 8941              | Stainless steel Cap for 48.60 mm outer dia pipe                     |
| 19460.   | SS Pipe Bridge for 15.88 mm OD pipe       | EA   | 110.40   | 1        | 8942              | Stainless steel Pipe Bridge for 15.88 mm outer dia pipe             |
| 19470.   | SS Pipe Bridge for 15.88 mm OD pipe       | EA   | 194.35   | 1        | 8943              | Stainless steel Pipe Bridge for 15.88 mm outer dia pipe             |
| 19480.   | SS Pipe Bridge for 28.58 mm OD pipe       | EA   | 312.80   | 1        | 8944              | Stainless steel Pipe Bridge for 28.58 mm outer dia pipe             |
| 19490.   | 4 Point facade glass bracket              | NO   | 4,197.50 | 1        | 8945              | 4 Point facade glass bracket without flat head bolts                |
| 19500.   | 2 Point facade glass bracket              | NO   | 2,098.75 | 1        | 8946              | 2 Point facade glass bracket (wall mounted with out flat head bolt) |
| 19510.   | 1 Point facade glass bracket              | NO   | 1,644.50 | 1        | 8947              | 1 Point facade glass bracket (wall mounted with out flat head bolt) |
| 19520.   | Flate head bolt for brackets              | NO   | 823.40   | 1        | 8948              | Flate head bolt for brackets of spider glazing                      |
| 19530.   | 400 mm long fin plate without fastners    | PAA  | 7,502.60 | 1        | 8949              |   |
| 19540.   | Micro Silica                              | KG   | 28.75    | 1        | 8953              |   |
| 19550.   | Stop end tubes for diaphragmwall .6m dia  | M2   | 5.75     | 1        | 8954              | Stop end tubes for diaphragmwall 600 mm dia.                        |
| 19560.   | Drivingend tube for diaphragmwall .6m dia | M2   | 90.85    | 1        | 8955              | Driving end tubes for diaphragm wall 600 mm dia.                    |
| 19570.   | Extruded GeoGrids Min                     | M2   | 158.70   | 1        | 8956              | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength              |

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|----------|--|------|--------|----------|------------------|--|
|          | T.Strength15KN/m                         |      |        |          |                  | 15 kN/m in the longitudinal and transverse direction   |
| 19580.   | Extruded GeoGrids Min T.Strength20KN/m   | M2   | 178.25 | 1        | 8957             | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 20kN/m in the longitudinal and transverse direction   |
| 19590.   | Extruded GeoGrids Min T.Strength30KN/m   | M2   | 270.25 | 1        | 8958             | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 30kN/m in the longitudinal and transverse direction   |
| 19600.   | Extruded GeoGrids Min T.Strength40KN/m   | M2   | 382.95 | 1        | 8959             | Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction   |
| 19610.   | Geosynthetic Drainage 740 gsm            | M2   | 700.35 | 1        | 8960             | Geosynthetic Drainage with two filtering nonwoven geotextiles having a #W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm having pores of 150 micron and tensile strength of 8.0 kN/m and having plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure ,tensile strength of 18 kN/m , with mass per unit area of 740 gsm. |
| 19620.   | Geosynthetic Drainage 830 gsm            | M2   | 832.60 | 1        | 8961             | Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlaid ribs integrally connected to have a rhomboidal shape with a polyethylene film and a nonwoven geotextile having mass per unit area 130 g/m2 and tensile strength of 8.0 kN/m having in plane flow capacity of 0.7 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 13.5 kN/m , with mass per unit area of 830 gsm,            |
| 19630.   | Synthetic Geogrid Ultimate T.Strength100 | M2   | 264.50 | 1        | 8962             | Synthetic Geogrid having Ultimate tensile strength- 100 kN/m   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description                                    |
|----------|--|------|----------|----------|-------------------|---|
| 19640.   | Syn.Geogrid Ultimate T.Strength150 KN/m  | M2   | 277.15   | 1        | 8963              | Synthetic Geogrid Ultimate tensile strength- 150 kN/m |
| 19650.   | Syn. Geogrid Ultimate T.Strength200 KN/m | M2   | 449.65   | 1        | 8964              | Synthetic Geogrid Ultimate tensile strength- 200 kN/m |
| 19660.   | Syn. Geogrid Ultimate T.Strength250 KN/m | M2   | 462.30   | 1        | 8965              | Synthetic Geogrid Ultimate tensile strength- 250 kN/m |
| 19670.   | Syn. Geogrid Ultimate T strength300KN/m  | M2   | 476.10   | 1        | 8966              | Synthetic Geogrid Ultimate tensile strength- 300kN/m  |
| 19680.   | Syn. Geogrid Ultimate T strength350KN/m  | M2   | 488.75   | 1        | 8967              | Synthetic Geogrid Ultimate tensile strength- 350kN/m  |
| 19690.   | Syn. Geogrid Ultimate T strength400KN/m  | M2   | 594.55   | 1        | 8968              | Synthetic Geogrid Ultimate tensile strength- 400kN/m  |
| 19700.   | Syn. Geogrid Ultimate T strength500KN/m  | M2   | 661.25   | 1        | 8969              | Synthetic Geogrid Ultimate tensile strength- 500kN/m  |
| 19710.   | Syn. Geogrid UltimateT strength600KN/m   | M2   | 726.80   | 1        | 8970              | Synthetic Geogrid Ultimate tensile strength- 600kN/m  |
| 19720.   | Syn.Geogrid Ultimate T strength700KN/m   | M2   | 859.05   | 1        | 8971              | Synthetic Geogrid Ultimate tensile strength- 700kN/m  |
| 19730.   | Syn. Geogrid UltimateT strength800KN/m   | M2   | 957.95   | 1        | 8972              | Synthetic Geogrid Ultimate tensile strength- 800kN/m  |
| 19740.   | Syn. Geogrid Ultimate T strength900KN/m  | M2   | 1,123.55 | 1        | 8973              | Synthetic Geogrid Ultimate tensile strength- 900kN/m  |
| 19750.   | Syn.Geogrid Ultimate T strength1000KN/m  | M2   | 1,255.80 | 1        | 8974              | Synthetic Geogrid Ultimate tensile strength- 1000kN/m |
| 19760.   | Syn.Geogrid Ultimate T                   | M2   | 1,322.50 | 1        | 8975              | Synthetic Geogrid Ultimate tensile strength- 1100kN/m |



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| Item No.                          | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|-----------------------------------|--|------|----------|----------|-------------------|---|
|                                   | strength 1100KN/m                        |      |          |          |                   |   |
| 19770.                            | Syn.Geogrid Ultimate T strength 1200KN/m | M2   | 1,388.05 | 1        | 8976              | Synthetic Geogrid Ultimate tensile strength- 1200kN/m   |
| 19780.                            | Aluminium profile sheet 0.71mm thk       | M2   | 759.00   | 1        | 8977              | Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.71 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm. |
| 19790.                            | Aluminium profile sheet 0.91mm thk       | M2   | 993.60   | 1        | 8978              | Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS 2676, 0.91 mm thick, the profile detail width 1044/920 mm, cover width 1000/875 mm. |
| 19800.                            | C.P. Brass Centre Hole Basin Mixer       | EA   | 2,024.00 | 1        | 9001              | C.P. Brass Centre Hole Basin Mixer With Cast Spout  |
| 19810.                            | "Border tiles 200x75mm size              | EA   | 23.00    | 1        | 8624              |   |
| <b>01 : CARRIAGE OF MATERIALS</b> |  |      |          |          |                   |   |
| 10.                               | Mech.Carriage:0-1km: Bldg rubbish        | M3   | 114.96   | 1        | 1.1.1A            | :Carriage of material by mechanical transport including loading unloading and stacking: Lime, moorum, building rubbish: Upto 1KM  |
| 20.                               | Mech.Carriage:0-2km: Bldg rubbish        | M3   | 131.53   | 1        | 1.1.1B            | :Carriage of material by mechanical transport including loading unloading and stacking: Lime, moorum, building rubbish: Beyond 1KM and Upto 2KM   |
| 30.                               | Mech.Carriage:0-3km: Bldg rubbish        | M3   | 147.83   | 1        | 1.1.1C            | :Carriage of material by mechanical transport including loading unloading and stacking: Lime, moorum, building rubbish: Beyond 2KM and Upto 3KM   |
| 40.                               | Mech.Carriage:0-4km: Bldg rubbish        | M3   | 163.55   | 1        | 1.1.1D            | :Carriage of material by mechanical transport including   |

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| Item No. | Description                         | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|-------------------------------------|------|--------|----------|------------------|---|
|          |                                     |      |        |          |                  | loading unloading and stacking: Lime, moorum, building rubbish: Beyond 3KM and Upto 4KM   |
| 50.      | Mech.Carriage:0-5km: Bldg rubbish   | M3   | 178.74 | 1        | 1.1.1E           | :Carriage of material by mechanical transport including loading unloading and stacking: Lime, moorum, building rubbish: Beyond 4KM and Upto 5KM |
| 60.      | Mech.Carriage:5-10km: Bldg rubbish  | CUK  | 13.86  | 1        | 1.1.1F           | :Extra on Item 1.1.1.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM  |
| 70.      | Mech.Carriage:10-20km: Bldg rubbish | CUK  | 11.56  | 1        | 1.1.1G           | :Extra on Item 1.1.1.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM   |
| 80.      | Mech.Carriage:>20km: Bldg rubbish   | CUK  | 9.72   | 1        | 1.1.1H           | :Extra on Item 1.1.1.G for Carriage of material on every additional KM: Beyond 20KM   |
| 90.      | Mech.Carriage:0-1km: Earth          | M3   | 143.70 | 1        | 1.1.2A           | :Carriage of material by mechanical transport including loading unloading and stacking: Earth: Upto 1KM   |
| 100.     | Mech.Carriage:0-2km: Earth          | M3   | 164.41 | 1        | 1.1.2B           | :Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 1KM and Upto 2KM                          |
| 110.     | Mech.Carriage:0-3km: Earth          | M3   | 184.79 | 1        | 1.1.2C           | :Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 2KM and Upto 3KM                          |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---------------------------------------|------|--------|----------|------------------|--|
| 120.     | Mech.Carriage:0-4km: Earth            | M3   | 204.44 | 1        | 1.1.2D           | :Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 3KM and Upto 4KM |
| 130.     | Mech.Carriage:0-5km: Earth            | M3   | 223.43 | 1        | 1.1.2E           | :Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 4KM and Upto 5KM |
| 140.     | Mech.Carriage:5-10km: Earth           | CUK  | 17.32  | 1        | 1.1.2F           | :Extra on Item 1.1.2.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate: Cum/KM)         |
| 150.     | Mech.Carriage:10-20km: Earth          | CUK  | 14.44  | 1        | 1.1.2G           | :Extra on Item 1.1.2.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate: Cum/KM)        |
| 160.     | Mech.Carriage:>20km: Earth            | CUK  | 12.15  | 1        | 1.1.2H           | :Extra on Item 1.1.2.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)                      |
| 170.     | Mech.Carriage:0-1km: Manure or sludge | M3   | 124.96 | 1        | 1.1.3A           | :Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Upto 1KM     |
| 180.     | Mech.Carriage:0-2km: Manure or sludge | M3   | 142.97 | 1        | 1.1.3B           | :Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge:              |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | Beyond 1KM and Upto 2KM   |
| 190.     | Mech.Carriage:0-3km: Manure or sludge   | M3   | 160.69 | 1        | 1.1.3C           | :Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 2KM and Upto 3KM |
| 200.     | Mech.Carriage:0-4km: Manure or sludge   | M3   | 177.78 | 1        | 1.1.3D           | :Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 3KM and Upto 4KM |
| 210.     | Mech.Carriage:0-5km: Manure or sludge   | M3   | 194.29 | 1        | 1.1.3E           | :Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 4KM and Upto 5KM |
| 220.     | Mech.Carriage:5-10km: Manure or sludge  | CUK  | 15.06  | 1        | 1.1.3F           | :Extra on Item 1.1.3.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate: Cum/KM)                    |
| 230.     | Mech.Carriage:10-20km: Manure or sludge | CUK  | 12.56  | 1        | 1.1.3G           | :Extra on Item 1.1.3.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate: Cum/KM)                   |
| 240.     | Mech.Carriage:>20km: Manure or sludge   | CUK  | 10.57  | 1        | 1.1.3H           | :Extra on Item 1.1.3.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)                                 |
| 250.     | Mech.Carriage:0-1km: Excavated          | M3   | 229.92 | 1        | 1.1.4A           | Carriage of material by mechanical transport including  |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---------------------------------------|------|--------|----------|------------------|---|
|          | rock                                  |      |        |          |                  | loading unloading and stacking: Excavated rock: Upto 1KM  |
| 260.     | Mech.Carriage:0-2km: Excavated rock   | M3   | 263.06 | 1        | 1.1.4B           | :Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 1KM and Upto 2KM |
| 270.     | Mech.Carriage:0-3km: Excavated rock   | M3   | 295.66 | 1        | 1.1.4C           | :Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 2KM and Upto 3KM |
| 280.     | Mech.Carriage:0-4km: Excavated rock   | M3   | 327.11 | 1        | 1.1.4D           | :Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 3KM and Upto 4KM |
| 290.     | Mech.Carriage:0-5km: Excavated rock   | M3   | 357.49 | 1        | 1.1.4E           | :Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 4KM and Upto 5KM |
| 300.     | Mech.Carriage:5-10km: Excavated rock  | CUK  | 27.72  | 1        | 1.1.4F           | :Extra on Item 1.1.4.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate: Cum/KM)                  |
| 310.     | Mech.Carriage:10-20km: Excavated rock | CUK  | 23.11  | 1        | 1.1.4G           | :Extra on Item 1.1.4.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate: Cum/KM)                 |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|---------------------------------------|------|--------|----------|-------------------|--|
| 320.     | Mech.Carriage:>20km: Excavated rock   | CUK  | 19.44  | 1        | 1.1.4H            | :Extra on Item 1.1.4.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)  |
| 330.     | Mech.Carriage:0-1km: Aggregate <40mm  | M3   | 114.96 | 1        | 1.1.5A            | :Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Upto 1KM                |
| 340.     | Mech.Carriage:0-2km: Aggregate <40mm  | M3   | 131.53 | 1        | 1.1.5B            | :Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Beyond 1KM and Upto 2KM |
| 350.     | Mech.Carriage:0-3km: Aggregate <40mm  | M3   | 147.83 | 1        | 1.1.5C            | :Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Beyond 2KM and Upto 3KM |
| 360.     | Mech.Carriage:0-4km: Aggregate <40mm  | M3   | 163.55 | 1        | 1.1.5D            | :Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Beyond 3KM and Upto 4KM |
| 370.     | Mech.Carriage:0-5km: Aggregate <40mm  | M3   | 178.74 | 1        | 1.1.5E            | :Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Beyond 4KM and Upto 5KM |
| 380.     | Mech.Carriage:5-10km: Aggregate <40mm | CUK  | 13.86  | 1        | 1.1.5F            | :Extra on Item 1.1.5.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM   |
|          |                                       |      |        |          |                   |  |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 390.     | Mech.Carriage:10-20km: Aggregate <40mm | CUK  | 11.56  | 1        | 1.1.5G            | :Extra on Item 1.1.5.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM  |
| 400.     | Mech.Carriage:>20km: Aggregate <40mm   | CUK  | 9.72   | 1        | 1.1.5H            | :Extra on Item 1.1.5.G for Carriage of material on every additional KM: Beyond 20KM  |
| 410.     | Mech.Carriage:0-1km: Aggregate >40mm   | M3   | 124.96 | 1        | 1.1.6A            | :Carriage of material by mechanical transport including loading unloading and stacking: Stone aggregate 40mm nominal size and above: Upto 1KM                |
| 420.     | Mech.Carriage:0-2km: Aggregate >40mm   | M3   | 142.97 | 1        | 1.1.6B            | :Carriage of material by mechanical transport including loading unloading and stacking: Stone aggregate 40mm nominal size and above: Beyond 1KM and Upto 2KM |
| 430.     | Mech.Carriage:0-3km: Aggregate >40mm   | M3   | 160.69 | 1        | 1.1.6C            | :Carriage of material by mechanical transport including loading unloading and stacking: Stone aggregate 40mm nominal size and above: Beyond 2KM and Upto 3KM |
| 440.     | Mech.Carriage:0-4km: Aggregate >40mm   | M3   | 177.78 | 1        | 1.1.6D            | :Carriage of material by mechanical transport including loading unloading and stacking: Stone aggregate 40mm nominal size and above: Beyond 3KM and Upto 4KM |
| 450.     | Mech.Carriage:0-5km: Aggregate >40mm   | M3   | 194.29 | 1        | 1.1.6E            | :Carriage of material by mechanical transport including loading unloading and stacking: Stone aggregate 40mm nominal size and above: Beyond 4KM and Upto 5KM |
|          |  |      |        |          |                   |  |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 460.     | Mech.Carriage:5-10km: Aggregate >40mm  | CUK  | 15.06  | 1        | 1.1.6F            | :Extra on Item 1.1.6.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate: Cum/KM)                |
| 470.     | Mech.Carriage:10-20km: Aggregate >40mm | CUK  | 12.56  | 1        | 1.1.6G            | :Extra on Item 1.1.6.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate: Cum/KM)               |
| 480.     | Mech.Carriage:>20km: Aggregate >40mm   | CUK  | 10.57  | 1        | 1.1.6H            | :Extra on Item 1.1.6.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)                             |
| 490.     | Mech.Carriage:0-1km: Soling stone      | M3   | 135.25 | 1        | 1.1.7A            | :Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Upto 1KM                |
| 500.     | Mech.Carriage:0-2km: Soling stone      | M3   | 154.74 | 1        | 1.1.7B            | :Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Beyond 1KM and Upto 2KM |
| 510.     | Mech.Carriage:0-3km: Soling stone      | M3   | 173.92 | 1        | 1.1.7C            | :Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Beyond 2KM and Upto 3KM |
| 520.     | Mech.Carriage:0-4km: Soling stone      | M3   | 192.42 | 1        | 1.1.7D            | :Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Beyond 3KM and Upto 4KM |
|          |  |      |        |          |                   |   |



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| Item No. | Description                         | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|-------------------------------------|------|--------|----------|-------------------|---|
| 530.     | Mech.Carriage:0-5km: Soling stone   | M3   | 210.29 | 1        | 1.1.7E            | :Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Beyond 4KM and Upto 5KM |
| 540.     | Mech.Carriage:5-10km: Soling stone  | CUK  | 16.30  | 1        | 1.1.7F            | :Extra on Item 1.1.7.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate: Cum/KM)                |
| 550.     | Mech.Carriage:10-20km: Soling stone | CUK  | 13.59  | 1        | 1.1.7G            | :Extra on Item 1.1.7.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate: Cum/KM)               |
| 560.     | Mech.Carriage:>20km: Soling stone   | CUK  | 11.44  | 1        | 1.1.7H            | :Extra on Item 1.1.7.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)                             |
| 570.     | Mech.Carriage:0-1km: Bricks         | EA   | 0.31   | 1        | 1.1.8A            | :Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Upto 1KM                      |
| 580.     | Mech.Carriage:0-2km: Bricks         | EA   | 0.35   | 1        | 1.1.8B            | :Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 1KM and Upto 2KM       |
| 590.     | Mech.Carriage:0-3km: Bricks         | EA   | 0.39   | 1        | 1.1.8C            | :Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 2KM and Upto 3KM       |
|          |                                     |      |        |          |                   |   |

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| Item No. | Description                       | Unit | Rate | Per Unit | Schudle Line No. | Detail Description  |
|----------|-----------------------------------|------|------|----------|------------------|---|
| 600.     | Mech.Carriage:0-4km: Bricks       | EA   | 0.44 | 1        | 1.1.8D           | :Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 3KM and Upto 4KM       |
| 610.     | Mech.Carriage:0-5km: Bricks       | EA   | 0.48 | 1        | 1.1.8E           | :Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 4KM and Upto 5KM       |
| 620.     | Mech.Carriage:5-10km: Bricks      | EA   | 0.04 | 1        | 1.1.8F           | :Extra on Item 1.1.8.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:1000 Nos./KM)          |
| 630.     | Mech.Carriage:10-20km: Bricks     | EA   | 0.03 | 1        | 1.1.8G           | :Extra on Item 1.1.8.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:1000 Nos./KM)         |
| 640.     | Mech.Carriage:>20km: Bricks       | EA   | 0.03 | 1        | 1.1.8H           | :Extra on Item 1.1.8.G for Carriage of material on every additional KM: Beyond 20KM( Rate:1000 Nos./KM)                       |
| 650.     | Mech.Carriage:0-1km: Bricks Tiles | EA   | 0.18 | 1        | 1.1.9A           | :Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Upto 1KM                |
| 660.     | Mech.Carriage:0-2km: Bricks Tiles | EA   | 0.21 | 1        | 1.1.9B           | :Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 1KM and Upto 2KM |
|          |                                   |      |      |          |                  |   |

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|----------|--|------|--------|----------|-------------------|---|
| 670.     | Mech.Carriage:0-3km: Bricks Tiles        | EA   | 0.24   | 1        | 1.1.9C            | :Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 2KM and Upto 3KM   |
| 680.     | Mech.Carriage:0-4km: Bricks Tiles        | EA   | 0.26   | 1        | 1.1.9D            | :Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 3KM and Upto 4KM   |
| 690.     | Mech.Carriage:0-5km: Bricks Tiles        | EA   | 0.29   | 1        | 1.1.9E            | :Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 4KM and Upto 5KM   |
| 700.     | Mech.Carriage:5-10km: Bricks Tiles       | EA   | 0.02   | 1        | 1.1.9F            | :Extra on Item 1.1.9.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:1000 Nos./KM)  |
| 710.     | Mech.Carriage:10-20km: Bricks Tiles      | EA   | 0.02   | 1        | 1.1.9G            | :Extra on Item 1.1.9.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:1000 Nos./KM)   |
| 720.     | Mech.Carriage:>20km: Bricks Tiles        | EA   | 0.02   | 1        | 1.1.9H            | :Extra on Item 1.1.9.G for Carriage of material on every additional KM: Beyond 20KM( Rate:1000 Nos./KM)   |
| 730.     | Mech.Carriage:0-1km: Cem/StoneBlocks etc | TON  | 102.19 | 1        | 1.1.10A           | :Carriage of material by mechanical transport including loading unloading and stacking: Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials : Upto 1KM |

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|----------|---|------|--------|----------|------------------|--|
| 740.     | Mech.Carriage:0-2km:<br>Cem/StoneBlocks etc | TON  | 116.91 | 1        | 1.1.10B          | :Carriage of material by mechanical transport including loading unloading and stacking: Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials : Beyond 1KM and Upto 2KM |
| 750.     | Mech.Carriage:0-3km:<br>Cem/StoneBlocks etc | TON  | 131.41 | 1        | 1.1.10C          | :Carriage of material by mechanical transport including loading unloading and stacking: Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials : Beyond 2KM and Upto 3KM |
| 760.     | Mech.Carriage:0-4km:<br>Cem/StoneBlocks etc | TON  | 145.38 | 1        | 1.1.10D          | :Carriage of material by mechanical transport including loading unloading and stacking: Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials : Beyond 3KM and Upto 4KM |
| 770.     | Mech.Carriage:0-5km:<br>Cem/StoneBlocks etc | TON  | 158.88 | 1        | 1.1.10E          | :Carriage of material by mechanical transport including loading unloading and stacking: Cement, stone blocks, G.I., C.I., A.C. & C.C. pipes below 100 mm dia and other heavy materials : Beyond 4KM and Upto 5KM |
| 780.     | Mech.Carriage:5-10km:Cem/StoneBlocks etc    | TPM  | 12.32  | 1        | 1.1.10F          | :Extra on Item 1.1.10.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM  |
| 790.     | Mech.Carriage:10-20km:Cem/StoneBlocks et    | TPM  | 10.27  | 1        | 1.1.10G          | :Extra on Item 1.1.10.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM   |

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|----------|---|------|--------|----------|-------------------|---|
| 800.     | Mech.Carriage:>20km:Cem/StoneBlocks etc | TPM  | 8.64   | 1        | 1.1.10H           | :Extra on Item 1.1.10.G for Carriage of material on every additional KM: Beyond 20KM                                    |
| 810.     | Mech.Carriage:0-1km: Steel              | TON  | 102.19 | 1        | 1.1.11A           | :Carriage of material by mechanical transport including loading unloading and stacking: Steel : Upto 1KM                |
| 820.     | Mech.Carriage:0-2km: Steel              | TON  | 116.91 | 1        | 1.1.11B           | :Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 1KM and Upto 2KM |
| 830.     | Mech.Carriage:0-3km: Steel              | TON  | 131.41 | 1        | 1.1.11C           | :Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 2KM and Upto 3KM |
| 840.     | Mech.Carriage:0-4km: Steel              | TON  | 145.38 | 1        | 1.1.11D           | :Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 3KM and Upto 4KM |
| 850.     | Mech.Carriage:0-5km: Steel              | TON  | 158.88 | 1        | 1.1.11E           | :Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 4KM and Upto 5KM |
| 860.     | Mech.Carriage:5-10km: Steel             | TPM  | 12.32  | 1        | 1.1.11F           | :Extra on Item 1.1.11.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM                       |
| 870.     | Mech.Carriage:10-20km: Steel            | TPM  | 10.27  | 1        | 1.1.11G           | :Extra on Item 1.1.11.F for Carriage of material on every   |

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| Item No. | Description                  | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|------------------------------|------|--------|----------|------------------|--|
|          |                              |      |        |          |                  | additional KM: Beyond 10KM and Upto 20KM   |
| 880.     | Mech.Carriage:>20km: Steel   | TPM  | 8.64   | 1        | 1.1.11H          | :Extra on Item 1.1.11.G for Carriage of material on every additional KM: Beyond 20KM                                     |
| 890.     | Mech.Carriage:0-1km: Timber  | M3   | 131.39 | 1        | 1.1.12A          | :Carriage of material by mechanical transport including loading unloading and stacking: Timber : Upto 1KM                |
| 900.     | Mech.Carriage:0-2km: Timber  | M3   | 150.32 | 1        | 1.1.12B          | :Carriage of material by mechanical transport including loading unloading and stacking: Timber : Beyond 1KM and Upto 2KM |
| 910.     | Mech.Carriage:0-3km: Timber  | M3   | 168.95 | 1        | 1.1.12C          | :Carriage of material by mechanical transport including loading unloading and stacking: Timber : Beyond 2KM and Upto 3KM |
| 920.     | Mech.Carriage:0-4km: Timber  | M3   | 186.92 | 1        | 1.1.12D          | :Carriage of material by mechanical transport including loading unloading and stacking: Timber : Beyond 3KM and Upto 4KM |
| 930.     | Mech.Carriage:0-5km: Timber  | M3   | 204.28 | 1        | 1.1.12E          | :Carriage of material by mechanical transport including loading unloading and stacking: Timber : Beyond 4KM and Upto 5KM |
| 940.     | Mech.Carriage:5-10km: Timber | CUK  | 15.84  | 1        | 1.1.12F          | :Extra on Item 1.1.12.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM6                       |

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| Item No. | Description                      | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|----------------------------------|------|--------|----------|------------------|---|
| 950.     | Mech.Carriage:10-20km: Timber    | CUK  | 13.21  | 1        | 1.1.12G          | :Extra on Item 1.1.12.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate CUM/KM)               |
| 960.     | Mech.Carriage:>20km: Timber      | CUK  | 11.11  | 1        | 1.1.12H          | :Extra on Item 1.1.12.G for Carriage of material on every additional KM: Beyond 20KM(Rate CUM/KM)                             |
| 970.     | Mech.Carriage:0-1km: Tar Bitumen | TON  | 114.96 | 1        | 1.1.13A          | :Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Upto 1KM                |
| 980.     | Mech.Carriage:0-2km: Tar Bitumen | TON  | 131.53 | 1        | 1.1.13B          | :Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 1KM and Upto 2KM |
| 990.     | Mech.Carriage:0-3km: Tar Bitumen | TON  | 147.83 | 1        | 1.1.13C          | :Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 2KM and Upto 3KM |
| 1000.    | Mech.Carriage:0-4km: Tar Bitumen | TON  | 163.55 | 1        | 1.1.13D          | :Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 3KM and Upto 4KM |
| 1010.    | Mech.Carriage:0-5km: Tar Bitumen | TON  | 178.74 | 1        | 1.1.13E          | :Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 4KM and Upto 5KM |

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| Item No. | Description                        | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|------------------------------------|------|-------|----------|------------------|---|
| 1020.    | Mech.Carriage:5-10km: Tar Bitumen  | TPM  | 13.86 | 1        | 1.1.13F          | :Extra on Item 1.1.13.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM                         |
| 1030.    | Mech.Carriage:10-20km: Tar Bitumen | TPM  | 11.56 | 1        | 1.1.13G          | :Extra on Item 1.1.13.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM                        |
| 1040.    | Mech.Carriage:>20km: Tar Bitumen   | TPM  | 9.72  | 1        | 1.1.13H          | :Extra on Item 1.1.13.G for Carriage of material on every additional KM: Beyond 20KM                                      |
| 1050.    | Mech.Carriage:0-1km: Solvent       | QTL  | 11.50 | 1        | 1.1.14A          | :Carriage of material by mechanical transport including loading unloading and stacking: Solvent : Upto 1KM                |
| 1060.    | Mech.Carriage:0-2km: Solvent       | QTL  | 13.15 | 1        | 1.1.14B          | :Carriage of material by mechanical transport including loading unloading and stacking: Solvent : Beyond 1KM and Upto 2KM |
| 1070.    | Mech.Carriage:0-3km: Solvent       | QTL  | 14.78 | 1        | 1.1.14C          | :Carriage of material by mechanical transport including loading unloading and stacking: Solvent : Beyond 2KM and Upto 3KM |
| 1080.    | Mech.Carriage:0-4km: Solvent       | QTL  | 16.36 | 1        | 1.1.14D          | :Carriage of material by mechanical transport including loading unloading and stacking: Solvent : Beyond 3KM and Upto 4KM |
| 1090.    | Mech.Carriage:0-5km: Solvent       | QTL  | 17.87 | 1        | 1.1.14E          | :Carriage of material by mechanical transport including   |



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| Item No. | Description                     | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---------------------------------|------|--------|----------|------------------|--|
|          |                                 |      |        |          |                  | loading unloading and stacking: Solvent : Beyond 4KM and Upto 5KM  |
| 1100.    | Mech.Carriage:5-10km: Solvent   | QTL  | 1.39   | 1        | 1.1.14F          | :Extra on Item 1.1.14.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM(Rate:qtl/Km)               |
| 1110.    | Mech.Carriage:10-20km: Solvent  | QTL  | 1.16   | 1        | 1.1.14G          | :Extra on Item 1.1.14.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM(Rate:qtl/Km)              |
| 1120.    | Mech.Carriage:>20km: Solvent    | QTL  | 0.97   | 1        | 1.1.14H          | :Extra on Item 1.1.14.G for Carriage of material on every additional KM: Beyond 20KM(Rate:qtl/Km)                            |
| 1130.    | Mech.Carriage:0-1km: Steam Coal | TON  | 131.39 | 1        | 1.1.15A          | :Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Upto 1KM                |
| 1140.    | Mech.Carriage:0-2km: Steam Coal | TON  | 150.32 | 1        | 1.1.15B          | :Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Beyond 1KM and Upto 2KM |
| 1150.    | Mech.Carriage:0-3km: Steam Coal | TON  | 168.95 | 1        | 1.1.15C          | :Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Beyond 2KM and Upto 3KM |
| 1160.    | Mech.Carriage:0-4km: Steam Coal | TON  | 186.92 | 1        | 1.1.15D          | :Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Beyond                  |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | 3KM and Upto 4KM   |
| 1170.    | Mech.Carriage:0-5km: Steam Coal        | TON  | 204.28 | 1        | 1.1.15E          | :Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Beyond 4KM and Upto 5KM           |
| 1180.    | Mech.Carriage:5-10km: Steam Coal       | TPM  | 15.84  | 1        | 1.1.15F          | :Extra on Item 1.1.15.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM                                      |
| 1190.    | Mech.Carriage:10-20km: Steam Coal      | TPM  | 13.21  | 1        | 1.1.15G          | :Extra on Item 1.1.15.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM                                     |
| 1200.    | Mech.Carriage:>20km: Steam Coal        | TPM  | 11.11  | 1        | 1.1.15H          | :Extra on Item 1.1.15.G for Carriage of material on every additional KM: Beyond 20KM   |
| 1210.    | Mech.Carriage:0-1km: SW pipe 100mm dia | M    | 1.53   | 1        | 1.1.16.1A        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 100 mm dia : Upto 1KM                |
| 1220.    | Mech.Carriage:0-2km: SW pipe 100mm dia | M    | 1.75   | 1        | 1.1.16.1B        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 100 mm dia : Beyond 1KM and Upto 2KM |
| 1230.    | Mech.Carriage:0-3km: SW pipe 100mm dia | M    | 1.97   | 1        | 1.1.16.1C        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 100 mm dia : Beyond 2KM and Upto 3KM |

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| Item No. | Description                              | Unit | Rate | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|------|----------|------------------|--|
| 1240.    | Mech.Carriage:0-4km: SW pipe 100mm dia   | M    | 2.18 | 1        | 1.1.16.1D        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 100 mm dia : Beyond 3KM and Upto 4KM |
| 1250.    | Mech.Carriage:0-5km: SW pipe 100mm dia   | M    | 2.38 | 1        | 1.1.16.1E        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 100 mm dia : Beyond 4KM and Upto 5KM |
| 1260.    | Mech.Carriage:5-10km: SW pipe 100mm dia  | M    | 0.18 | 1        | 1.1.16.1F        | :Extra on Item 1.1.16.1.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)                     |
| 1270.    | Mech.Carriage:10-20km: SW pipe 100mm dia | M    | 0.15 | 1        | 1.1.16.1G        | :Extra on Item 1.1.16.1.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)                    |
| 1280.    | Mech.Carriage:>20km: SW pipe 100mm dia   | M    | 0.13 | 1        | 1.1.16.1H        | :Extra on Item 1.1.16.1.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)                                  |
| 1290.    | Mech.Carriage:0-1km: SW Pipe 150mm dia   | M    | 3.07 | 1        | 1.1.16.2A        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia : Upto 1KM                |
| 1300.    | Mech.Carriage:0-2km: SW Pipe 150mm dia   | M    | 3.51 | 1        | 1.1.16.2B        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia :                         |

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| Item No. | Description                              | Unit | Rate | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|------|----------|------------------|--|
|          |  |      |      |          |                  | Beyond 1KM and Upto 2KM  |
| 1310.    | Mech.Carriage:0-3km: SW Pipe 150mm dia   | M    | 3.94 | 1        | 1.1.16.2C        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia : Beyond 2KM and Upto 3KM |
| 1320.    | Mech.Carriage:0-4km: SW Pipe 150mm dia   | M    | 4.36 | 1        | 1.1.16.2D        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia : Beyond 3KM and Upto 4KM |
| 1330.    | Mech.Carriage:0-5km: SW Pipe 150mm dia   | M    | 4.77 | 1        | 1.1.16.2E        | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia : Beyond 4KM and Upto 5KM |
| 1340.    | Mech.Carriage:5-10km: SW Pipe 150mm dia  | M    | 0.37 | 1        | 1.1.16.2F        | :Extra on Item 1.1.16.2.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)                     |
| 1350.    | Mech.Carriage:10-20km: SW Pipe 150mm dia | M    | 0.31 | 1        | 1.1.16.2G        | :Extra on Item 1.1.16.2.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)                    |
| 1360.    | Mech.Carriage:>20km: SW Pipe 150mm dia   | M    | 0.26 | 1        | 1.1.16.2H        | :Extra on Item 1.1.16.2.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)                                  |
| 1370.    | Mech.Carriage:0-1km: SW pipe             | M    | 5.11 | 1        | 1.1.16.3A        | :Carriage of material by mechanical transport including  |

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| Item No. | Description                              | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|------|----------|-------------------|--|
|          | 200mm dia                                |      |      |          |                   | loading unloading and stacking: S.W.Pipe: 200 mm dia : Upto 1KM  |
| 1380.    | Mech.Carriage:0-2km: SW pipe 200mm dia   | M    | 5.85 | 1        | 1.1.16.3B         | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 200 mm dia : Beyond 1KM and Upto 2KM |
| 1390.    | Mech.Carriage:0-3km: SW pipe 200mm dia   | M    | 6.57 | 1        | 1.1.16.3C         | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 200 mm dia : Beyond 2KM and Upto 3KM |
| 1400.    | Mech.Carriage:0-4km: SW pipe 200mm dia   | M    | 7.27 | 1        | 1.1.16.3D         | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 200 mm dia : Beyond 3KM and Upto 4KM |
| 1410.    | Mech.Carriage:0-5km: SW pipe 200mm dia   | M    | 7.94 | 1        | 1.1.16.3E         | :Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 200 mm dia : Beyond 4KM and Upto 5KM |
| 1420.    | Mech.Carriage:5-10km: SW pipe 200mm dia  | M    | 0.62 | 1        | 1.1.16.3F         | :Extra on Item 1.1.16.3.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)                     |
| 1430.    | Mech.Carriage:10-20km: SW pipe 200mm dia | M    | 0.51 | 1        | 1.1.16.3G         | :Extra on Item 1.1.16.3.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)                    |

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| Item No. | Description                             | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-------|----------|-------------------|--|
| 1440.    | Mech.Carriage:>20km: SW pipe 200mm dia  | M    | 0.43  | 1        | 1.1.16.3H         | :Extra on Item 1.1.16.3.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)  |
| 1450.    | Mech.Carriage:0-1km: SW Pipe 250mm dia  | M    | 8.76  | 1        | 1.1.16.5A         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-1km                        |
| 1460.    | Mech.Carriage:0-2km: SW Pipe 250mm dia  | M    | 10.02 | 1        | 1.1.16.5B         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-2km                        |
| 1470.    | Mech.Carriage:0-3km: SW Pipe 250mm dia  | M    | 11.26 | 1        | 1.1.16.5C         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-3km                        |
| 1480.    | Mech.Carriage:0-4km: SW Pipe 250mm dia  | M    | 12.46 | 1        | 1.1.16.5D         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-4km                        |
| 1490.    | Mech.Carriage:0-5km: SW Pipe 250mm dia  | M    | 13.62 | 1        | 1.1.16.5E         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-5km                        |
| 1500.    | Mech.Carriage:5-10km: SW Pipe 250mm dia | M    | 1.06  | 1        | 1.1.16.5F         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia: beyond 5km upto 10km (per km) |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
| 1510.    | Mech.Carriage:10-20km: SW Pipe 250mm dia | M    | 0.88  | 1        | 1.1.16.5G        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia: beyond 10km upto 20km (per km) |
| 1520.    | Mech.Carriage:>20km: SW Pipe 250mm dia   | M    | 0.74  | 1        | 1.1.16.5H        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia: beyond 20km (per km)           |
| 1530.    | Mech.Carriage:0-1km: SW pipe 300mm dia   | M    | 10.95 | 1        | 1.1.16.6A        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-1km                         |
| 1540.    | Mech.Carriage:0-2km: SW pipe 300mm dia   | M    | 12.53 | 1        | 1.1.16.6B        | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-2km                        |
| 1550.    | Mech.Carriage:0-3km: SW pipe 300mm dia   | M    | 14.08 | 1        | 1.1.16.6C        | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-3km                        |
| 1560.    | Mech.Carriage:0-4km: SW pipe 300mm dia   | M    | 15.58 | 1        | 1.1.16.6D        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-4km                         |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
| 1570.    | Mech.Carriage:0-5km: SW pipe 300mm dia   | M    | 17.02 | 1        | 1.1.16.6E         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-5km                         |
| 1580.    | Mech.Carriage:5-10km: SW pipe 300mm dia  | M    | 1.32  | 1        | 1.1.16.6F         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia: beyond 5km upto 10km (per km)  |
| 1590.    | Mech.Carriage:10-20km: SW pipe 300mm dia | M    | 1.10  | 1        | 1.1.16.6G         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia: beyond 10km upto 20km (per km) |
| 1600.    | Mech.Carriage:>20km: SW pipe 300mm dia   | M    | 0.93  | 1        | 1.1.16.6H         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia: beyond 20km (per km)           |
| 1610.    | Mech.Carriage:0-1km: SW Pipe 350mm dia   | M    | 15.33 | 1        | 1.1.16.7A         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-1km                         |
| 1620.    | Mech.Carriage:0-2km: SW Pipe 350mm dia   | M    | 17.54 | 1        | 1.1.16.7B         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-2km                          |



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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 1630.    | Mech.Carriage:0-3km: SW Pipe 350mm dia   | M    | 19.71 | 1        | 1.1.16.7C         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-3km                         |
| 1640.    | Mech.Carriage:0-4km: SW Pipe 350mm dia   | M    | 21.81 | 1        | 1.1.16.7D         | :Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-4km                        |
| 1650.    | Mech.Carriage:0-5km: SW Pipe 350mm dia   | M    | 2.51  | 1        | 1.1.16.7E         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-5km                         |
| 1660.    | Mech.Carriage:5-10km: SW Pipe 350mm dia  | M    | 1.85  | 1        | 1.1.16.7F         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia: beyond 5km upto 10km (per km)  |
| 1670.    | Mech.Carriage:10-20km: SW Pipe 350mm dia | M    | 1.54  | 1        | 1.1.16.7G         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia: beyond 10km upto 20km (per km) |
| 1680.    | Mech.Carriage:>20km: SW Pipe 350mm dia   | M    | 1.30  | 1        | 1.1.16.7H         | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia: beyond 20km (per km)           |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
| 1690.    | Mech.Carriage:0-1km: SW pipe 400mm dia   | M    | 21.90 | 1        | 1.1.16.8A        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-1km                        |
| 1700.    | Mech.Carriage:0-2km: SW pipe 400mm dia   | M    | 25.05 | 1        | 1.1.16.8B        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-2km                        |
| 1710.    | Mech.Carriage:0-3km: SW pipe 400mm dia   | M    | 28.16 | 1        | 1.1.16.8C        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-3km                        |
| 1720.    | Mech.Carriage:0-4km: SW pipe 400mm dia   | M    | 31.15 | 1        | 1.1.16.8D        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-4km                        |
| 1730.    | Mech.Carriage:0-5km: SW pipe 400mm dia   | M    | 34.05 | 1        | 1.1.16.8E        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-5km                        |
| 1740.    | Mech.Carriage:5-10km: SW pipe 400mm dia  | M    | 2.64  | 1        | 1.1.16.8F        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia: beyond 5km upto 10km (per km) |
| 1750.    | Mech.Carriage:10-20km: SW pipe 400mm dia | M    | 2.20  | 1        | 1.1.16.8G        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia:                               |

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| Item No. | Description                            | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | beyond 10km upto 20km (per km)  |
| 1760.    | Mech.Carriage:>20km: SW pipe 400mm dia | M    | 1.85  | 1        | 1.1.16.8H        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia: beyond 20km (per km) |
| 1770.    | Mech.Carriage:0-1km: SW Pipe 450mm dia | M    | 27.87 | 1        | 1.1.16.9A        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-1km               |
| 1780.    | Mech.Carriage:0-2km: SW Pipe 450mm dia | M    | 31.89 | 1        | 1.1.16.9B        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-2km               |
| 1790.    | Mech.Carriage:0-3km: SW Pipe 450mm dia | M    | 35.84 | 1        | 1.1.16.9C        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-3km               |
| 1800.    | Mech.Carriage:0-4km: SW Pipe 450mm dia | M    | 39.65 | 1        | 1.1.16.9D        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-4km               |
| 1810.    | Mech.Carriage:0-5km: SW Pipe 450mm dia | M    | 43.33 | 1        | 1.1.16.9E        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia :                     |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | 0-5km   |
| 1820.    | Mech.Carriage:5-10km: SW Pipe 450mm dia  | M    | 3.36  | 1        | 1.1.16.9F        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia: beyond 5km upto 10km (per km)  |
| 1830.    | Mech.Carriage:10-20km: SW Pipe 450mm dia | M    | 2.80  | 1        | 1.1.16.9G        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia: beyond 10km upto 20km (per km) |
| 1840.    | Mech.Carriage:>20km: SW Pipe 450mm dia   | M    | 2.36  | 1        | 1.1.16.9H        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia: beyond 20km (per km)           |
| 1850.    | Mech.Carriage:0-1km: SW pipe 500mm dia   | M    | 30.66 | 1        | 1.1.16.10A       | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-1km                          |
| 1860.    | Mech.Carriage:0-2km: SW pipe 500mm dia   | M    | 35.07 | 1        | 1.1.16.10B       | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-2km                          |
| 1870.    | Mech.Carriage:0-3km: SW pipe 500mm dia   | M    | 39.42 | 1        | 1.1.16.10C       | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-3km                          |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 1880.    | Mech.Carriage:0-4km: SW pipe 500mm dia   | M    | 43.61 | 1        | 1.1.16.10D        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-4km                          |
| 1890.    | Mech.Carriage:0-5km: SW pipe 500mm dia   | M    | 47.67 | 1        | 1.1.16.10E        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-5km                          |
| 1900.    | Mech.Carriage:5-10km: SW pipe 500mm dia  | M    | 3.70  | 1        | 1.1.16.10F        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: beyond 5km upto 10km (per km)  |
| 1910.    | Mech.Carriage:10-20km: SW pipe 500mm dia | M    | 3.08  | 1        | 1.1.16.10G        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: beyond 10km upto 20km (per km) |
| 1920.    | Mech.Carriage:>20km: SW pipe 500mm dia   | M    | 2.59  | 1        | 1.1.16.10H        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: beyond 20km (per km)           |
| 1930.    | Mech.Carriage:0-1km: SW Pipe 600mm dia   | M    | 38.32 | 1        | 1.1.16.11A        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-1km                         |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 1940.    | Mech.Carriage:0-2km: SW Pipe 600mm dia   | M    | 43.84 | 1        | 1.1.16.11B        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-2km                         |
| 1950.    | Mech.Carriage:0-3km: SW Pipe 600mm dia   | M    | 49.28 | 1        | 1.1.16.11C        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-3km                         |
| 1960.    | Mech.Carriage:0-4km: SW Pipe 600mm dia   | M    | 54.52 | 1        | 1.1.16.11D        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-4km                         |
| 1970.    | Mech.Carriage:0-5km: SW Pipe 600mm dia   | M    | 59.58 | 1        | 1.1.16.11E        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-5km                         |
| 1980.    | Mech.Carriage:5-10km: SW Pipe 600mm dia  | M    | 4.62  | 1        | 1.1.16.11F        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia: beyond 5km upto 10km (per km)  |
| 1990.    | Mech.Carriage:10-20km: SW Pipe 600mm dia | M    | 3.85  | 1        | 1.1.16.11G        | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia: beyond 10km upto 20km (per km) |

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| Item No. | Description                            | Unit | Rate | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|------|----------|------------------|---|
| 2000.    | Mech.Carriage:>20km: SW Pipe 600mm dia | M    | 3.24 | 1        | 1.1.16.11H       | Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia: beyond 20km (per km)   |
| 2010.    | Mech.Carriage:0-1km: RC/CI pipe 100mm  | M    | 2.51 | 1        | 1.1.17.1A        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 100 mm dia : 0-1km |
| 2020.    | Mech.Carriage:0-2km: RC/CI pipe 100mm  | M    | 2.87 | 1        | 1.1.17.1B        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 100 mm dia : 0-2km |
| 2030.    | Mech.Carriage:0-3km: RC/CI pipe 100mm  | M    | 3.23 | 1        | 1.1.17.1C        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 100 mm dia : 0-3km |
| 2040.    | Mech.Carriage:0-4km: RC/CI pipe 100mm  | M    | 3.57 | 1        | 1.1.17.1D        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 100 mm dia : 0-4km |

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| Item No. | Description                              | Unit | Rate | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|------|----------|-------------------|---|
| 2050.    | Mech.Carriage:0-5km: RC/CI pipe 100mm    | M    | 3.91 | 1        | 1.1.17.1E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 100 mm dia : 0-5km                         |
| 2060.    | Mech.Carriage:5-10km: RC/CI pipe 100mm   | M    | 0.30 | 1        | 1.1.17.1F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 100 mm dia: beyond 5km upto 10km (per km)  |
| 2070.    | Mech.Carriage:10-20km: RC/CI pipe 100mm  | M    | 0.25 | 1        | 1.1.17.1G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 100 mm dia: beyond 10km upto 20km (per km) |
| 2080.    | Mech.Carriage:>20km: RC/CI pipe 100mm    | M    | 0.21 | 1        | 1.1.17.1H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 100 mm dia: beyond 20km (per km)           |
| 2090.    | Mech.Carriage:0-1km: RC/CI pipe 125mm di | M    | 3.36 | 1        | 1.1.17.2A         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and  |



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| Item No. | Description                              | Unit | Rate | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|------|----------|-------------------|---|
|          |  |      |      |          |                   | unreinforced cement pipes 125 mm dia : 0-1km  |
| 2100.    | Mech.Carriage:0-2km: RC/CI pipe 125mm di | M    | 3.84 | 1        | 1.1.17.2B         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 125 mm dia : 0-2km |
| 2110.    | Mech.Carriage:0-3km: RC/CI pipe 125mm di | M    | 4.32 | 1        | 1.1.17.2C         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 125 mm dia : 0-3km |
| 2120.    | Mech.Carriage:0-4km: RC/CI pipe 125mm di | M    | 4.78 | 1        | 1.1.17.2D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 125 mm dia : 0-4km |
| 2130.    | Mech.Carriage:0-5km: RC/CI pipe 125mm di | M    | 5.22 | 1        | 1.1.17.2E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 125 mm dia : 0-5km |
| 2140.    | Mech.Carriage:5-10km: RC/CI pipe         | M    | 0.40 | 1        | 1.1.17.2F         | Carriage of materials by mechanical transport including   |

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|----------|--|------|------|----------|------------------|---|
|          | 125mm d                                  |      |      |          |                  | loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 125 mm dia: beyond 5km upto 10km (per km)  |
| 2150.    | Mech.Carriage:10-20km: RC/CI pipe 125mm  | M    | 0.34 | 1        | 1.1.17.2G        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 125 mm dia: beyond 10km upto 20km (per km) |
| 2160.    | Mech.Carriage:>20km: RC/CI pipe 125mm di | M    | 0.28 | 1        | 1.1.17.2H        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 125 mm dia: beyond 20km (per km)           |
| 2170.    | Mech.Carriage:0-1km: RC/CI pipe 150mm    | M    | 4.19 | 1        | 1.1.17.3A        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 150 mm dia : 0-1km                         |
| 2180.    | Mech.Carriage:0-2km: RC/CI pipe 150mm    | M    | 4.79 | 1        | 1.1.17.3B        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 150 mm dia : 0-2km                         |

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| Item No. | Description                            | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|------|----------|-------------------|--|
|          |  |      |      |          |                   |  |
| 2190.    | Mech.Carriage:0-3km: RC/CI pipe 150mm  | M    | 5.39 | 1        | 1.1.17.3C         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia : 0-3km                        |
| 2200.    | Mech.Carriage:0-4km: RC/CI pipe 150mm  | M    | 5.96 | 1        | 1.1.17.3D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia : 0-4km                        |
| 2210.    | Mech.Carriage:0-5km: RC/CI pipe 150mm  | M    | 6.51 | 1        | 1.1.17.3E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia : 0-5km                        |
| 2220.    | Mech.Carriage:5-10km: RC/CI pipe 150mm | M    | 0.50 | 1        | 1.1.17.3F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia: beyond 5km upto 10km (per km) |

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| Item No. | Description                               | Unit | Rate | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|------|----------|-------------------|---|
| 2230.    | Mech.Carriage:10-20km: RC/CI pipe 150mm   | M    | 0.42 | 1        | 1.1.17.3G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia: beyond 10km upto 20km (per km) |
| 2240.    | Mech.Carriage:>20km: RC/CI pipe 150mm     | M    | 0.35 | 1        | 1.1.17.3H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 150 mm dia: beyond 20km (per km)           |
| 2250.    | Mech.Carriage:0-1km: RC/CI pipe 200mm dia | M    | 6.81 | 1        | 1.1.17.4A         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: 0-1km                          |
| 2260.    | Mech.Carriage:0-2km: RC/CI pipe 200mm dia | M    | 7.79 | 1        | 1.1.17.4B         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: 0-2km                          |
| 2270.    | Mech.Carriage:0-3km: RC/CI pipe 200mm dia | M    | 8.76 | 1        | 1.1.17.4C         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and  |

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| Item No. | Description                                | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
|          |  |      |       |          |                   | unreinforced cement pipes 200 mm dia: 0-3km   |
| 2280.    | Mech.Carriage:0-4km: RC/CI pipe200mm dia   | M    | 9.69  | 1        | 1.1.17.4D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: 0-4km                          |
| 2290.    | Mech.Carriage:0-5km: RC/CI pipe200mm dia   | M    | 10.59 | 1        | 1.1.17.4E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: 0-5km                          |
| 2300.    | Mech.Carriage:5-10km: RC/CI pipe200mm dia  | M    | 0.82  | 1        | 1.1.17.4F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: beyond 5km upto 10km (per km)  |
| 2310.    | Mech.Carriage:10-20km: RC/CI pipe200mm dia | M    | 0.68  | 1        | 1.1.17.4G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: beyond 10km upto 20km (per km) |
| 2320.    | Mech.Carriage:>20km: RC/CI pipe200mm dia   | M    | 0.58  | 1        | 1.1.17.4H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes,   |

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|----------|---------------------------------------|------|-------|----------|-------------------|---|
|          |                                       |      |       |          |                   | steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 200 mm dia: beyond 20km (per km)   |
| 2330.    | Mech.Carriage:0-1km: RC/CI pipe 250mm | M    | 9.68  | 1        | 1.1.17.5A         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia : 0-1km |
| 2340.    | Mech.Carriage:0-2km: RC/CI pipe 250mm | M    | 11.08 | 1        | 1.1.17.5B         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia : 0-2km |
| 2350.    | Mech.Carriage:0-3km: RC/CI pipe 250mm | M    | 12.45 | 1        | 1.1.17.5C         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia : 0-3km |
| 2360.    | Mech.Carriage:0-4km: RC/CI pipe 250mm | M    | 13.77 | 1        | 1.1.17.5D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia : 0-4km |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
| 2370.    | Mech.Carriage:0-5km: RC/CI pipe 250mm     | M    | 15.05 | 1        | 1.1.17.5E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia : 0-5km                         |
| 2380.    | Mech.Carriage:5-10km: RC/CI pipe 250mm    | M    | 1.17  | 1        | 1.1.17.5F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia: beyond 5km upto 10km (per km)  |
| 2390.    | Mech.Carriage:10-20km: RC/CI pipe 250mm   | M    | 0.97  | 1        | 1.1.17.5G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia: beyond 10km upto 20km (per km) |
| 2400.    | Mech.Carriage:>20km: RC/CI pipe 250mm     | M    | 0.82  | 1        | 1.1.17.5H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 250 mm dia: beyond 20km (per km)           |
| 2410.    | Mech.Carriage:0-1km: RC/CI pipe 300mm dia | M    | 11.97 | 1        | 1.1.17.6A         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and  |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | unreinforces cement pipes 300 mm dia : 0-1km   |
| 2420.    | Mech.Carriage:0-2km: RC/CI pipe300mm dia | M    | 13.69 | 1        | 1.1.17.6B        | :Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia : 0-2km |
| 2430.    | Mech.Carriage:0-3km: RC/CI pipe300mm dia | M    | 15.39 | 1        | 1.1.17.6C        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia : 0-3km  |
| 2440.    | Mech.Carriage:0-4km: RC/CI pipe300mm dia | M    | 17.02 | 1        | 1.1.17.6D        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia : 0-4km  |
| 2450.    | Mech.Carriage:0-5km: RC/CI pipe300mm dia | M    | 18.60 | 1        | 1.1.17.6E        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia : 0-5km  |
| 2460.    | Mech.Carriage:5-10km: RC/CI pipe300mm di | M    | 1.44  | 1        | 1.1.17.6F        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes,  |



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|----------|--|------|-------|----------|------------------|---|
|          |  |      |       |          |                  | steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia: beyond 5km upto 10km (per km)  |
| 2470.    | Mech.Carriage:10-20km: RC/CI pipe300mm d | M    | 1.20  | 1        | 1.1.17.6G        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia: beyond 10km upto 20km (per km) |
| 2480.    | Mech.Carriage:>20km: RC/CI pipe300mm dia | M    | 1.01  | 1        | 1.1.17.6H        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 300 mm dia: beyond 20km (per km)           |
| 2490.    | Mech.Carriage:0-1km: RC/CI pipe 350mm    | M    | 16.75 | 1        | 1.1.17.7A        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 350 mm dia : 0-1km                         |
| 2500.    | Mech.Carriage:0-2km: RC/CI pipe 350mm    | M    | 19.17 | 1        | 1.1.17.7B        | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 350 mm dia : 0-2km                         |
| 2510.    | Mech.Carriage:0-3km: RC/CI pipe          | M    | 21.54 | 1        | 1.1.17.7C        | Carriage of materials by mechanical transport including   |

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| Item No. | Description                             | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
|          | 350mm                                   |      |       |          |                   | loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia : 0-3km   |
| 2520.    | Mech.Carriage:0-4km: RC/CI pipe 350mm   | M    | 23.83 | 1        | 1.1.17.7D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia : 0-4km                         |
| 2530.    | Mech.Carriage:0-5km: RC/CI pipe 350mm   | M    | 26.05 | 1        | 1.1.17.7E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia : 0-5km                         |
| 2540.    | Mech.Carriage:5-10km: RC/CI pipe 350mm  | M    | 2.02  | 1        | 1.1.17.7F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia: beyond 5km upto 10km (per km)  |
| 2550.    | Mech.Carriage:10-20km: RC/CI pipe 350mm | M    | 1.68  | 1        | 1.1.17.7G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia: beyond 10km upto 20km (per km) |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
|          |   |      |       |          |                   |   |
| 2560.    | Mech.Carriage:>20km: RC/CI pipe 350mm     | M    | 1.42  | 1        | 1.1.17.7H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 350 mm dia: beyond 20km (per km) |
| 2570.    | Mech.Carriage:0-1km: RC/CI pipe 400mm dia | M    | 22.84 | 1        | 1.1.17.8A         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia : 0-1km               |
| 2580.    | Mech.Carriage:0-2km: RC/CI pipe 400mm dia | M    | 26.14 | 1        | 1.1.17.8B         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia : 0-2km               |
| 2590.    | Mech.Carriage:0-3km: RC/CI pipe 400mm dia | M    | 29.38 | 1        | 1.1.17.8C         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia : 0-3km               |
| 2600.    | Mech.Carriage:0-4km: RC/CI pipe 400mm dia | M    | 32.50 | 1        | 1.1.17.8D         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia : 0-4km               |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
| 2610.    | Mech.Carriage:0-5km: RC/CI pipe400mm dia  | M    | 35.52 | 1        | 1.1.17.8E         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia : 0-5km                         |
| 2620.    | Mech.Carriage:5-10km: RC/CI pipe400mm dia | M    | 2.75  | 1        | 1.1.17.8F         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia: beyond 5km upto 10km (per km)  |
| 2630.    | Mech.Carriage:10-20km:RC/CI pipe400mm dia | M    | 2.30  | 1        | 1.1.17.8G         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia: beyond 10km upto 20km (per km) |
| 2640.    | Mech.Carriage:>20km: RC/CI pipe400mm dia  | M    | 1.93  | 1        | 1.1.17.8H         | Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes, steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforced cement pipes 400 mm dia: beyond 20km (per km)           |
| 2650.    | Mech.Carriage:0-1km: RC/CI                | M    |       | 1        | 1.1.17.9A         | :Carriage of material by mechanical transport including   |

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|----------|--|------|------|----------|------------------|--|
|          | pipe450-500mm                            |      |      |          |                  | loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 400 mm dia : Upto 1KM  |
| 2660.    | Mech.Carriage:0-2km: RC/CI pipe450-500mm | M    |      | 1        | 1.1.17.9B        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 400 mm dia : Beyond 1KM and Upto 2KM |
| 2670.    | Mech.Carriage:0-3km: RC/CI pipe450-500mm | M    |      | 1        | 1.1.17.9C        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 400 mm dia : Beyond 2KM and Upto 3KM |
| 2680.    | Mech.Carriage:0-4km: RC/CI pipe450-500mm | M    |      | 1        | 1.1.17.9D        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 400 mm dia : Beyond 3KM and Upto 4KM |
| 2690.    | Mech.Carriage:0-5km: RC/CI pipe450-500mm | M    |      | 1        | 1.1.17.9E        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 400 mm dia : Beyond 4KM and Upto 5KM |
| 2700.    | Mech.Carriage:5-10km:RC/CI pipe450-500mm | M    |      | 1        | 1.1.17.9F        | :Extra on Item 1.1.17.8.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)   |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-------|----------|------------------|---|
| 2710.    | Mech.Carriage:10-20km:RC/CI pipe450-500mm | M    |       | 1        | 1.1.17.9G        | :Extra on Item 1.1.17.8.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)   |
| 2720.    | Mech.Carriage:>20km: RC/CI pipe450-500mm  | M    |       | 1        | 1.1.17.9H        | :Extra on Item 1.1.17.8.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)   |
| 2730.    | Mech.Carriage:0-1km: RC/CI pipe450-500mm  | M    | 27.92 | 1        | 1.1.17.9A        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 450, 500 mm dia : Upto 1KM                |
| 2740.    | Mech.Carriage:0-2km: RC/CI pipe450-500mm  | M    | 31.94 | 1        | 1.1.17.9B        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 450, 500 mm dia : Beyond 1KM and Upto 2KM |
| 2750.    | Mech.Carriage:0-3km: RC/CI pipe450-500mm  | M    | 35.90 | 1        | 1.1.17.9C        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 450, 500 mm dia : Beyond 2KM and Upto 3KM |
| 2760.    | Mech.Carriage:0-4km: RC/CI pipe450-500mm  | M    | 39.72 | 1        | 1.1.17.9D        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 450, 500 mm dia : Beyond 3KM and Upto 4KM |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
| 2770.    | Mech.Carriage:0-5km: RC/CI pipe450-500mm | M    | 43.41 | 1        | 1.1.17.9E        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 450, 500 mm dia : Beyond 4KM and Upto 5KM            |
| 2780.    | Mech.Carriage:5-10km:RC/CIpipe450-500mm  | M    | 3.37  | 1        | 1.1.17.9F        | :Extra on Item 1.1.17.9.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)   |
| 2790.    | Mech.Carriage:10-20km:RC/CIpipe450-500mm | M    | 2.81  | 1        | 1.1.17.9G        | :Extra on Item 1.1.17.9.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)  |
| 2800.    | Mech.Carriage:>20km: RC/CIpipe450-500mm  | M    | 2.36  | 1        | 1.1.17.9H        | :Extra on Item 1.1.17.9.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)  |
| 2810.    | Mech.Carriage:0-1km: RC/CIpipe600-800mm  | M    | 41.88 | 1        | 1.1.17.10A       | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 600, 700, 750 & 800 mm dia : Upto 1KM                |
| 2820.    | Mech.Carriage:0-2km: RC/CIpipe600-800mm  | M    | 47.92 | 1        | 1.1.17.10B       | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 600, 700, 750 & 800 mm dia : Beyond 1KM and Upto 2KM |

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| Item No. | Description                                 | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|-------|----------|------------------|--|
| 2830.    | Mech.Carriage:0-3km:<br>RC/CIpipe600-800mm  | M    | 53.85 | 1        | 1.1.17.10C       | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 600, 700, 750 & 800 mm dia : Beyond 2KM and Upto 3KM |
| 2840.    | Mech.Carriage:0-4km:<br>RC/CIpipe600-800mm  | M    | 59.58 | 1        | 1.1.17.10D       | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 600, 700, 750 & 800 mm dia : Beyond 3KM and Upto 4KM |
| 2850.    | Mech.Carriage:0-5km:<br>RC/CIpipe600-800mm  | M    | 65.12 | 1        | 1.1.17.10E       | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 600, 700, 750 & 800 mm dia : Beyond 4KM and Upto 5KM |
| 2860.    | Mech.Carriage:5-10km:<br>RC/CIpipe600-800mm | M    | 5.05  | 1        | 1.1.17.10F       | :Extra on Item 1.1.17.10.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)  |
| 2870.    | Mech.Carriage:10-20km:RC/CIpipe600-800mm    | M    | 4.21  | 1        | 1.1.17.10G       | :Extra on Item 1.1.17.10.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)   |



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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|-------|----------|-------------------|--|
| 2880.    | Mech.Carriage:>20km: RC/CI pipe 600-800mm | M    | 3.54  | 1        | 1.1.17.10H        | :Extra on Item 1.1.17.10.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)   |
| 2890.    | Mech.Carriage:0-1km: RC/CI pipe 900mm     | M    | 62.82 | 1        | 1.1.17.11A        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 900 mm dia : Upto 1KM                |
| 2900.    | Mech.Carriage:0-2km: RC/CI pipe 900mm     | M    | 71.87 | 1        | 1.1.17.11B        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 900 mm dia : Beyond 1KM and Upto 2KM |
| 2910.    | Mech.Carriage:0-3km: RC/CI pipe 900mm     | M    | 80.78 | 1        | 1.1.17.11C        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 900 mm dia : Beyond 2KM and Upto 3KM |
| 2920.    | Mech.Carriage:0-4km: RC/CI pipe 900mm     | M    | 89.37 | 1        | 1.1.17.11D        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 900 mm dia : Beyond 3KM and Upto 4KM |
| 2930.    | Mech.Carriage:0-5km: RC/CI pipe 900mm     | M    | 97.67 | 1        | 1.1.17.11E        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 900 mm dia : Beyond 4KM and Upto 5KM |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 2940.    | Mech.Carriage:5-10km: RC/CI pipe 900mm    | M    | 7.57   | 1        | 1.1.17.11F        | :Extra on Item 1.1.17.11.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)   |
| 2950.    | Mech.Carriage:10-20km: RC/CI pipe 900mm   | M    | 6.31   | 1        | 1.1.17.11G        | :Extra on Item 1.1.17.11.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)  |
| 2960.    | Mech.Carriage:>20km: RC/CI pipe 900mm     | M    | 5.31   | 1        | 1.1.17.11H        | :Extra on Item 1.1.17.11.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)  |
| 2970.    | Mech.Carriage:0-1km: RCC pipe 1000-1200mm | M    | 83.76  | 1        | 1.1.17.12A        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 1000,1100 & 1200 mm dia : Upto 1KM                |
| 2980.    | Mech.Carriage:0-2km: RCC pipe 1000-1200mm | M    | 95.83  | 1        | 1.1.17.12B        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 1000,1100 & 1200 mm dia : Beyond 1KM and Upto 2KM |
| 2990.    | Mech.Carriage:0-3km: RCC pipe 1000-1200mm | M    | 107.71 | 1        | 1.1.17.12C        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 1000,1100 & 1200 mm dia : Beyond 2KM and Upto     |

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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | 3KM   |
| 3000.    | Mech.Carriage:0-4km: RCC pipe1000-1200mm | M    | 119.17 | 1        | 1.1.17.12D        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 1000,1100 & 1200 mm dia : Beyond 3KM and Upto 4KM |
| 3010.    | Mech.Carriage:0-5km: RCC pipe1000-1200mm | M    | 130.23 | 1        | 1.1.17.12E        | :Carriage of material by mechanical transport including loading unloading and stacking: A.C. Pipes, Steel Cylinder, RC Pipes, CI Pipes and unreinforced cement pipes: 1000,1100 & 1200 mm dia : Beyond 4KM and Upto 5KM |
| 3020.    | Mech.Carriage:5-10km:RCC pipe1000-1200mm | M    | 10.10  | 1        | 1.1.17.12F        | :Extra on Item 1.1.17.12.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM( Rate:100m/KM)   |
| 3030.    | Mech.Carriage:10-20km:RCCpipe1000-1200mm | M    | 8.42   | 1        | 1.1.17.12G        | :Extra on Item 1.1.17.12.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM( Rate:100m/KM)  |
| 3040.    | Mech.Carriage:>20km: RCC pipe1000-1200mm | M    | 7.08   | 1        | 1.1.17.12H        | :Extra on Item 1.1.17.12.G for Carriage of material on every additional KM: Beyond 20KM( Rate:100m/KM)  |
| 3050.    | ManualCarriage,Upto50m,Bldg rubbish etc  | M3   | 127.02 | 1        | 1.2.1 A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Lime, moorum,  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | building rubbish   |
| 3060.    | ManualCarriage,Addl.50m,Bldg rubbish etc | M3   | 27.66  | 1        | 1.2.1 B          | :Extra on Item 1.2.1.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead) |
| 3070.    | ManualCarriage,Upto50m, Earth            | M3   | 158.77 | 1        | 1.2.2A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Earth                             |
| 3080.    | ManualCarriage,Addl.50m, Earth           | M3   | 34.57  | 1        | 1.2.2B           | :Extra on Item 1.2.2.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead) |
| 3090.    | ManualCarriage,Upto50m, Manure/sludge    | M3   | 138.06 | 1        | 1.2.3A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Manure/ Sludge                    |
| 3100.    | ManualCarriage,Addl.50m, Manure/sludge   | M3   | 30.06  | 1        | 1.2.3B           | :Extra on Item 1.2.3.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead) |
| 3110.    | ManualCarriage,Upto50m, Excavated rock   | M3   | 254.03 | 1        | 1.2.4A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Excavated rock                    |
| 3120.    | ManualCarriage,Addl.50m, Excavated rock  | M3   | 55.31  | 1        | 1.2.4B           | :Extra on Item 1.2.4.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead) |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|--------|----------|------------------|---|
| 3130.    | ManualCarriage,Upto50m, aggt below 40mm  | M3   | 158.77 | 1        | 1.2.5A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Sand. Stone aggregate below 40 mm nominal size |
| 3140.    | ManualCarriage,Addl.50m, aggt below 40mm | M3   | 34.57  | 1        | 1.2.5B           | :Extra on Item 1.2.5.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead)              |
| 3150.    | ManualCarriage,Upto50m, aggt above 40mm  | M3   | 171.64 | 1        | 1.2.6A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Stone aggregate 40 mm nominal size and above   |
| 3160.    | ManualCarriage,Addl.50m, aggt above 40mm | M3   | 37.37  | 1        | 1.2.6B           | :Extra on Item 1.2.6.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead)              |
| 3170.    | ManualCarriage,Upto50m, Soling stone     | M3   | 186.79 | 1        | 1.2.7A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Soling stone                                   |
| 3180.    | ManualCarriage,Addl.50m, Soling stone    | M3   | 40.67  | 1        | 1.2.7B           | :Extra on Item 1.2.7.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead)              |
| 3190.    | ManualCarriage,Upto50m, Bricks           | EA   | 0.30   | 1        | 1.2.8A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Bricks   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 3200.    | ManualCarriage,Addl.50m, Bricks          | EA   | 0.06   | 1        | 1.2.8B            | :Extra on Item 1.2.8.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads (Rate:1000 Nos/lead)                                   |
| 3210.    | ManualCarriage,Upto50m, Brick Tiles      | EA   | 0.19   | 1        | 1.2.9A            | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Brick tiles, Allahabad roofing tiles (flat or round)                      |
| 3220.    | ManualCarriage,Addl.50m, Brick Tiles     | EA   | 0.04   | 1        | 1.2.9B            | :Extra on Item 1.2.9.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:1000 Nos/lead)                                    |
| 3230.    | ManualCarriage,Upto50m, Steam Coal       | TON  | 148.18 | 1        | 1.2.10A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Steam Coal  |
| 3240.    | ManualCarriage,Addl.50m, Steam Coal      | TON  | 32.26  | 1        | 1.2.10B           | :Extra on Item 1.2.10.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate:1000 Nos/lead)                                   |
| 3250.    | ManualCarriage,Upto50m, Stone blocks etc | TON  | 115.92 | 1        | 1.2.11A           | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Stone blocks, G.I., C.I., Pipes below 100 mm dia and other heavy material |
| 3260.    | ManualCarriage,Addl.50m, StoneBlocks etc | TON  | 17.01  | 1        | 1.2.11B           | :Extra on Item 1.2.11.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | leads(Rate Ton/Lead)  |
| 3270.    | ManualCarriage,Upto50m, Cement          | TON  | 91.95  | 1        | 1.2.12A          | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Cement                               |
| 3280.    | ManualCarriage,Addl.50m, Cement         | TON  | 13.49  | 1        | 1.2.12B          | :Extra on Item 1.2.12.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate Ton/Lead)   |
| 3290.    | ManualCarriage,Upto50m, Steel           | TON  | 197.49 | 1        | 1.2.13A          | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Steel                                |
| 3300.    | ManualCarriage,Addl.50m, Steel          | TON  | 28.98  | 1        | 1.2.13B          | :Extra on Item 1.2.13.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate Ton/Lead)   |
| 3310.    | ManualCarriage,Upto50m, Timber          | M3   | 126.96 | 1        | 1.2.14A          | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Timber                               |
| 3320.    | ManualCarriage,Addl.50m, Timber         | M3   | 18.63  | 1        | 1.2.14B          | :Extra on Item 1.2.14.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate : cum/Lead) |
| 3330.    | ManualCarriage,Upto50m, Tar/bitumen etc | TON  | 115.92 | 1        | 1.2.15A          | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Tar, Bitumen etc                     |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 3340.    | ManualCarriage,Addl.50m, Tar/bitumen etc | TON  | 17.01 | 1        | 1.2.15B           | :Extra on Item 1.2.15.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate Ton/Lead)     |
| 3350.    | ManualCarriage,Upto50m, SWpipe 100mm dia | M    | 2.32  | 1        | 1.2.16.1A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 100 mm dia                 |
| 3360.    | ManualCarriage,Addl.50m,SWpipe 100mm dia | M    | 0.34  | 1        | 1.2.16.1B         | :Extra on Item 1.2.16.1.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3370.    | ManualCarriage,Upto50m, SWpipe 150mm dia | M    | 3.81  | 1        | 1.2.16.2A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 150 mm dia                 |
| 3380.    | ManualCarriage,Addl.50m, SWpipe 150mm    | M    | 0.56  | 1        | 1.2.16.2B         | :Extra on Item 1.2.16.2.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3390.    | ManualCarriage,Upto50m, SWpipe 200mm     | M    | 5.34  | 1        | 1.2.16.3A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 200 mm dia                 |
| 3400.    | ManualCarriage,Addl.50m, SWpipe 200mm    | M    | 0.78  | 1        | 1.2.16.3B         | :Extra on Item 1.2.16.3.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |



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| Item No. | Description                            | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 3410.    | ManualCarriage,Upto50m, SWpipe 250mm   | M    |       | 1        | 1.2.16.5A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 230 mm dia                 |
| 3420.    | ManualCarriage,Addl.50m, SW pipe 250mm | M    |       | 1        | 1.2.16.5B         | :Extra on Item 1.2.16.4.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3430.    | ManualCarriage,Upto50m, SWpipe 250mm   | M    | 8.89  | 1        | 1.2.16.5A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 250 mm dia                 |
| 3440.    | ManualCarriage,Addl.50m, SW pipe 250mm | M    | 1.30  | 1        | 1.2.16.5B         | :Extra on Item 1.2.16.5.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3450.    | ManualCarriage,Upto50m, SW pipe 300mm  | M    | 12.70 | 1        | 1.2.16.6A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 300 mm dia                 |
| 3460.    | ManualCarriage,Addl.50m, SWpipe 300mm  | M    | 1.86  | 1        | 1.2.16.6B         | :Extra on Item 1.2.16.6.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3470.    | ManualCarriage,Upto50m, SWpipe         | M    | 17.77 | 1        | 1.2.16.7A         | :Carriage of material by manual labour including loading,   |

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| Item No. | Description                           | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|-------|----------|-------------------|---|
|          | 350mm                                 |      |       |          |                   | unloading and stacking for first 50 m: S.W. Pipes: 350 mm dia   |
| 3480.    | ManualCarriage,Addl.50m, SWpipe 350mm | M    | 2.61  | 1        | 1.2.16.7B         | :Extra on Item 1.2.16.7.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3490.    | ManualCarriage,Upto50m, SWpipe 400mm  | M    | 22.22 | 1        | 1.2.16.8A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 400 mm dia                 |
| 3500.    | ManualCarriage,Addl.50m, SWpipe 400mm | M    | 3.26  | 1        | 1.2.16.8B         | :Extra on Item 1.2.16.8.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3510.    | ManualCarriage,Upto50m, SWpipe 450mm  | M    | 26.93 | 1        | 1.2.16.9A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 450 mm dia                 |
| 3520.    | ManualCarriage,Addl.50m, SWpipe 450mm | M    | 3.95  | 1        | 1.2.16.9B         | :Extra on Item 1.2.16.9.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead) |
| 3530.    | ManualCarriage,Upto50m, SWpipe 500 mm | M    | 32.92 | 1        | 1.2.16.10A        | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 500 mm dia                 |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
| 3540.    | ManualCarriage,Addl.50m, SWpipe 500mm    | M    | 4.83  | 1        | 1.2.16.10B        | :Extra on Item 1.2.16.10.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3550.    | ManualCarriage,Upto50m, SWpipe 600mm     | M    | 40.40 | 1        | 1.2.16.11A        | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 600 mm dia   |
| 3560.    | ManualCarriage,Addl.50m, SWpipe 600mm    | M    | 5.93  | 1        | 1.2.16.11B        | :Extra on Item 1.2.16.11.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3570.    | ManualCarriage,Upto50m, RC/CI pipe100mm  | M    | 3.13  | 1        | 1.2.17.1A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 100 mm dia |
| 3580.    | ManualCarriage,Addl.50m, RC/CI pipe100mm | M    | 0.46  | 1        | 1.2.17.1B         | :Extra on Item 1.2.17.1.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3590.    | ManualCarriage,Upto50m, RC/CI pipe125mm  | M    | 3.83  | 1        | 1.2.17.2A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 125 mm dia |
| 3600.    | ManualCarriage,Addl.50m, RC/CI           | M    | 0.56  | 1        | 1.2.17.2B         | :Extra on Item 1.2.17.2.A for every additional lead of 50m  |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|-------|----------|-------------------|---|
|          | pipe125mm                                |      |       |          |                   | or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3610.    | ManualCarriage,Upto50m, RC/CI pipe150mm  | M    | 4.41  | 1        | 1.2.17.3A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 150 mm dia |
| 3620.    | ManualCarriage,Addl.50m, RC/CI pipe150mm | M    | 0.65  | 1        | 1.2.17.3B         | :Extra on Item 1.2.17.3.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3630.    | ManualCarriage,Upto50m, RCC/CI pipe 200  | M    | 6.62  | 1        | 1.2.17.4A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 200 mm dia |
| 3640.    | ManualCarriage,Addl.50m, RC/CI pipe200mm | M    | 0.97  | 1        | 1.2.17.4B         | :Extra on Item 1.2.17.4.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3650.    | ManualCarriage,Upto50m, RC/CI pipe250mm  | M    | 11.64 | 1        | 1.2.17.5A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 250 mm dia |
| 3660.    | ManualCarriage,Addl.50m, RC/CI           | M    | 1.71  | 1        | 1.2.17.5B         | :Extra on Item 1.2.17.5.A for every additional lead of 50m  |

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|----------|--|------|-------|----------|-------------------|---|
|          | pipe250mm                                |      |       |          |                   | or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3670.    | ManualCarriage,Upto50m, RC/CI pipe300mm  | M    | 14.57 | 1        | 1.2.17.6A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 300 mm dia |
| 3680.    | ManualCarriage,Addl.50m, RC/CI pipe300mm | M    | 2.14  | 1        | 1.2.17.6B         | :Extra on Item 1.2.17.6.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3690.    | ManualCarriage,Upto50m, RC/CI pipe350mm  | M    | 20.83 | 1        | 1.2.17.7A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 350 mm dia |
| 3700.    | ManualCarriage,Addl.50m, RC/CI pipe350mm | M    | 3.06  | 1        | 1.2.17.7B         | :Extra on Item 1.2.17.7.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3710.    | ManualCarriage,Upto50m, RC/CI pipe400mm  | M    | 24.24 | 1        | 1.2.17.8A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 400 mm dia |
| 3720.    | ManualCarriage,Addl.50m, RC/CI           | M    | 3.56  | 1        | 1.2.17.8B         | :Extra on Item 1.2.17.8.A for every additional lead of 50m  |

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| Item No. | Description                               | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-------|----------|-------------------|---|
|          | pipe400mm                                 |      |       |          |                   | or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3730.    | ManualCarriage,Upto50m,RC/CI pipe450-500  | M    | 32.32 | 1        | 1.2.17.9A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 450 & 500 mm dia           |
| 3740.    | ManualCarriage,Addl.50m,RC/CI pipe450-500 | M    | 4.74  | 1        | 1.2.17.9B         | :Extra on Item 1.2.17.9.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)   |
| 3750.    | ManualCarriage,Upto50m, RC/CI pipe600-800 | M    | 35.55 | 1        | 1.2.17.10A        | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: R.C.C Pipes, steel cylinder, R.C. Pipes, C.I. Pipes and unreinforced cement pipes : 600, 700, 750 & 800 mm dia |
| 3760.    | ManualCarriage,Addl.50m,RC/CI pipe600-800 | M    | 5.22  | 1        | 1.2.17.10B        | :Extra on Item 1.2.17.10.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)  |
| 3770.    | ManualCarriage,Upto50m, Asbst pipe50mm    | M    | 0.53  | 1        | 1.2.18.1A         | :Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Asbestos Cement : 50 mm dia  |
| 3780.    | ManualCarriage,Addl.50m, Asbst pipe50mm   | M    | 0.08  | 1        | 1.2.18.1B         | :Extra on Item 1.2.18.1.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional  |

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| Item No. | Description                               | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|------|----------|-------------------|--|
|          |   |      |      |          |                   | leads(Rate :100m/Lead)   |
| 3790.    | ManualCarriage,Upto50m, Asbst pipe 80mm   | M    | 1.46 | 1        | 1.2.18.2A         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; For first 50 metres   |
| 3800.    | ManualCarriage,Addl.50m, Asbst pipe 80mm  | M    | 0.21 | 1        | 1.2.18.2B         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; Every additional lead of 50 metre or part thereof beyond 1st 50 metre upto 9 such additional leads. |
| 3810.    | ManualCarriage,Upto50m, Asbst pipe 100m   | M    | 2.08 | 1        | 1.2.18.3A         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; For first 50 metres   |
| 3820.    | ManualCarriage,Addl.50m, Asbst pipe 100m  | M    | 0.31 | 1        | 1.2.18.3B         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; Every additional lead of 50 metre or part thereof beyond 1st 50 metre upto 9 such additional leads. |
| 3830.    | ManualCarriage,Upto50m, Asbst pipe 150mm  | M    | 2.91 | 1        | 1.2.18.4A         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; For first 50 metres   |
| 3840.    | ManualCarriage,Addl.50m, Asbst pipe 150mm | M    | 0.43 | 1        | 1.2.18.4B         | Carriage of materials by Manual Labour including loading, Unloading and stacking for lead less than 0.50 km; Every additional lead of 50 metre or part thereof beyond 1st 50                                     |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | metre upto 9 such additional leads.  |
| 3850.    | Loading/unloading/stacking: cement       | TON  | 94.80  | 1        | 1.3              | Loading in or unloading cement from the Railway wagon at siding and carrying the same from or into godowns adjacent to the siding, including stacking the same properly in rows upto any height as per the direction of Engineer-in-charge, sweeping the wagons and screening the swept cement and filling in bags complete. |
| 3860.    | Loading/unloading from wagon: Steel      | TON  | 140.42 | 1        | 1.4.1            | Loading in or unloading from the Railway wagon as per the direction of Engineer-in-charge.   |
| 3870.    | Loading/unloading: GI,CI,RCC pipes<500mm | TON  | 83.38  | 1        | 1.4.2            | Loading in or unloading from the Railway wagon as per the direction of Engineer-in-charge.   |
| 3880.    | Loading/unloading: Heavy materials       | TON  | 152.93 | 1        | 1.4.3            | Loading in or unloading from the Railway wagon as per the direction of Engineer-in-charge.   |

**44-58 : ROADS & BRIDGES**

**44 : SITE CLEARANCE**

|     |                                       |     |           |   |      |   |
|-----|---------------------------------------|-----|-----------|---|------|---|
| 10. | Clearing Grass and Removal of Rubbish | HEC | 30,638.05 | 1 | 44.1 | <b>Clearingandgrubbingroadland</b> includinguprootingrankveg etation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top |
|-----|---------------------------------------|-----|-----------|---|------|---|



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| Item No. | Description                                      | Unit | Rate       | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|------------|----------|-------------------|---|
|          |  |      |            |          |                   | organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.   |
| 20.      | Clearing and grubbing road land of light jungle  | HEC  | 92,389.19  | 1        | 44.2.1.1          | Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. <b>By Manual Means:-In area of light jungle</b>      |
| 30.      | Clearing and grubbing road land of thorny jungle | HEC  | 123,502.30 | 1        | 44.2.1.2          | (b) Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. <b>By Manual Means:-In area of thorny jungle</b> |
| 40.      | Clearing and grubbing road land mechanically     | HEC  | 40,024.40  | 1        | 44.2.2.1          | Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead   |

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|          |   |      |           |          |                  | of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.<br><b>By Mechanical Means :-In area of light jungle</b>   |
| 50.      | Clearing and grubbing road land and thorny jungle | HEC  | 48,907.12 | 1        | 44.2.2.2         | (b) Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. <b>By Mechanical Means :-In area of thorny jungle</b> |
| 60.      | Dismantling of existing structures manually       | M3   | 592.82    | 1        | 44.3.1.1.1       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres as per Technical Specification Clause 202. <b>By Manual Means :- Lime Concrete, cement concrete grade M-10 and below</b>            |
| 70.      | Dismantling CC Grade M-15 & M-20 manually         | M3   | 715.38    | 1        | 44.3.1.1.2       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry,  |

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|          |   |      |          |          |                   | cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres as per Technical Specification Clause 202. <b>By Manual Means :- Cement Concrete Grade M-15 &amp; M-20</b>  |
| 80.      | Dismantling CC above Grade M-20-manually    | M3   | 1,988.51 | 1        | 44.3.1.1.3        | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres as per Technical Specification Clause 202. <b>By Manual Means :- Prestressed/ Reinforced cement concrete grade M-20 &amp; above</b> |
| 90.      | Dismantling CC Grade M15 & M20 mechanically | M3   | 638.28   | 1        | 44.3.1.2.1        | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres as per Technical Specification Clause 202. <b>By Mechanical Means Means :- Cement Concrete Grade M-15 &amp; M-20</b>                |

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| 100.     | DismantlingCCaboveGrade M-20mechanically | M3   | 1,177.18 | 1        | 44.3.1.2.2       | (b) Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres as per Technical Specification Clause 202.<br><b>By Mechanical Means :-Prestressed / Reinforced cement concretegrade M-20&amp;above</b> |
| 110.     | Dismantling lime mortar                  | M3   | 347.71   | 1        | 44.4.1.1         | "Dismantling of existing structures like culverts, bridges, retaining walls andother structures comprising of brick masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>In lime mortar"</b>   |
| 120.     | DismantlingCement mortar                 | M3   | 470.26   | 1        | 44.4.1.2         | Dismantling of existing structures like culverts, bridges, retaining walls andother structures comprising of brick masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202.<br><b>InCementmortar"</b>   |
| 130.     | DismantlingMud mortar                    | M3   | 298.69   | 1        | 44.4.1.3         | "Dismantling of existing structures like culverts, bridges, retaining walls andother structures comprising of brick  |

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|          |  |      |        |          |                  | masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>In mud mortar.</b>   |
| 140.     | Dismantlingbrick pitching orbrick soling | M3   | 274.18 | 1        | 44.4.1.4         | Dismantling of existing structures like culverts, bridges, retaining walls andother structures comprising of brick masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202- <b>In Dry brick pitching or brick soling</b>     |
| 150.     | Dismantling stone masonry in lime mortar | M3   | 396.74 | 1        | 44.5.1.1         | Dismantling of existing structures like culverts, bridges, retaining walls andother structure comprising of stone masonry, including disposal of unserviceablematerial and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>InRubble stone masonry in lime mortar"</b>     |
| 160.     | Dismantling stonemasonry in cementmortar | M3   | 470.26 | 1        | 44.5.1.2         | "Dismantling of existing structures like culverts, bridges, retaining walls andother structure comprising of stone masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>In Rubble stone masonry in cementmortar."</b> |
| 170.     | Dismantlingstone masonry in mud          | M3   | 347.71 | 1        | 44.5.1.3         | "Dismantling of existing structures like culverts, bridges,   |

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|          | mortar                            |      |        |          |                  | retaining walls andother structure comprising of stone masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>In Rubble stone masonry in mud mortar."</b>  |
| 180.     | Dismantling dry rubble masonry    | M3   | 323.21 | 1        | 44.5.1.4         | Dismantling of existing structures like culverts, bridges, retaining walls andother structure comprising of stone masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202. <b>In Dry rubble masonry"</b>                            |
| 190.     | Dismantling stone pitching        | M3   | 298.69 | 1        | 44.5.1.5         | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of stone masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specification Clause 202. <b>Dismantling stone pitching/ dry stone spalls."</b> |
| 200.     | Dismantling boulder in wirecrates | M3   | 347.71 | 1        | 44.5.1.6         | "Dismantling of existing structures like culverts, bridges, retaining walls andother structure comprising of stone masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202.   |

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|          |   |      |          |          |                  | <b>Dismantling boulderslaid in wire crates including opening of crates and stacking dismantled materials."</b>  |
| 210.     | Dismantling Wood Work Wrough&Planned      | M3   | 933.17   | 1        | 44.6             | "Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of stone masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specification Clause 202. <b>Dismantling Wood Work Wrought and Planed Fixed in Frames of Trusses upto a height of 5m above Plinth Level as per Technical Specification Clause 202."</b> |
| 220.     | Dismantling Steel including dismembering  | TON  | 2,523.10 | 1        | 44.7.1           | Dismantling Steel Work in all Types of Sections upto a height of 5 m above Plinth Level excluding Cutting of rivet as per Technical Specification Clause 202. <b>Including dismembering"</b>  |
| 230.     | Dismantling Steel excluding dismembering  | TON  | 1,857.14 | 1        | 44.7.2           | Dismantling Steel Work in all Types of Sections upto a height of 5 m above Plinth Level excluding Cutting of rivet as per Technical Specification Clause 202. <b>Excluding dismembering.</b>  |
| 240.     | Dismantling Steel work for cutting rivets | TON  | 19.00    | 1        | 44.7.3           | "Dismantling Steel Work in all Types of Sections upto a height of 5 m above Plinth Level excluding Cutting of rivet as per Technical Specification Clause 202- <b>In Extra over item No ( V ) A and ( V ) B for cutting</b>   |

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|          |   |      |        |          |                   | <b>rivets."</b>  |
| 250.     | Scraping of dismantled bricks                     | T    | 2.14   | 1        | 44.8              | Scraping of bricks <b>dismantled from brick work</b> including stacking as per Technical Specification Clause 202.   |
| 260.     | Scraping of Stone In Cement or Lime Mortar        | M3   | 860.60 | 1        | 44.9              | Scraping of Stone from Dismantled Stone Masonry as per Technical Specification Clause 202. <b>In Cement or Lime Mortar</b>   |
| 270.     | Scraping plaster In Cement or Lime Mortar         | M2   | 26.03  | 1        | 44.10             | Scraping Plaster in Lime or Cement Mortar from Brick / Stone Masonry as per Technical Specification Clause 202.  |
| 280.     | Removing all types of Hume pipes Upto 600 mm dia  | M    | 318.09 | 1        | 44.11.1           | Removing all types of <b>Hume pipes</b> and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202. <b>Up to 600 mm dia</b>             |
| 290.     | Removing all types of Hume pipes Upto 900 mm dia  | M    | 430.30 | 1        | 44.11.2           | Removing all types of <b>Hume pipes</b> and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202. <b>Above 600 mm Upto 900 mm dia</b> |
| 300.     | Removing all types of Hume pipes above 900 mm dia | M    | 647.00 | 1        | 44.11.3           | Removing all types of <b>Hume pipes</b> and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202. <b>above 900 mm dia</b>             |



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| 310.     | Dismantling Manually on Bituminous courses  | M3   | 1,099.66 | 1        | 44.12.1.1.1       | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 <b>By Manual means on Bituminous courses</b>   |
| 320.     | Dismantling Manually on Granular courses    | M3   | 769.53   | 1        | 44.12.1.1.2       | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 <b>-By Manual means on Granular courses</b>  |
| 330.     | Dismantling Bituminous courses Mechanically | M3   | 371.67   | 1        | 44.12.1.2.1       | Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 <b>-By Mechanical means on Bituminous courses</b>  |
| 340.     | Dismantling CC pavement mechanically        | M3   | 1,524.79 | 1        | 44.13.1           | <b>Dismantling of cement concrete pavement by mechanical means</b> using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately. |
| 350.     | Dismantling guardrail manually              | M    | 115.67   | 1        | 44.14             | <b>Dismantling guard rails by manual means</b> and disposal of dismantled material with all lifts and upto a lead of 1000   |

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|          |   |      |        |          |                  | m, stacking serviceable materials and unserviceable materials separately as per Technical Specification Clause 202.   |
| 360.     | Dismantling kerbstone manually              | M    | 19.00  | 1        | 44.15            | <b>Dismantling kerb stones by manual means</b> and disposal of dismantled material with all lifts and upto a lead of 1000 m as per Technical Specification Clause 202.  |
| 370.     | Dismantling KerbStoneChannel manually       | M    | 28.00  | 1        | 44.16            | <b>Dismantling kerb stone channel by manual means</b> and disposal of dismantled material with all lifts and up to a lead of 1000 metre.  |
| 380.     | Dismantling of kilometre stone 5th KM stone | EA   | 599.00 | 1        | 44.17.1          | Dismantling of kilometre stones including cutting of earth, foundation and disposal of dismantled material with all lifts and lead upto 1000 m and backfilling of pit as per Technical Specification Clause 202. <b>5th KM stone</b>        |
| 390.     | Dismantling of Ordinary KM Stone            | EA   | 354.00 | 1        | 44.17.2          | Dismantling of kilometre stones including cutting of earth, foundation and disposal of dismantled material with all lifts and lead upto 1000 m and backfilling of pit as per Technical Specification Clause 202. <b>Ordinary KM Stone</b>   |
| 400.     | Dismantling of Hectometre Stone             | EA   | 71.00  | 1        | 44.17.3          | Dismantling of kilometre stones including cutting of earth, foundation and disposal of dismantled material with all lifts and lead upto 1000 m and backfilling of pit as per Technical Specification Clause 202. <b>In Hectometre Stone</b> |
| 410.     | Dismantling of CI water pipeline 600m       | M    | 183.00 | 1        | 44.18            | <b>Dismantling of CI water pipe line 600 mm dia</b> including   |

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|  | mdia   |      |        |          |                   | disposal with all lifts and lead upto 1000 metres and stacking of serviceable material and unserviceable material separately under supervision of concerned department as per Technical Specification Clause 202.)  |
| 420.   | Removal of CC pipe of sewer gutter 1500 mm dia | M    | 262.00 | 1        | 44.19             | <b>Removal of cement concrete pipe of sewer gutter 1500 mm dia</b> under the supervision of concerned department including disposal with all lifts and up to a lead of 1000 metres and stacking of serviceable and unserviceable material separately but excluding earth excavation and dismantling of masonry works. |
| 430.   | Cutting & uprooting manually tea bushes        | EA   | 42.95  | 1        | 44.20             | Cutting and uprooting <b>manually all kinds of tea bushes</b> , small bamboo stumps or any other small under growth etc.  |
| <b>45 : EARTH WORK, EROSION CONTROL AND DRAINAGE</b> |  |      |        |          |                   |   |
| 10.  | Scarifying Granular Surface-Manually           | M2   | 38.57  | 1        | 45.1              | <b>Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means</b> (Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres. )  |
| 20.  | Scarifying Bitumin Rd Surface Mech'cally       | M2   | 7.94   | 1        | 45.2              | <b>Scarifying existing bituminous surface to a depth of 50 mm by Mechanical means</b> (Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres.)   |

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| 30.      | Surface treatment                        | M2   | 2.62   | 1        | 45.5             | Preparation and surface treatment of formation by removing mud and slurry, watering to the extent needed to maintain the desired moisture content, trimming to the required line, grade, profile and rolling with 8-10 tonne smooth wheeled roller, complete as per clause 310.)                                       |
| 40.      | Excavation for roadway- Manual means     | M3   | 299.00 | 1        | 45.6             | Excavation for <b>roadway in soil using Manual means</b> including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto1000 metres.(Ref. to MoRTH Spec.301)  |
| 50.      | Excavation in ordinary rock-Manual means | M3   | 427.00 | 1        | 45.7             | <b>Excavation in ordinary rock for roadway/culverts using Manual means</b> including loading in a truck and carrying of excavated material to embankment site with in all lifts and leads upto 1000 metres.(Ref. to MoRTH Spec.301)  |
| 60.      | Excavation in ordinary rock-Mechanically | M3   | 130.00 | 1        | 45.8             | Excavation for <b>road way in soil by Mechanical means</b> including cutting and pushing the earth to site of embankment upto a distance of 100 metres (average lead50 metres), including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.(Ref. to MoRTH Spec.301) |
| 70.      | Excavation in ordinary rock-ByDozer      | M3   | 223.00 | 1        | 45.9             | <b>Excavation for roadway in ordinary rock by deploying a dozer, 80 HP</b> including cutting and pushing the cut earth   |

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|          |  |      |        |          |                   | to site of embankment upto a distance of 100 metres ( average lead 50 metres ), trimming bottom and side slopes in accordance with the requirements of lines, grades and cross sections.(Ref. to MoRTH Spec.301)   |
| 80.      | Excavation in hard rock-By blasting          | M3   | 233.00 | 1        | 45.10             | <b>Excavation for roadway in hard rock (requiring blasting)</b> by drilling, blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and disposal of cut road within all lifts and leads upto 1000 metres. (Ref. to MoRTH Spec.301)                                   |
| 90.      | Excavation in roadway by Hydraulic Excavator | M3   | 76.00  | 1        | 45.11             | <b>Excavation for roadwork in soil with hydraulic excavator of 0.9 cum</b> bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m)(Ref. to MoRTH Spec.301) |
| 100.     | Excavation in roadway by Hydraulic Excavator | M3   | 94.00  | 1        | 45.12             | <b>Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum</b> bucket capacity including cutting and loading in tippers, transporting to embankment site within all lifts and lead upto 1000 m, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections. (Ref. to MoRTH Spec.301)    |

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|----------|--|------|----------|----------|-------------------|---|
| 110.     | Excavationhardrockwithoutblasting        | M3   | 541.28   | 1        | 45.13.1           | <b>Excavation for roadway in hard rock (blasting prohibited)</b> with rock breakers including breaking rock, loading in tippers and disposal within all lifts and lead upto 1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.(Ref. to MoRTH Spec.301)- <b>Mechanised</b>    |
| 120.     | Excavationhardrockwithoutblasting manual | M3   | 2,023.62 | 1        | 45.13.2           | <b>Excavation for roadway in hard rock (blasting prohibited)</b> with rock breakers including breaking rock, loading in tippers and disposal within all lifts and lead upto 1000 metres, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.(Ref. to MoRTH Spec.301)- <b>Manual Method</b> |
| 130.     | Excavationhardrockwithcontrolledblast    | M3   | 247.95   | 1        | 45.14             | <b>Excavation for roadway in hard rock with controlled blasting by drilling</b> , blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and disposal of cut road with in all lifts and leads upto 1000 metres.(Ref. to MoRTH Spec.301)                     |
| 140.     | Excavationmarshysoilwithexcavator        | M3   | 85.77    | 1        | 45.15             | <b>Excavation for roadway in marshy soil with hydraulic excavator</b> 0.9 cum bucket capacity including cutting and loading in tippers and disposal with in all lifts and lead upto 1000 metres, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross  |

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|          |  |      |        |          |                   | sections. (Ref. to MoRTH Spec.301)  |
| 150.     | Removal of unserviceable soil                  | M3   | 77.31  | 1        | 45.16             | <b>Removal of unserviceable soil</b> including excavation, loading and disposal upto 1000 metres lead but excluding replacement by suitable soil which shall be paid separately as per clause 305.)   |
| 160.     | Carrying out excavation in hard rock           | M2   | 131.85 | 1        | 45.17             | <b>Carrying out excavation in hard rock</b> to achieve a specified slope of the rock face by controlled use of explosives and blasting accessories in properly aligned and spaced drill holes, collection of the excavated rock by a 80 HP dozer, loading in tipper by a front end loader and disposing of the material with all lifts and lead upto 1000 m, all as specified in clause No. 303)                              |
| 170.     | Earthwork in excavation of foundation manually | M3   | 490.21 | 1        | 45.18.1.1.        | <b>Earth work in excavation of foundation of structures</b> as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil by Manual Means (Depth upto 3 m)</b> |
| 180.     | Earthwork in excavation-mechanically           | M3   | 51.19  | 1        | 45.18.1.2         | <b>Earth work in excavation of foundation of structures</b> as per drawing and technical specification, including setting out, construction of shoring and bracing, removal   |

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|          |                                      |      |        |          |                   | of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil by Mechanical Means (Depth upto 3 m)</b>  |
| 190.     | Earthwork withoutblasting-manualy    | M3   | 612.76 | 1        | 45.18.2.1         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil Manual Means not requiring blasting(Depth upto 3 m)</b>        |
| 200.     | Earthwork withoutblasting-mechanical | M3   | 65.42  | 1        | 45.18.2.2         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil by Mechanical Means not requiring blasting(Depth upto 3 m)</b> |
| 210.     | Earthwork withblasting-manualy       | M3   | 929.71 | 1        | 45.18.3.1         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps   |



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|          |                                       |      |        |          |                   | and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil Manual Means requiring blasting(Depth upto 3 m)</b>  |
| 220.     | Earthwork withblasting-mechanically   | M3   | 811.63 | 1        | 45.18.4.1         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Ordinary Soil Mechanical Means requiring blasting(Depth upto 3 m)</b> |
| 230.     | Earth work on marshysoil-manually     | M3   | 829.62 | 1        | 45.18.5.1         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Marshy Soil Manual Means (Depth upto 3 m)</b>                         |
| 240.     | Earth work on marshysoil-mechanically | M3   | 286.62 | 1        | 45.18.5.2         | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and  |

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|----------|--------------------------------------|------|--------|----------|------------------|--|
|          |                                      |      |        |          |                  | bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) <b>for Marshy Soil Mechanical Means (Depth upto 3 m).</b>  |
| 250.     | Const of Embankment-RRCont           | M3   | 176.47 | 1        | 45.19            | <b>Embankment Construction with Material Obtained from Borrow Pits</b> : Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5( <b>Road roller cost included</b> )       |
| 260.     | ConstofEmbankment-RRCoy              | M3   | 159.32 | 1        | 45.20            | <b>Embankment Construction with Material Obtained from Borrow Pits</b> : Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5( <b>Road roller supplied by Company</b> ) |
| 270.     | Embankmentofmaterialsfromsite-RRCont | M3   | 102.17 | 1        | 45.21            | Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2( <b>Road</b>  |

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|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | <b>roller cost included)</b>   |
| 280.     | Embankment of materials from site-RR Coy        | M3   | 81.33  | 1        | 45.22             | Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2 <b>(Road roller supplied by Company)</b>  |
| 290.     | Const- of subgrade and earthen shoulder RR Cont | M3   | 211.27 | 1        | 45.23             | Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1. <b>( Road roller cost included)</b>       |
| 300.     | Const of subgrade and earthen shoulder RR Coy   | M3   | 190.64 | 1        | 45.44             | Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1. <b>( Road roller supplied by Company)</b> |
| 310.     | Compacting subgrade RR-Cont                     | M3   | 69.09  | 1        | 45.45             | Compacting original ground supporting subgrade (Loosening of the ground upto a level of 500 mm below the subgrade level, watered, graded and compacted in layers to meet requirement of table 300-2 for subgrade construction.) <b>(Road roller cost included)</b>   |

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|----------|---|------|--------|----------|------------------|---|
| 320.     | Compacting Embankment RR-Cont           | M3   | 33.87  | 1        | 45.26            | <b>Compacting original ground supporting embankment</b> (Loosening of the ground upto a level of 500 mm below the subgrade level, watered, graded and compacted in layers to meet requirement of table 300-2 for subgrade construction.)( <b>Road roller cost included</b> )  |
| 330.     | Stripping of top soil from borrow areas | M3   | 78.28  | 1        | 45.27            | Stripping of top soil from borrow areas located in agriculture fields, storing at a suitable place, spreading and relaying after taking the borrow earth to maintain fertility of the agricultural field, finishing it to the required levels to the satisfaction of the farmer/land owner as per Technical Specification Clause 302.3.2. |
| 340.     | Furnish turf grass on embankment slope  | M2   | 39.00  | 1        | 45.29            | Furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations shown on the drawing or as directed by the engineer including preparation of ground, fetching of rods and watering (Ref. to MoRTH Spec.307)   |
| 350.     | Seeding and Mulching                    | M2   | 116.00 | 1        | 45.30            | Seeding and Mulching (Preparation of seed bed on previously laid top soil, furnishing and placing of seeds, fertilizer, mulching material, applying bituminous emulsion at the rate of 0.23 litres per sqm and laying and fixing jute netting, including watering for 3 months all as per clause 308)                                     |

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|----------|---|------|--------|----------|-------------------|--|
| 360.     | Const embankment with hard rock-RRCont          | M3   | 60.00  | 1        | 45.31             | Construction of rock fill embankment with broken hard rock fragments of size not exceeding 300 mm laid in layers not exceeding 500 mm thick including filling of surface voids with stone spalls, blinding top layer with granular material, rolled with vibratory road roller, all complete as per clause 313) <b>(Cost of road roller services included)</b> |
| 370.     | Excavation soil in hilly area by mechanical     | M3   | 181.00 | 1        | 45.32             | Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with all lifts and lead upto 1000 metres)  |
| 380.     | Excavation in hilly area not requiring blasting | M3   | 265.00 | 1        | 45.33             | Excavation in <b>hilly area in ordinary rock not requiring ballasting</b> by mechanical means including cutting and trimming of slopes and disposal of cut material with all lift and lead upto 1000 metres )  |
| 390.     | Excavation in hilly area requiring blasting     | M3   | 330.00 | 1        | 45.34             | <b>Excavation in hilly areas in hard rock requiring blasting</b> , by mechanical means including trimming of slopes and disposal of cut material with all lifts and lead upto 1000 metres.)  |
| 400.     | Construction of embankment with fly ash         | M3   | 125.77 | 1        | 45.35             | <b>Construction of embankment with fly ash</b> conforming to table 1 of IRC: SP: 58 - 2001 obtained from coal or lignite burning thermal power stations as waste material, spread and compacted in layer of 200mm thickness each at  |

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|                            |   |      |        |          |                   | OMC, all as specified in IRC: SP: 58-2001 and as per approved plans.  |
| <b>46 : SURFACE DRAINS</b> |   |      |        |          |                   |   |
| 10.                        | Surface Drains in Soil -Mechanicalmeans     | M    | 73.00  | 1        | 46.1.1            | <b>Surface Drains in Soil</b> (Construction of unlined surface drains of average cross sectional area 0.40 sqm in soil to specified lines, grades, levels and dimensions to the requirement of clause 301 and 309. Excavated material to be used in embankment within a lead of 50 metres (average lead 25 metres)) <b>Mechanical means</b>   |
| 20.                        | Surface Drains in Soil-Manualmeans          | M    | 123.00 | 1        | 46.1.2            | <b>Surface Drains in Soil</b> (Construction of unlined surface drains of average cross sectional area 0.40 sqm in soil to specified lines, grades, levels and dimensions to the requirement of clause 301 and 309. Excavated material to be used in embankment within a lead of 50 metres (average lead 25 metres)) <b>Manual Means</b>       |
| 30.                        | Surface Drains in ordinary Soil-Mechanicaly | M    | 147.00 | 1        | 46.2.1            | <b>Surface Drains in Ordinary Rock</b> (Construction of unlined surface drain of average cross sectional area 0.4 sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and to the requirement of clause 301 to 309. Excavated material to be used in embankment at site.) <b>By Mechanical means</b> |
| 40.                        | Surface Drains in ordinary Soil-Manually    | M    | 184.00 | 1        | 46.2.2            | <b>Surface Drains in Ordinary Rock</b> (Construction of unlined surface drain of average cross sectional area 0.4   |

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|-------------------------------------|--|------|----------|----------|-------------------|---|
|                                     |  |      |          |          |                   | sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and to the requirement of clause 301 to 309. Excavated material to be used in embankment at site.) <b>By Manual Means</b>   |
| 50.                                 | Surface Drainswithperforatedpipe         | M    | 219.00   | 1        | 46.3              | <b>Construction of subsurface drain with perforated pipe of 100 mm internal diameter of metal/ asbestos cement/ cement concrete/PVC, closely jointed, perforations ranging from 3 mm to 6 mm depending upon size of material surrounding the pipe, with 150 mm bedding below the pipe and 300 mm cushion above the pipe, cross section of excavation 450 x 550 mm. Excavated material to be utilised in roadway at site</b> |
| 60.                                 | Constructionofsurfacedrain-withaggregate | M    | 89.00    | 1        | 46.4              | <b>Construction of aggregate sub surface drain 300 mm x 450 mm with aggregates conforming to table 300-4, excavated material to be utilised in roadway )</b>  |
| 70.                                 | Constructionofundergrounddrainwithcover  | M    | 1,367.62 | 1        | 46.5              | <b>Construction of an underground drain 1 m x 1 m (inside dimensions) lined with RCC-20 cm thick and covered with RCC slab10 cm in thickness on urban roads.</b>  |
| <b>47 : UNSURFACED/UNPAVED ROAD</b> |  |      |          |          |                   |   |
| 10.                                 | 150 MM GRANULAR SUB-BASE-RR-Company      | M2   | 108.83   | 1        | 47.1              | <b>CONSTRUCTION OF 150 MM (CONSOLIDATED) GRANULAR SUB-BASE</b> consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished  |

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|----------|--|------|--------|----------|------------------|---|
|          |  |      |        |          |                  | road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401 <b>(Road roller supplied by company).</b>   |
| 20.      | 100 MM GRANULAR SUB-BASE-RR-Company    | M2   | 94.11  | 1        | 47.2             | <b>CONSTRUCTION OF 100MM (CONSOLIDATED) GRANULAR SUB-BASE</b> consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. <b>(Road roller supplied by company).</b>    |
| 30.      | 150 MM GRANULAR SUB-BASE-RR-Contractor | M2   | 116.40 | 1        | 47.3             | <b>CONSTRUCTION OF 150MM (CONSOLIDATED) GRANULAR SUB-BASE</b> consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. <b>(Road roller supplied by contractor).</b> |
| 40.      | 100 MM GRANULAR SUB-BASE-RR-Contractor | M2   | 101.68 | 1        | 47.4             | <b>CONSTRUCTION OF 100MM (CONSOLIDATED) GRANULAR SUB-BASE</b> consolidated by dry rolling to proper grade including providing well compacted berms with earth on either side 1.2m wide levelled with finished road surface, dressing sub-grade including cutting surface upto 75mm deep to required level and as per clause 401. <b>(Road roller supplied by contractor).</b> |



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|----------|--|------|--------|----------|------------------|---|
| 50.      | Extracting / recovering of gravel, stone | M3   | 113.45 | 1        | 47.5             | Extracting / recovering of gravel, stone etc. from abandoned yard or road surface and carrying and stacking of recovered metal at a distance of upto 20m near road side, including all necessary excavation etc. as per direction.  |
| 60.      | REPAIR OF DAMAGED GRAVELLED ROAD SURFACE | M2   | 124.58 | 1        | 47.6             | <b>REPAIR OF DAMAGED GRAVELLED ROAD SURFACE</b> by dry and wet rolling gravel (25mm to 65mm) and sand shingles spread evenly over damaged surface including rolling out damaged portions etc.as per clause 401. <b>(Road roller supplied by company).</b>   |
| 70.      | 150 MM GRAVEL ROAD-RR-Company            | M2   | 108.42 | 1        | 47.7             | <b>CONSTRUCTIONS OF 150 MM THICK (CONSOLIDATED) GRAVELLED ROAD</b> including providing well compacted side berms with earth on either sides, one metre wide and 50mm thick above final level of gravelled road, dressing sub-grade (including cutting of earth up to 75mm deep) to required level, spreading gravel in two layers with bindage of dry earth and dry rolling each layer separately until fully compacted and finally spreading sand shingles uniformly to 25mm thick and re-rolled as directed <b>(Road roller, fuel, lubricant and driver supplied by the company).</b> Contractor to provide security for road roller.(Ref. to MoRTH Spec.401) |
| 80.      | 100 MM GRAVEL                            | M2   | 96.17  | 1        | 47.8             | <b>CONSTRUCTIONS OF 100 MM THICK</b>  |

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| Item No. | Description                         | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|-------------------------------------|------|--------|----------|------------------|---|
|          | ROAD-RR-Company                     |      |        |          |                  | <b>(CONSOLIDATED) GRAVELLED ROAD</b> including providing well compacted side berms with earth on either sides, one metre wide and 50mm thick above final level of gravelled road, dressing sub-grade (including cutting of earth up to 75mm deep) to required level, spreading gravel in two layers with bindage of dry earth and dry rolling each layer separately until fully compacted and finally spreading sand shingles uniformly to 25mm thick and re-rolled as directed <b>(Road roller, fuel, lubricant and driver supplied by the company). Contractor to provide security for road roller.(Ref. to MoRTH Spec.401)</b> |
| 90.      | 150 MM GRAVEL<br>ROAD-RR-Contractor | M2   | 117.31 | 1        | 47.9             | <b>CONSTRUCTIONS OF 150 MM THICK (CONSOLIDATED) GRAVELLED ROAD</b> including providing well compacted side berms with earth on either sides, one metre wide and 50mm thick above final level of gravelled road, dressing sub-grade (including cutting of earth up to 75mm deep) to required level, spreading gravel in two layers with bindage of dry earth and dry rolling each layer separately until fully compacted and finally spreading sand shingles uniformly to 25mm thick and re-rolled as directed.(Ref. to MoRTH Spec.401) <b>(Road roller provided by contractor).</b>   |
| 100.     | 100 MM GRAVEL<br>ROAD-RR-Contractor | M2   | 107.47 | 1        | 47.10            | <b>CONSTRUCTIONS OF 100 MM THICK (CONSOLIDATED) GRAVELLED ROAD</b> including  |

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|----------|------------------------------|------|--------|----------|------------------|---|
|          |                              |      |        |          |                  | providing well compacted side berms with earth on either sides, one metre wide and 50mm thick above final level of gravelled road, dressing sub-grade (including cutting of earth up to 75mm deep) to required level, spreading gravel in two layers with bindage of dry earth and dry rolling each layer separately until fully compacted and finally spreading sand shingles uniformly to 25mm thick and re-rolled as directed.(Ref. to MoRTH Spec.401)( <b>Road roller provided by contractor</b> ).                                 |
| 110.     | 100 MM WBM Course-RR-Company | M2   | 131.28 | 1        | 47.11            | <b>CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick</b> (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy loamy earth of 0.01 cum/sqm and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface.( <b>Road roller supplied by company</b> ). |
| 120.     | 75 MM WBM Course-RR-Company  | M2   | 124.88 | 1        | 47.12            | <b>CONSTRUCTION OF WATER BOUND MACADAM base course 75 mm thick</b> (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy earth 0.01 cum/sqm and finally   |

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|----------|------------------------------------|------|--------|----------|------------------|---|
|          |                                    |      |        |          |                  | sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface. <b>(Road roller supplied by company).</b>   |
| 130.     | 100 MM WBM<br>Course-RR-Contractor | M2   | 141.24 | 1        | 47.13            | <b>CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick</b> (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy earth and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface. <b>(Road roller supplied by contractor).</b> |
| 140.     | 75 MM WBM<br>Course-RR-Contractor  | M2   | 132.46 | 1        | 47.14            | <b>CONSTRUCTION OF WATER BOUND MACADAM base course 75 mm thick</b> (Wearing course) and Surfacing Course (sealing coat) with loose hand broken metal of size 63mm and graded down to 45mm rolled dry to proper compaction, grade and camber and wet rolling after placing bindage of loamy earth and finally sealing the compacted surface with a 25mm thick layer of sand shingles (Ref. to MoRTH Spec.404) and as directed as applied over new consolidated surface. <b>(Road roller supplied by contractor).</b> |

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| Item No. | Description                            | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|--------|----------|-------------------|--|
| 150.     | REPAIRING WBM BY 100 MM THICK- RR Coy  | M2   | 116.10 | 1        | 47.15             | <b>REPAIRING OF DAMAGED ROAD SURFACE BY 100 MM THICK WBM</b> with 63mm to 45mm hand broken road metal, consolidated by road roller / manually to correct grade / course including excavation or raking out damaged portions as per direction (Ref. to MoRTH Spec.404) <b>(Road roller supplied by company).</b>    |
| 160.     | REPAIRING WBM BY 75 MM THICK- RR Coy   | M2   | 92.69  | 1        | 47.16             | <b>REPAIRING OF DAMAGED ROAD SURFACE BY 75MM THICK WBM</b> with 63mm to 45mm hand broken road metal, consolidated by road roller / manually to correct grade / course including excavation or raking out damaged portions as per direction (Ref. to MoRTH Spec.404) <b>(Road roller supplied by company).</b>      |
| 170.     | REPAIRING WBM BY 100 MM THICK- RR Cont | M2   | 123.68 | 1        | 47.17             | <b>REPAIRING OF DAMAGED ROAD SURFACE BY 100 MM THICK WBM</b> with 63mm to 45mm hand broken road metal, consolidated by road roller / manually to correct grade / course including excavation or raking out damaged portions as per direction (Ref. to MoRTH Spec.404) <b>(Road roller supplied by Contractor).</b> |
| 180.     | REPAIRING WBM BY 75 MM THICK- RR Cont  | M2   | 104.38 | 1        | 47.18             | <b>REPAIRING OF DAMAGED ROAD SURFACE BY 75MM THICK WBM</b> with 63mm to 45mm hand broken road metal, consolidated by road roller / manually to correct grade / course including excavation or raking out damaged portions as per direction (Ref. to MoRTH Spec.404) <b>(Road roller supplied by Contractor).</b>   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
| 190.     | Maintaining new drilling plinth permonth | PSP  | 9.48      | 1        | 47.19            | Maintaining newly constructed drilling plinth including gravelled road over plinth for drilling locations, throughout the month, as per direction of Engineer-in-charge.   |
| 200.     | Maintaining Old drilling plinth permonth | PSP  | 8.76      | 1        | 47.20            | Maintaining Old plinth for work over operations including gravelled road over plinth for drilling locations, throughout the month, ( as per direction of Engineer-in-charge.).   |
| 210.     | Maintaining 4-5m Graveled Road           | KMO  | 10,159.80 | 1        | 47.21            | Maintaining existing 4.00m to 5.00m wide gravelled road / approach to drill well throughout the month including operations, services and repair to pot holes / ruts ( as per direction of Engineer-in-charge.) including cutting cross drains and dressing side berms etc. for all kinds of traffic. |
| 220.     | Maintenance of WBM road over plinth      | PSP  | 14.77     | 1        | 47.22            | Maintenance of WBM road over plinth for new drilling location including filling up of pot holes, ruts and rectifying corrugated surface, damaged edges and ravelling as per technical specification Clause 1906.   |
| 230.     | Spreading gravel, brick bat              | M3   | 351.23    | 1        | 47.23            | Spreading gravel, pea-gravel or brick bat over sunken road surface, including carrying from a distance of 30.00m.  |
| 240.     | Spreading Cinder, Sand Shingle           | M3   | 234.16    | 1        | 47.24            | Spreading cinder, sand shingle and sand over sunken road surface, including carrying from a distance of 30.00m.  |

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|----------|---------------------------------------|------|--------|----------|------------------|---|
| 250.     | Spreading Sand                        | M3   | 158.06 | 1        | 47.25            | Spreading sand / filling, dry sand over sunken road surface, including carrying from a distance of 30.00 m.   |
| 260.     | Levelling and dressing road sides     | M2   | 19.08  | 1        | 47.26            | Levelling and dressing road sides and verges including dressing the area and cutting earth upto 150mm depth and filling depression and breaking large earth lumps as directed.  |
| 270.     | SoilStabilisa MechanicalMeans RR-Cont | M3   | 172.46 | 1        | 47.27            | "Soil Stabilisation for Improving Subgrade :Construction of Sub-base/base using lime - Flyash or other approved admixtures/soil stabilizer admixture with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984. <b>(Including supply of all T&amp;P, road roller by Contractor, excluding cost of admixture. )RR-Cont, Admix:Coy. By Mechanical Means"</b> |
| 280.     | SoilStabilisa Manual Means            | M3   | 208.00 | 1        | 47.27A           | "Soil Stabilisation for Improving Subgrade :Construction of   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          | RR-Cont                                  |      |        |          |                  | Sub-base/base using lime - Flyash or other approved admixtures/soil stabilizer admixture with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984. <b>(Including supply of all T&amp;P, Road Roller by Contractor, excluding cost of admixture. )RR-Cont, Admix:CoyBy Manual Means.</b><br>" |
| 290.     | SoilStabilisa material by Contractors Me | M3   | 509.07 | 1        | 47.28            | "Lime Soil Stabilisation for Improving Subgrade :Construction of Sub-base/base using lime with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984.  |



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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | (Including supply of all T&P , Lime & Road Roller supplied by Contractor) By Mechanical Means<br>"  |
| 300.     | Soil Stabilisation<br>RR-Contr-manually | M3   | 555.00 | 1        | 47.28A           | "Lime Soil Stabilisation for Improving Subgrade :Construction of Sub-base/base using lime with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984.<br><b>(Including supply of all T&amp;P , Lime &amp; road roller supplied by Contractor)By Manual Means</b><br>" |
| 310.     | SoilStabilisationRR-Coy-mechanically    | M3   | 153.00 | 1        | 47.28B           | <b>Soil Stabilisation for Improving Subgrade</b> :Construction of Sub-base/base using lime - Flyash or other approved admixtures/soil stabilizer admixture with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per   |

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|----------|--------------------------------------|------|--------|----------|------------------|---|
|          |                                      |      |        |          |                  | cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984. <b>(Including supply of all T&amp;P, road roller by Company, excluding cost of admixture. ) By Mechanical Means"</b>   |
| 320.     | Soil Stabilisation RR-Company Manual | M3   | 180.00 | 1        | 47.28C           | <b>"Soil Stabilisation for Improving Subgrade</b><br>:Construction of Sub-base/base using lime - Flyash or other approved admixtures/soil stabilizer admixture with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984. <b>(Including supply of all T&amp;P, road roller by Company, excluding cost of admixture)All material to be provided by Company.By Manual Means. "</b> |
| 330.     | Soil Stabilisation RR-Company        | M3   | 493.86 | 1        | 47.28D           | <b>Lime Soil Stabilisation for Improving Subgrade</b>   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          | Mechanica                                |      |        |          |                   | :Construction of Sub-base/base using lime with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984. <b>(Including supply of all T&amp;P , Lime supplied by Contractor &amp; road rollersupplied by Company)RR:Company,Materials to be provided by:Contractor.By Mechanical Means.</b> |
| 340.     | SoilStabilisationRR-Coy,material-Cont Ma | M3   | 527.00 | 1        | 47.28E            | <b>Lime Soil Stabilisation for Improving Subgrade</b><br>:Construction of Sub-base/base using lime with granular soil, free from organic matter/ deleterious material or clayey silts and low plasticity clays having PI between 5 and 20 and liquid limit less than 25 and commercial dry lime, slaked at site or pre-slaked with CaO content not less than 50 per cent, Flyash to conform to gradation as per clause 4.3 of IRC: 88-1984, lime + Flyash content ranging between 10 to 30 per cent, the minimum un-confined compressive strength and CBR value after 28 days curing and 4 days soaking to be 7.5kg/sq, cm and 25 per cent respectively, all as specified in IRC: 88-1984.  |

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|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | (Including supply of all T&P , Lime supplied by Contractor & road roller supplied by Company)RR: Coy, Materials to be provided by : Contractor. By Manual Means.<br>"   |
| 350.     | Wet Mix Macadam RR-Cont                  | M3   | 304.27 | 1        | 47.29             | <b>Wet Mix Macadam</b> (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.) <b>Supply of Materials to be paid seperately.(as per Clause 405.3andTechnicalSpecificationCluase 408)</b> |
| 360.     | Boulder soling size above 100mm to 150mm | M2   | 133.76 | 1        | 47.30.1           | <b>Laying Boulder Soling of specified size</b> , including grading the base, spreading cinder / sand underneath and packing interstices with broken or small boulders and gravel, as available to form a homogeneous mass after necessary ramming where required and including spreading 50mm to 75mm thick spoil on top, including carrying of materials upto a distance of 30.00m. <b>Boulder size 100mm to 150mm.</b>  |
| 370.     | Boulder soling size above 150mm          | M2   | 167.03 | 1        | 47.30.2           | <b>Laying Boulder Soling, of specified size</b> , including   |

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|----------|--|------|--------|----------|-------------------|---|
|          | to 225mm                               |      |        |          |                   | grading the base, spreading cinder / sand underneath and packing interstices with broken or small boulders and gravel, as available to form a homogeneous mass after necessary ramming where required and including spreading 50mm to 75mm thick spoil on top, including carrying of materials upto a distance of 30.00m. <b>Boulder size above 150mm to 225mm.</b> |
| 380.     | 75mmth Brick Soling with earth packing | M2   | 97.80  | 1        | 47.31             | <b>Laying Brick Flat Soling (75mm thick)</b> including grading the base and <b>packing joints with earth</b> and including spreading loamy earth on top upto 25mm thick with all materials carried from upto a distance of 30.00m.  |
| 390.     | 150mmth BrickSoling with earth packing | M2   | 170.42 | 1        | 47.32             | <b>Laying Flat Brick Soling (150mm thick) in 2 layers</b> including necessary grading the base <b>and packing joints with loamy earth</b> , including spreading loamy earth on top upto 25mm thick, with carriage of all materials from a distance of upto 30.00m.  |
| 400.     | 75mmth Brick Soling with grouting      | M2   | 173.85 | 1        | 47.33             | <b>Laying Brick Flat Soling (75mm thick)</b> including grading the base and spreading 25mm thick sand bed at bottom and <b>grouting soling with cement mortar (prop. 1:3)</b> and carrying all materials from a distance of upto 30.00m.  |
| 410.     | Boulder packing with Jingle wire       | M3   | 471.12 | 1        | 47.34             | Boulder packing, including preparation of base, packing interstices with small boulders or small gravel as available to form a homogeneous mass and including wrapping the  |

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|-----------------------------|---------------------------------------|------|-----------|----------|------------------|---|
|                             |                                       |      |           |          |                  | packed boulder mass with jingle wire fence or ideal wire fence of any mesh including, carrying of materials upto a distance of 30.00m   |
| 420.                        | Providing and laying Boulder Pitching | M3   | 588.50    | 1        | 47.35            | <b>Providing and laying Pitching on slopes</b> laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete (including grouting with cement nortar 1:3) as per drawing and Technical specifications                            |
| <b>48 : ASPHALTED ROADS</b> |                                       |      |           |          |                  |   |
| 10.                         | Making furrows 50 mm x 50 mmx25mmdeep | M2   | 6.29      | 1        | 48.1.1           | Making 50 mm x 50 mm furrows, 25mm/ 50mm deep, 450 to the center line of the road and at one metre interval in the existing thin bituminous wearing coarse including sweeping and disposal of excavated material within 1000 metres lead. <b>25mm deep furrow cutting</b> |
| 20.                         | Making furrows 50 mm x 50 mmx50mmdeep | M2   | 12.58     | 1        | 48.1.2           | Making 50 mm x 50 mm furrows, 25mm/ 50mm deep, 450 to the center line of the road and at one metre interval in the existing thin bituminous wearing coarse including sweeping and disposal of excavated material within 1000 metres lead. <b>50mm deep furrow cutting</b> |
| 30.                         | MAINTAINING EXISTING ASPHALTED ROAD   | KMO  | 10,537.13 | 1        | 48.1A            | MAINTAINING EXISTING ASPHALTED ROAD in first class traffic worthy condition throughout the month including all necessary cleaning, drainage of water and cleaning of surface of dry debris etc. As directed by  |

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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | Engineer-in-charge.   |
| 40.      | 75mmthSEMI GROUTED ASPHALTED -RR-Coy    | M2   | 122.31 | 1        | 48.2             | <b>CONSTRUCTION OF SEMI GROUTED ASPHALTED SURFACE</b> including preparing the sub-grade by rolling and filling cavities or by aggregate of size 25mm graded down and dry rolled to proper grade and camber then applying heated bitumen under mechanical pressure, blinding with dry, clean stone chips of size 12mm and re-rolling and finally seal coating with liquid hot bitumen and blinded with a layer of clean, dry coarse sand and rolled finally as per specification Ref. to MoRTH Spec.as per clauses 506 to consolidated thickness of 75mm. (All equipment for heating, mixing, spreading of binder to besupplied by contractor)& <b>(Roller supplied by company).</b> |
| 50.      | REPAIRING ASPHAL ROAD 50 to75mm RR-Coys | M2   | 142.46 | 1        | 48.3             | REPAIRING DAMAGED ASPHALTED ROAD SURFACE by semi-grouting upto consolidated thickness 75/50 mm by 25mm crushed stonewith bituminous binder and compacting surface manually by rammer or by Road roller and finally sand sprayed on repaired surface, including excavating of damaged surface and cleaning of such surfaces to lay new materials as per specification Ref. to MoRTH Spec.as per clauses 506. (All tools and plants to be supplied by contractor and Road roller supplied by Company) <b>Consolidated thickness 50 mm to 75 mm.</b>   |

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|----------|--|------|-------|----------|------------------|--|
| 60.      | Premixwith other mixer on WBM surf RRCoy | M2   | 70.53 | 1        | 48.4             | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably by other mixer until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface( <b>Tack coat will be paid seperately</b> ), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company#s store or yard to the site of work. ( <b>T &amp; P &amp; watch &amp; ward by Contractor &amp; Road roller, Bitumen supplied by company</b> ).Ref. to MoRTH Spec.as per clauses 511.i) <b>Using other mixer of approved type on Water Bound Macadam surface.</b> |



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|----------|---|------|-------|----------|------------------|--|
| 70.      | Premix of other mixer on Bitumisurf-RRCoY | M2   | 54.58 | 1        | 48.5             | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably by other mixer until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface( <b>Tack coat will be paid seperately</b> ), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of work, ( <b>T&amp;P&amp; watch &amp; ward by Contractor &amp; Road roller, Bitumen supplied by company</b> ).i) <u>Using other mixer of approved type on Bituminous surface.</u> |

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|----------|---|------|--------|----------|------------------|---|
| 80.      | Premix other mixer on Bitumisurf-RRCont | M2   | 57.51  | 1        | 48.6             | <b>LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS</b> or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably by other mixer until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface( <b>Tack coat will be paid seperately</b> ), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of work, <b>(T&amp;P&amp; watch &amp; ward &amp; Road Roller by Contractor, Bitumen supplied by company).i)Using other mixer of approved type on Bituminous surface.</b> |
| 90.      | Premix with HMPon WBM surface-RRCoy     | M2   | 116.61 | 1        | 48.7             | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat  |

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|----------|-------------------------------------|------|-------|----------|------------------|---|
|          |                                     |      |       |          |                  | after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer or by other mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing WBM surface( <b>Tack coat will be paid seperately</b> ), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of work, <b>(T&amp;P,watch&amp;ward &amp; hot-mix plant supplied by Contractor.Road roller,Bitumen supplied by company).i) Using hot-mix plant(6 or10 TPH)on <u>Water Bound Macadam surface</u>).</b> |
| 100.     | Premix with HMP on Bitumsurfa-RRCoY | M2   | 99.27 | 1        | 48.7A            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat  |

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| Item No. | Description                             | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 13mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer or by other mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company#s store or yard to the site of work,( <b>T&amp;P,watch&amp;ward &amp;hot-mix plant supplied by Contractor.Road roller,Bitumen supplied by company).i) Using hot-mix plant (6 or 10 TPH) <u>ON Bituminous surface.</u></b> |
| 110.     | Premix with Othermix WBM surface-RRCont | M2   | 73.46 | 1        | 48.7B            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat  |

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|----------|-------------------------|------|------|----------|------------------|---|
|          |                         |      |      |          |                  | after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably by other mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company#s store or yard to the site of work, <b><u>(T&amp; P&amp; Roadroller by Contractor &amp;Bitumen supplied by company).i)Using other mixerofapprovedtype on Water Bound Macadam surface.</u></b> |
| 120.     | Laying seal coat-RR Coy | M2   | 4.33 | 1        | 48.7C            | Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A seal coats. <b><u>(T&amp; P &amp; watch &amp; ward</u></b>   |

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|----------|--|------|------|----------|------------------|---|
|          |  |      |      |          |                  | <b><u>by Contractor,Road roller&amp;Bitumen provided by Company)</u></b>  |
| 130.     | Premix with HMP WBM surface(Tenderjob) | M2   |      | 1        | 48.7D            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer or by other mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of work,(T & P & Road roller, Bitumen VG-10 by Contractor . <b><u>For Tender</u></b> |

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|----------|---------------------------------------|------|------|----------|------------------|--|
|          |                                       |      |      |          |                  | <b>Estimation(RateofBitumen as per APWD rates, 2010).i) Using hot-mix plant (6 or 10 TPH) on Water Bound Macadam surface.(Deleted)</b>   |
| 140.     | Premix withHMP Bitusurface(Tenderjob) | M2   |      | 1        | 48.7E            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company#s store or yard to the site of work, <b>(T &amp; P &amp; Road roller, Bitumen VG-10 by Contractor)For</b> |

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|----------|--------------------------------------|------|--------|----------|------------------|---|
|          |                                      |      |        |          |                  | <b>Tender Estimation( Rate of Bitumen as per APWD rates, 2010) i) Using hot-mix plant (6 or 10 TPH) on Bituminous surface.(Deleted)</b>   |
| 150.     | Premix over WBM surf -RR,HMP by -Coy | M2   | 113.39 | 1        | 48.7F            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of |



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| Item No. | Description                             | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-------|----------|------------------|---|
|          |   |      |       |          |                  | work.(watch & ward by Contractor & Road roller , Bitumen & hot-mix plant supplied by company).i) <u>Using hot-mix plant(6 or 10 TPH) on a) Water Bound Macadam surface.</u>   |
| 160.     | Premix over Bitumen surf- RR,HMP by-Coy | M2   | 97.47 | 1        | 48.7G            | LABOUR FOR PRE-MIX CARPETING OF 20 mm THICK WITH CHIPS or pea-gravels and bitumen over a tack-coat after cleaning the road surface with wire brush, brush broom and fanning with gunny bag etc., heating the bitumen to proper temperature, mixing 12mm and 10mm size chips or pea gravels in the ratio 2:1 by volume, heating the aggregates suitably adding bitumen at 9.50Kg per 10 sq. m or 52Kg per cubic metre of 12mm chips or pea gravels and 5.10Kg per 10 sq. m or 56 Kg per cu. m of 10mm chips or pea gravels preferably in a mechanical mixer of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing bituminous surface(Tack coat will be paid seperately), checking the camber by templates, evening out irregularities and rolling the surface with a roller of 8 to 10 ton capacity, wetting the wheels of the roller to prevent premix from sticking and continuing rolling till the pre-mix is compacted. High and low spots observed are to be corrected by adding or removing pre-mix chippings or pea gravels, excess rolling to be avoided, including carriage of bitumen from company's store or yard to the site of |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-------|----------|------------------|--|
|          |  |      |       |          |                  | work.(watch & ward by Contractor&Road roller, Bitumen & hot-mix plant supplied by company).i)Using hot-mix plant (6 or 10 TPH) on Bituminous surface.  |
| 170.     | Apply primer coat with bitum enemulsion  | M2   | 2.14  | 1        | 48.8             | Applying primercoat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of <b>0.60 kg/sqm using mechanical means.</b>  |
| 180.     | Apply primercoat on GRAN BASE TENDER JOB | M2   | 25.55 | 1        | 48.9             | Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means including supply of <b>bitumen emulsion by Contractor of approved quality.(For TENDER ITEM)</b>               |
| 190.     | Apply tack coat with bitumenemul/ bitume | M2   | 5.17  | 1        | 48.10            | Applying tack coat with bitumen emulsion/bitumen at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned.   |
| 200.     | Apply tack coat ( FORTENDERJOB)          | M2   | 12.26 | 1        | 48.11            | Providing and applying tack coat with bitumen emulsion/bitumen using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom including supply of <b>bitumen emulsion/bitumen by Contractor of approved quality.(For TENDER ITEM).</b> |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 210.     | Laying seal coat-RR Contractor          | M2   | 4.78   | 1        | 48.12             | Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A seal coats. <b>(Road roller provided by Contractor).</b>   |
| 220.     | Laying seal coat-BitumenCont(TenderJob) | M2   | 48.99  | 1        | 48.13             | Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A seal coats including <b>supply of bitumen &amp; Road roller by Contractor</b> of approved quality as per specificationRef.toMoRTH Spec.as per clauses 513. <b>(For TENDER ITEM).Excluding supply of Quarry Materials.</b>    |
| 230.     | Lay premix sandseal coat withHMP-RRCo   | M2   | 6.68   | 1        | 48.14             | Providing and laying of premix sand seal coat with HMP of appropriate capacity not less than 75 tonnes/ hours using crushed stone chipping 6.7 mm size and penetration bitumen of suitable grade.Case-II :TypeB <b>(Bitumen &amp; Roller by Company)</b>  |
| 240.     | Bituminous Cold Mix-RR Cont             | M3   | 320.33 | 1        | 48.15             | <b>Bituminous Cold Mix:-</b> Providing, laying and rolling of bituminous cold mix on prepared base consisting of a mixture of unheated mineral aggregate and emulsified or cutback bitumen, including mixing in a plant of suitable type and capacity,transporting,laying,compacting and finishing to specified grades and levels. <b>(Road roller by contractor)</b> |

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|----------|--|------|----------|----------|------------------|---|
| 250.     | Recipe Cold MixPlant-RRCoY               | M3   | 311.71   | 1        | 48.16            | Providing and laying of premix of crushed stone aggregates and emulsion binder, mixed in a batch type cold mixing plant, laid over prepared surface, by paver finisher, rolled with a pneumatic tyred roller initially and finished with a smooth steel wheel roller, all as per clause 519.3 <b>(Roadroller by Company)</b>  |
| 260.     | Bitumin macadam with hotmix plant-RRCont | M3   | 1,103.71 | 1        | 48.17            | Providing and laying Bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction. <b>(Road roller by contractor&amp;bitumentobe provided by Company)</b> |
| 270.     | Bitumin macadam with hot mix plant-RRCoY | M3   |          | 1        | 48.17A           | Providing and laying bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction. <b>(Road roller &amp; bitumen to be provided by Company) (Deleted)</b> |

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| Item No. | Description                        | Unit | Rate | Per Unit | Schudle Line No. | Detail Description   |
|----------|------------------------------------|------|------|----------|------------------|--|
| 280.     | Bitumin macadam-RRCont(TenderJob)  | M3   |      | 1        | 48.18            | Providing and laying bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction.(all materials including bitumen to be supplied by contractor):Cost of aggregates will be paid seperately.:Forgrading I(25 mm nominal size): <b>ForTENDER Jobs(T&amp;P &amp;watch &amp; ward &amp; Road Roller provided by Contractor).</b><br>(Deleted)   |
| 290.     | SDBC-RRContractor -Bitumen Company | M3   |      | 1        | 48.19            | Semi-Dense Bituminous Concrete: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rollingwith smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as perMoRTH specification clause No.508 complete in all respects. <b>(Road roller to be provided by Contractor).</b> Measurementof aggregates will be paid seperately. <b>Bitumen will be provided by Company.</b> (Deleted) |

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|----------|--|------|------|----------|------------------|--|
|          |  |      |      |          |                  |  |
| 300.     | SDBCwithHMP-RRCont<br>(forTenderJob)       | M3   |      | 1        | 48.20            | <b>SDBC With contractor supply Bitumen for TENDER JOBS:</b> Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects. <b>(Road roller to be provided by Contractor)</b><br>Measurement of aggregates will be paid seperately.(Deleted) |
| 310.     | SDBCwithHMP-RRCont<br>(TenderJobComp item) | M3   |      | 1        | 48.21            | <b>Semi-Dense Bituminous Concrete</b> (Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5% of mix and filler transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the reqd. grade, lavel and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the  |

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| Item No. | Description                                 | Unit | Rate | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|------|----------|------------------|---|
|          |   |      |      |          |                  | desired compaction as per MoSRT&H cl. no.508. complete in all respect.( including carriage up to initial lead of 5.0 km from quarry and carriage of mixed materials up to 10.0 Km initial lead from mixing plant )( Including cost of testing of materials at site and laboratory as directed by the deptt.) <b>ForTENDER Estimation : Composite item, all inclusive: Aggregates &amp; Bitumen) 'With rockdustas filler ( refer table 500-9 of MoSRT&amp;H specification): (a) 'with 60/70 or VG-30 grade bitumen:for Grading I(13 mm nominal size )(Deleted)</b>   |
| 320.     | SDBCwithHMP-RRCont<br>(Tender.JobComp item) | M3   |      | 1        | 48.22            | Semi -Dense Bituminous Concrete (Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5% of mix and filler transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the reqd. grade, lavel and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MoSRT&H cl. no.508. complete in all respect. ( including carriage up to initial lead of 5.0 km from quarry and carriage of mixed materials up to 10.0 Km initial lead from mixing plant )( Including cost of testing of materials at site and laboratory as directed by the deptt.) <b>For TENDER Estimation : Composite item, all inclusive: Aggregates &amp; Bitumen)</b> |

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|----------|--|------|------|----------|-------------------|--|
|          |  |      |      |          |                   | <b>'With rockdustas filler ( refer table 500-9 of MoSRT&amp;H specification): (a) 'with 60/70 or VG-30 grade bitumen: for GradingII(10 mm nominal size)(Deleted)</b>   |
| 330.     | SDBCwithHMP-RRCont (Tender JobComp item) | M3   |      | 1        | 48.23             | Semi - Dense Bituminous Concrete (Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5% of mix and filler transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the reqd. grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MoSRT&H cl. no.508. complete in all respect.( including carriage up to initial lead of 5.0 km from quarry and carriage of mixed materials up to 10.0 Km initial lead from mixing plant )( Including cost of testing of materials at site and laboratory as directed by the deptt.) <b>For TENDER Estimation : Composite item, all inclusive: Aggregates &amp; Bitumen) 'With rockdustas filler ( refer table 500-9 of MoSRT&amp;H specification) : 'with CRMB 55: for Grading I ( 13 mm nominal size )(Deleted)</b> |
|          |  |      |      |          |                   |  |



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|---|---|------|----------|----------|-------------------|---|
| 340.  | SDBCwithHMP-RRCont                          | M3   | 921.24   | 1        | 48.24             | Semi-Dense Bituminous Concrete (Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5% of mix and filler transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the reqd. grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoSRT&H cl. no.508. complete in all respect.( including carriage up to initial lead of 5.0 km from quarry and carriage of mixed materials up to 10.0 Km initial lead from mixing plant )( Including cost of testing of materials at site and laboratory as directed by the deptt.) ( refer table 500-9 of MoSRT&H specification): (a) 'with 60/70 or VG-30 grade bitumen:for Grading I(13 mm nominal size ): Bitumen supplied by company, and all other T&P , Machinaries and watch & ward provided by Contractor. Cost of aggregates to be paid seperately. |
| <b>49 : BAILEY BRIDGES &amp; HUME PIPE CULVERTS</b> |   |      |          |          |                   |   |
| 10.   | ERECTINGBAILEYBRIDGE-Single<br>-Single type | M    | 6,397.18 | 1        | 49.1              | ERECTING STANDARD WIDTH (3.277m)BAILEY BRIDGE, timber/steel decked with 2 Transoms/4Transoms as directed by the Engineer, complete with RAMPS / without Ramps in length of 3.048m or 6.096m as required according to contour of approach road on either ends, including transportation (to  |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | and fro) within 8Km distance from company's stores or related allied bridge materials including launching equipment and tools for launching of bridge and including making necessary foundations by earth cutting and laying timber beams, base plates, bearing etc. as directed by engineer including fixing of timber decking (chesses) wheel track, wheel guard (Riband / steel decking and placing of END posts, (male / female) which are to be provided for connecting to the female / male lugs at the end of the panels of each truss of the bridge for distributing the shear forces due to the end reaction of the bridge and including levelling and proper compaction of the backspace as required for launching of the bridge and anchoring both ends of the bridge by using steel chain for the below mentioned types.i) <b>Single-Single type</b> |
| 20.      | ERECTINGBAILEYBRIDGE-Double<br>-Single type | M    | 6,811.75 | 1        | 49.2              | ERECTING STANDARD WIDTH (3.277m) BAILEY BRIDGE, timber / steel decked with 2 Transoms / 4 Transoms as directed by the Engineer, complete with RAMPS / without Ramps in length of 3.048m or 6.096m as required according to contour of approach road on either ends, including transportation (to and fro) within 8Km distance from company's stores or related allied bridge materials including launching equipment and tools for launching of bridge and including making necessary foundations by earth cutting and laying timber beams, base plates, bearing etc. as directed by engineer including fixing of timber decking (chesses) wheel track, wheel  |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | guard (Riband / steel decking and placing of END posts, (male / female) which are to be provided for connecting to the female / male lugs at the end of the panels of each truss of the bridge for distributing the shear forces due to the end reaction of the bridge and including levelling and proper compaction of the backspace as required for launching of the bridge and anchoring both ends of the bridge by using steel chain for the below mentioned types.i) <b>Double-Single type</b>   |
| 30.      | ERECTINGBAILEYBRIDGE-Triple-Single type | M    | 8,452.42 | 1        | 49.3             | ERECTING STANDARD WIDTH (3.277m) BAILEY BRIDGE, timber / steel decked with 2 Transoms / 4 Transoms as directed by the Engineer, complete with RAMPS / without Ramps in length of 3.048m or 6.096m as required according to contour of approach road on either ends, including transportation (to and fro) within 8Km distance from company's stores or related allied bridge materials including launching equipment and tools for launching of bridge and including making necessary foundations by earth cutting and laying timber beams, base plates, bearing etc. as directed by engineer including fixing of timber decking (chesses) wheel track, wheel guard (Riband / steel decking and placing of END posts, (male / female) which are to be provided for connecting to the female / male lugs at the end of the panels of each truss of the bridge for distributing the shear forces due to the end reaction of the bridge and including levelling and proper compaction of the backspace as required for |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | launching of the bridge and anchoring both ends of the bridge by using steel chain for the below mentioned types.i) <b>Triple-Single type</b>   |
| 40.      | ERECTINGBAILEYBRIDGE-Double-Double type | M    | 9,417.15 | 1        | 49.4             | ERECTING STANDARD WIDTH (3.277m) BAILEY BRIDGE, timber / steel decked with 2 Transoms / 4 Transoms as directed by the Engineer, complete with RAMPS / without Ramps in length of 3.048m or 6.096m as required according to contour of approach road on either ends, including transportation (to and fro) within 8Km distance from company#s stores or related allied bridge materials including launching equipment and tools for launching of bridge and including making necessary foundations by earth cutting and laying timber beams, base plates, bearing etc. as directed by engineer including fixing of timber decking (chesses) wheel track, wheel guard (Riband / steel decking and placing of END posts, (male / female) which are to be provided for connecting to the female / male lugs at the end of the panels of each truss of the bridge for distributing the shear forces due to the end reaction of the bridge and including levelling and proper compaction of the backspace as required for launching of the bridge and anchoring both ends of the bridge by using steel chain for the below mentioned types. <b>Double/Double type Bailey Bridge</b> |
| 50.      | DISMANT                                 | M    | 6,754.72 | 1        | 49.5             | DISMANTLING BAILEY BRIDGE including transport both  |

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|----------|---|------|----------|----------|------------------|--|
|          | BAILEYBRIDGE-SingleSingle type            |      |          |          |                  | ways of all steel parts, for de-launching bridge within 8Km. to and from company#s store and staking all materials within 50m. length, all including dismantling of decking, foundation beams and chord reinforcement where it exists etc. for the types below: <b>Single/ Single type</b>   |
| 60.      | DISMANT<br>BAILEYBRIDGE-DoubleSingle type | M    | 5,910.38 | 1        | 49.6             | DISMANTLING BAILEY BRIDGE including transport both ways of all steel parts, for de-launching bridge within 8Km. to and from company#s store and staking all materials within 50m. length, all including dismantling of decking, foundation beams and chord reinforcement where it exists etc. for the types below: <b>Double/ Single type</b>    |
| 70.      | DISMANT<br>BAILEYBRIDGE-TripleSingle type | M    | 5,066.04 | 1        | 49.7             | DISMANTLING BAILEY BRIDGE including transport both ways of all steel parts, for de-launching bridge within 8Km. to and from company#s store and staking all materials within 50m. length, all including dismantling of decking, foundation beams and chord reinforcement where it exists etc. for the types below: <b>Triple/ Single type .</b>  |
| 80.      | DISMANTBAILEY<br>BRIDGE-DoubleDouble type | M    | 4,896.40 | 1        | 49.8             | DISMANTLING BAILEY BRIDGE including transport both ways of all steel parts, for de-launching bridge within 8Km. to and from company#s store and staking all materials within 50m. length, all including dismantling of decking, foundation beams and chord reinforcement where it exists etc. for the types below: <b>Double / Double type .</b> |

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|----------|-----------------------------------|------|----------|----------|-------------------|--|
| 90.      | Fixing Steel Chesses Decking      | M    | 6,952.44 | 1        | 49.9              | Fixing Steel Chesses Decking on Bailey bridges including transportation / loading / unloading at site within 8Km.  |
| 100.     | Dismantling Steel Chesses Decking | M    | 5,383.63 | 1        | 49.10             | Dismantling Steel Chesses Decking on Bailey bridges including transportation / loading / unloading at site within 8Km.   |
| 110.     | HIRE CHARGE FOR BOATS3to4tone     | EPD  | 7,454.51 | 1        | 49.11             | HIRE CHARGE FOR BOATS to be supplied at worksite, inclusive of monopoly / royalty charges payable to the local ferry contractor, if needed, for types of boats as below :-a) Big country machine boat with capacity to carry 3-4 tonnes with two boatmen.                |
| 120.     | HIRE CHARGE FOR BOATS8-10 men.    | EPD  | 3,727.25 | 1        | 49.12             | HIRE CHARGE FOR BOATS to be supplied at worksite, inclusive of monopoly / royalty charges payable to the local ferry contractor, if needed, for types of boats as below :-Small country boat with one boatman and capable of carrying 8-10 men.                          |
| 130.     | Cleaning Culvert450mmto2mdia.     | ECV  | 591.25   | 1        | 49.13             | Cleaning Waterways or Culvert, including removing silt and mud or obstruction of any kind or vegetation growth for the entire bed of culvert and also for distance of 20.00m upstream and 20.00m downstream of channel for all sizes of culvert from 450mm to 2.00m dia. |
| 140.     | Cleaning Culvertupto3mspan        | ECV  | 739.06   | 1        | 49.14             | Cleaning Waterways or Culvert, including removing silt   |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | and mud or obstruction of any kind or vegetation growth for the entire bed of culvert and also for distance of 20.00m upstream and 20.00m downstream of channel for all sizes of culvert of masonry and timber culvert upto 3.00m span.   |
| 150.     | Assembl Culvert 0.60m culvert-manually | M    | 1,399.21 | 1        | 49.15             | Labour for Assembling and placing Hume pipe (R.C.C.) Culverts <b>manually</b> in line with proper grading, levelling, jointing with collar, if necessary, including earth cutting, back filling upto a limiting depth of 1.00m and ramming filled up earth in layers of 150mm and filling-up the joints with cement mortar (prop. 1cement:3 sand) <b>for 0.60m dia.culvert</b> , including de-watering and temporary diversion of stream and blocking of water flow where applicable and handling, lifting of R.C.C. Hume pipes and collars from a distance of at least 30.00m from work place, including <b>transporting the R.C.C. Hume pipes / collars upto 8Km.</b> (Necessary finishing works like gravelling, pre-mixing / Bituminous works etc. to be carried out separately). |
| 160.     | Assembl Culvert 0.90m culvert-manually | M    | 1,787.04 | 1        | 49.16             | Labour for Assembling and placing Hume pipe (R.C.C.) Culverts in line Manually with proper grading, levelling, jointing with collar, if necessary, including earth cutting, back filling upto a limiting depth of 1.00m and ramming filled up earth in layers of 150mm and filling-up the joints with cement mortar (prop. 1 cement : 3 sand) <b>for 0.90m</b>  |

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|          |   |      |          |          |                   | <b>dia. culvert</b> , including de-watering and temporary diversion of stream and blocking of water flow where applicable and handling, lifting of R.C.C. Hume pipes and collars from a distance of at least 30.00m from work place, including transporting the R.C.C. Hume pipes / collars upto 8Km. (Necessary finishing works like gravelling, pre-mixing / Bituminous works etc. to be carried out separately). <b>(Manually)</b>   |
| 170.     | Assembl Culvert 0.90mdia culvert-Crane  | M    | 1,986.28 | 1        | 49.17             | Labour for Assembling and placing Hume pipe (R.C.C.) Culverts in line With Crane with proper grading, levelling, jointing with collar, if necessary, including earth cutting, back filling upto a limiting depth of 1.00m and ramming filled up earth in layers of 150mm and filling-up the joints with cement mortar (prop. 1 cement : 3 sand) <b>for 0.90m dia. culvert</b> , including de-watering and temporary diversion of stream and blocking of water flow where applicable and handling, lifting of R.C.C. Hume pipes and collars from a distance of at least 30.00m from work place, including transporting the R.C.C. Hume pipes / collars upto 8Km. (Necessary finishing works like gravelling, pre-mixing / Bituminous works etc. to be carried out separately)- <b>With Crane</b> |
| 180.     | Assembl Culvert 1.2to1.8m culvert-Crane | M    | 2,374.11 | 1        | 49.18             | Labour for Assembling and placing Hume pipe (R.C.C.) Culverts in line with proper grading, levelling, jointing with collar, if necessary, including earth cutting, back filling   |



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|          |                                  |      |           |          |                   | upto a limiting depth of 1.00m and ramming filled up earth in layers of 150mm and filling-up the joints with cement mortar (prop. 1 cement : 3 sand) <b>for 1.20m to 1.80m dia. culvert</b> , including de-watering and temporary diversion of stream and blocking of water flow where applicable and handling, lifting of R.C.C. Hume pipes and collars from a distance of at least 30.00m from work place, including transporting the R.C.C. Hume pipes / collars upto 8Km. (Necessary finishing works like gravelling, pre-mixing / Bituminous works etc. to be carried out separately)- <b><u>By Crane.</u></b> |
| 190.     | S&L RCC pipe NP3 1800 mm Culvert | M    | 16,090.00 | 1        | 49.19             | Supplying & Laying Reinforced cement concrete pipe NP3 1800mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .  |
| 200.     | S&L RCC pipe NP3 1200 mm Culvert | M    | 10,206.00 | 1        | 49.20             | Supplying & Laying Reinforced cement concrete pipe NP3 1200 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .   |
| 210.     | S&L RCC pipe NP3 1000 mm Culvert | M    | 8,686.16  | 1        | 49.21             | Supplying & Laying Reinforced cement concrete pipe NP3 1000 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row   |

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|----------|---------------------------------|------|----------|----------|------------------|--|
|          |                                 |      |          |          |                  | including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .  |
| 220.     | S&L RCC pipe NP3 900 mm Culvert | M    | 7,381.00 | 1        | 49.22            | Supplying & Laying Reinforced cement concrete pipe NP3 900 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |
| 230.     | S&L RCC pipe NP3 750 mm Culvert | M    | 3,169.00 | 1        | 49.23            | Supplying & Laying Reinforced cement concrete pipe NP3 750 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |
| 240.     | S&L RCC pipe NP3 600 mm Culvert | M    | 2,731.00 | 1        | 49.24            | Supplying & Laying Reinforced cement concrete pipe NP3 600 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |
| 250.     | S&L RCC pipe NP3 300 mm Culvert | M    | 2,276.00 | 1        | 49.25            | Supplying & Laying Reinforced cement concrete pipe NP3 300 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |

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|----------|--|------|-----------|----------|-------------------|---|
| 260.     | S&L RCC pipe NP3 1000 mm Culvert (D/R)     | M    | 17,372.00 | 1        | 49.26             | Supplying & Laying Reinforced cement concrete pipe NP3 1000 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |
| 270.     | S&L RCC pipe NP3 1200 mm Culvert (D/R)     | M    | 20,455.00 | 1        | 49.27             | Supplying & Laying Reinforced cement concrete pipe NP3 1200 mm dia (prestressed concrete pipe) for culverts on first class bedding of granular material in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . |
| 280.     | Handling RCC Slab -manually                | M3   | 1,314.33  | 1        | 49.28             | Handling of precast RCC Slab with care <b>by manual means</b> including a lead of upto 30m  |
| 290.     | Handling Rubber mats-manually              | M2   | 60.83     | 1        | 49.29             | Handling & placement of standard size rubber mats placement with care <b>by manual means</b> including a lead of upto 30m for facilitating heavy vehicle, as per instruction of engineer.   |
| 300.     | Cleaning waterway of bridge of 10m length. | EB   | 1,928.51  | 1        | 49.30             | Cleaning waterways of bridges including removing of debris, obstruction, vegetation growth and silt or earth heaps formed at bed of stream under the bridge and also cleaning upstream and downstream of the river for a distance of 10.00m on either side as directed <b>for bridges upto 10.00m length.</b>                         |

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|----------|--|------|----------|----------|-------------------|--|
| 310.     | Cleaning waterways of bridge of 10-20m length        | EB   | 2,892.76 | 1        | 49.31             | Cleaning waterways of bridges including removing of debris, obstruction, vegetation growth and silt or earth heaps formed at bed of stream under the bridge and also cleaning upstream and downstream of the river for a distance of 10.00m on either side as directed for <b>bridges in excess of 10.00m and upto 20.00m in length.</b> |
| 320.     | Cleaning waterways of bridge of 20-30m length        | EB   | 3,857.02 | 1        | 49.32             | Cleaning waterways of bridges including removing of debris, obstruction, vegetation growth and silt or earth heaps formed at bed of stream under the bridge and also cleaning upstream and downstream of the river for a distance of 10.00m on either side as directed for <b>bridges in excess of 20.00m and upto 30.00m in length.</b> |
| 330.     | U/d timber work in Bridges, New (<1dm <sup>2</sup> ) | DM3  | 3.83     | 1        | 49.33             | U/d timber work in Bridges, New (<1dm <sup>2</sup> )   |
| 340.     | U/d timber work in Bridges, New (>1dm <sup>2</sup> ) | DM3  | 3.86     | 1        | 49.34             | U/d timber work in Bridges, New (>1dm <sup>2</sup> )   |
| 350.     | Dismantling timber work bridges, culverts            | DM3  | 2.21     | 1        | 49.35             | Dismantling timber work of any section, from bridges, culverts, etc., including stacking the dismantled materials as directed within 30.00m from the bridge end.   |
| 360.     | Driving pipe piles 100-150mm (Welding-COY)           | M    | 461.25   | 1        | 49.36             | <b>Driving pipe piles-100-150mm(Wld-COY):</b> Driving vertically pipe piles of different dia as specified with the help of tugger hoist and piling rig or locally made pile drive gear, including providing services for all handling and  |

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|          |  |      |        |          |                   | shifting of the rig, making pile shoe, if required, marking length, jointing and cutting as necessary including supply of all necessary equipments. Pipe pile dia 100 to 150mm but <b>welding, cutting set provided by the COMPANY.</b>   |
| 370.     | Driving pipe piles 100-150mm(Welding-CONT) | M    | 494.43 | 1        | 49.36A            | <b>Driving pipe piles-100-150mm(Wld-Cont):</b> Driving vertically pipe piles of different dia as specified with the help of tugger hoist and piling rig or locally made pile drive gear, including providing services for all handling and shifting of the rig, making pile shoe, if required, marking length, jointing and cutting as necessary including supply of all necessary equipments. Pipe pile dia 100 to 150mm but <b>welding, cutting set provided by the contractor.</b>       |
| 380.     | Driving pipe piles 150-200mm(Welding-CONT) | M    | 752.84 | 1        | 49.37             | <b>Driving pipe piles-150-200mm(Wld-Cont):</b> Driving vertically pipe piles of different dia as specified with the help of tugger hoist and piling rig or locally made pile drive gear, including providing services for all handling and shifting of the rig, making pile shoe, if required, marking length, jointing and cutting as necessary including supply of all necessary equipments. Pipe pile dia above 150 to 200mm but <b>welding, cutting set provided by the contractor.</b> |
| 390.     | Driving pipe piles 200-250mm(Welding-CONT) | M    | 838.98 | 1        | 49.38             | <b>Driving pipe piles-200-250mm(Wld-Cont):</b> Driving vertically pipe piles of different dia as specified with the help of tugger hoist and piling rig or locally made pile drive  |

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|----------|------------------------------|------|--------|----------|------------------|---|
|          |                              |      |        |          |                  | gear, including providing services for all handling and shifting of the rig, making pile shoe, if required, marking length, jointing and cutting as necessary including supply of all necessary equipments. Pipe pile dia above 200 to 250mm but, in river or water logged areas including supply of pontoon etc. <b>complete and cutting, welding set provided by the contractor.</b>  |
| 400.     | Driving timberpiles150-200mm | M    | 654.01 | 1        | 49.39            | <b>Driving timber piles-150-200mm square:</b> Driving vertically timber piles of sizes as specified including all handling, lifting, carrying, stacking at work site, making pile shoe and cap, marking pile length in metres for measuring penetration, jointing by bolting, hoisting and driving with locally made piling set arranged by contractor, engaging manual labour and cutting off the surplus exposed length as directed after driving. <b>Pile size above 150mm square to 200mm square.</b>                           |
| 410.     | Driving timberpiles200-250mm | M    | 707.73 | 1        | 49.40            | <b>Driving timber piles-200-250mm square:</b> Driving vertically timber bridge piles of 'Nahar' or similar approved variety including handling, lifting, carrying, stacking at the work site and making and pinning necessary pile shoe and Cap, marking pile length in metres for measuring penetration, jointing by bolting, hoisting and driving with locally made pile driving gear by manual labour / crab-winch arranged by contractor and cutting off the surplus exposed length as directed after driving. <b>Pile size</b> |

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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | <b>from 200mm to 250mm diameter.</b>  |
| 420.     | Driving timber piles 250-300mm              | M    | 805.05 | 1        | 49.41             | <b>Driving timber piles-250-300mm square:</b> Driving vertically timber bridge piles of 'Nahar' or similar approved variety including handling, lifting, carrying, stacking at the work site and making and pinning necessary pile shoe and Cap, marking pile length in metres for measuring penetration, jointing by bolting, hoisting and driving with locally made pile driving gear by manual labour / crab-winch arranged by contractor and cutting off the surplus exposed length as directed after driving. <b>Pile size above 250mm to 300mm diameter.</b>  |
| 430.     | Driving timber piles 200-250mm with Pontoon | M    | 737.93 | 1        | 49.42             | <b>Driving timber piles-200-250mm sq(River):</b> Driving vertically timber bridge piles of 'Nahar' or similar approved variety including handling, lifting, carrying, stacking at the work site and making and pinning necessary pile shoe and Cap, marking pile length in metres for measuring penetration, jointing by bolting, hoisting and driving with locally made pile driving gear by manual labour / crab-winch arranged by contractor and cutting off the surplus exposed length as directed after driving. <b>Pile size above 250mm to 300mm diameter but in river or water logged area including supply of Pontoon etc.</b> |
| 440.     | Driving Nahar piles 250-300mm with Pontoon  | M    | 835.24 | 1        | 49.43             | <b>Driving vertically timber bridge piles of 'Nahar' or similar</b> approved variety including handling, lifting,   |

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|----------|--------------------------------------|------|----------|----------|------------------|--|
|          |                                      |      |          |          |                  | carrying, stacking at the work site and making and pinning necessary pile shoe and Cap, marking pile length in metres for measuring penetration, jointing by bolting, hoisting and driving with locally made pile driving gear by manual labour / crab-winch arranged by contractor and cutting off the surplus exposed length as directed after driving.but in river or water logged areas including supply of Pontoon etc. <b>Pile size above 250mm to 300mm diameter.</b> |
| 450.     | JointingNaharTimber Piles(200-250mm) | JT   | 2,610.72 | 1        | 49.44            | <b>JointingTimber Piles(200-250mm):</b> Jointing of Nahor Piles including cutting in correct shape, making holes, cutting / fixing M.S. fish plates / angle iron including dragging, lifting / erecting in correct position on the existing pile heads and all other contingencies. <b>Size of poles - 200mm to 250mm diameter.</b>  |
| 460.     | JointingNaharTimber Piles(250-300mm) | JT   | 2,912.20 | 1        | 49.45            | <b>JointingTimber Piles(250-300mm):</b> Jointing of Nahor Piles including cutting in correct shape, making holes, cutting / fixing M.S. fish plates / angle iron including dragging, lifting / erecting in correct position on the existing pile heads and all other contingencies. <b>Sizeofpoles-above 250mm to 300mm diameter.</b>  |
| 470.     | Cutting bitumen drums manualy        | DR   | 208.22   | 1        | 49.46            | Cutting both ends of bitumen drums by manual labour for making culvert as directed and placing in position as road culverts, including necessary earth cutting upto a limiting   |



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|----------|---|------|-----------|----------|------------------|--|
|          |   |      |           |          |                  | depth of 1.00m and back filled by earth over the drums in layers of 150mm and lightly ramming, including transporting the empty drums from company's store to site of work. (Necessary gravelling if required on filled up surface will be considered extra).  |
| 480.     | ErectingFabricatedHeavySteelWork-Boltd  | TO   | 9,878.22  | 1        | 49.47            | <b>Erecting Fabricated Heavy Steel Work-Boltd:</b> Erecting Fabricated Heavy Steel Work For Bridges and Culverts (R.S.J. channel, angles etc. - weight exceeding 15Kg per metre of length) with bolted connections, including levelling, drilling holes for bolts, cutting etc. and carrying the fabricated steel from a distance upto 30.00m away to the site of work |
| 490.     | ErectingFabricatedLightSteelWork-Boltd  | TO   | 11,431.08 | 1        | 49.48            | <b>Erecting Fabricated Light Steel Work-Boltd:</b> Erecting Fabricated Light Steel Work For Bridges and Culverts(R.S.J.channel,angles etc.-weight not exceeding 15Kg per metreoflength) with bolted connections, including levelling, drilling holes for bolts, cutting etc. and carrying the fabricated steel from a distance upto 30.00m away to the site of work    |
| 500.     | ErectingFabricatedHSteel Work-Weld(Coy) | TO   | 6,467.44  | 1        | 49.49            | <b>Erecting Fabricated H/Steel Work-Weld(Coy):</b> Erecting Fabricated Heavy Steel Work For Bridges and Culverts (R.S.J. channel, angles etc. - weight exceeding 15Kg per metre of length) with welded connections, including levelling, drilling holes for bolts, cutting etc. and carrying   |

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|          |   |      |          |          |                  | the fabricated steel from a distance upto 30.00m away to the site of work, ( <b>welding and cutting sets shall be supplied by the company free of charge</b> ).  |
| 510.     | ErectingFabricatedHSteelWork-Weld(Cont) | TO   | 7,628.94 | 1        | 49.50            | Erecting Fabricated H/Steel Work-Weld(Cont): Erecting Fabricated Heavy Steel Work For Bridges and Culverts (R.S.J. channel, angles etc. - weight exceeding 15Kg per metre of length) with welded connections, including levelling, drilling holes for bolts, cutting etc. and carrying the fabricated steel from a distance upto 30.00m away to the site of work,but Services & providing of Welding and cutting sets, including operator and fuel costs provided by contractor. |
| 520.     | ErectingFabricatedLSteel Work-Weld(Coy) | TO   | 8,163.86 | 1        | 49.51            | Erecting Fabricated L/Steel Work-Weld(Company): Erecting Fabricated Light Steel Work For Bridges and Culverts (R.S.J. channel, angles etc. - weight not exceeding 15Kg per metre of length) with welded connections, including levelling, drilling holes for bolts, cutting etc. and carrying the fabricated steel from a distance upto 30.00m away to the site of work.(welding, cutting sets <b>including operator and fuel costs provided by company</b> ).                   |
| 530.     | ErectingFabricatedLSteelWork-Weld(Cont) | TO   | 9,325.36 | 1        | 49.52            | Erecting Fabricated L/Steel Work-(Welding m/c-Contractor): Erecting Fabricated Light Steel Work For Bridges and Culverts (R.S.J. channel, angles etc. - weight   |

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|                          |   |      |          |          |                   | not exceeding 15Kg per metre of length) with welded connections, including levelling, drilling holes for bolts, cutting etc. and carrying the fabricated steel from a distance upto 30.00m away to the site of work.but <b>welding, cutting sets and operator, fuel supplied by Contractor</b>   |
| 540.                     | Placing plain pre-cast R.C.C. DECK SLAB | M3   | 1,176.45 | 1        | 49.53             | Placing plain pre-cast R.C.C. DECK SLAB :PROVIDE SERVICES for placing plain pre-cast R.C.C. DECK SLAB (With plain soffit) for bridges including lifting the slab from a distance of 30.00m away from the work site and placing as bridge deck with proper levelling with the help of Crane / Ginpole (supplied by the contractor) including supply of necessary man power. |
| 550.                     | Erecting Standard Steel Ramp            | PAA  | 4,209.94 | 1        | 49.54             | Erecting Standard Steel Ramp: Erecting Standard Steel Ramp only for existing Bailey Bridge including transport of ramp from company's store within 8 Km including necessary foundations as required and directed.  |
| 560.                     | Dismantling Standard Steel Ramp         | PAA  | 3,606.98 | 1        | 49.55             | Dismantling Standard Steel Ramp only for Bailey bridge including transport of all materials back to company's stock site or any other site within 8Km and including repairing the site as directed.  |
| <b>50 : HORTICULTURE</b> |   |      |          |          |                   |  |
| 10.                      | Making lawns                            | M2   | 41.39    | 1        | 50.1              | Making lawns including ploughing and breaking of clod,   |

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|----------|-------------------------------------|------|-----------|----------|------------------|---|
|          |                                     |      |           |          |                  | removal of rubbish, dressing and supplying doobs grass roots and planting at 15 cm apart,including supplying and spreading of farm yard manure at rate of 0.18 cum per 100 sqm)   |
| 20.      | Turfing lawns with fine grassing    | M2   | 49.00     | 1        | 50.2             | Turfing lawns with fine grassing including ploughing, dressing including breaking of clods, removal of rubbish, dressing and supplying doobs grass roots at 10 cm apart, including supplying and spreading of farm yard manure at rate of0.6 cum per 100 sqm)                     |
| 30.      | Planting permanent hedges           | M    | 178.00    | 1        | 50.3             | Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 metres and supplying and planting hedge plants at 30 cm apart.                             |
| 40.      | Planting Flowering Plants           | KM   | 33,645.00 | 1        | 50.4             | Planting Flowering Plants and Shrubs in Central Verge   |
| 50.      | Planting of trees by the road side  | EA   | 1,340.00  | 1        | 50.5             | Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge mannure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year. |
| 60.      | MakingTreeguard Gate frame-All Cont | QTL  | 7,901.00  | 1        | 50.6             | Wrought iron and mild steel welded work using angles, square bars, tees and channel grills, grating frames,   |

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|----------|--|------|-----------|----------|------------------|---|
|          |  |      |           |          |                  | gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately.   |
| 70.      | MakingTreeguard 60cm X2m ht All Cont     | ET   | 1,830.00  | 1        | 50.7             | Providing and fixing MS iron tree guard 60 cm dia and 2 metre high above ground level formed of 4 Nos (25 x 6 mm) and 8 Nos (25 x 3 mm) vertical MS riveted to 3 Nos (25 x 6 mm) iron rings in two halves, bolted together with 8 mm dia and 30 mm long bolts including painting two coats with paint of approved brand over a coat of priming, complete in all respects. |
| 80.      | MakingTreeguard 60cmX2m ht All Cont      | ET   | 2,267.00  | 1        | 50.8             | Providing and fixing tree guard 0.60 metre square, 2.00 metre high fabricated with MS angle iron 30 x 30 x 3 mm, MS iron 25 x 3 mm and steel wire 3 mm dia welded and fabricated as per design in two halves bolted together.(including all materials to be provided by contractor)   |
| 90.      | Planting trees as compensatory afforesta | HA   | 98,166.00 | 1        | 50.9             | Planting trees as compensatory afforestation at the rate of 290 trees per hectare at a spacing of 6 m by grubbing and leveling the ground upto a depth of 150 mm, digging holes 0.9 m dia, 1 m deep, mixing farm yard/sludge manure with soil, planting of sapling 2 m high with 25 cm dia stem, backfilling the hole and watering.                                       |

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|--|---|------|----------|----------|-------------------|---|
| <b>51 : TRAFFIC SIGNS, MARKINGS &amp; OTHER ROAD APP</b> |   |      |          |          |                   |   |
| 10.  | Printing new letterHindi/ Assamese          | PLC  | 1.57     | 1        | 51.1.1            | Printing new letter and figures of any shade (Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade) <b>Hindi andAssamese(Matras commas and the like not to be measured and paid for Half letter shall be counted as half)</b><br>( Note: PAINT TO BE SUPPLIED BY THE CONTRACTOR. Measurment shall be per letter per cm height)   |
| 20.  | Printing new letter-English/ Roman          | PLC  | 0.95     | 1        | 51.1.2            | Printing new letter and figures of any shade (Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade)<br><b>English and Roman.</b><br>(Note: PAINT TO BE SUPPLIED BY THE CONTRACTOR. Measurment shall be per letter per cm height)   |
| 30.  | RetroTraffic signs90cm equilateral triangle | EA   | 5,116.00 | 1        | 51.2.1            | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)( <b>Supply</b> |

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|          |   |      |          |          |                  | <b>of all materials except cement)</b> Quarry materials to be paid seperately). <u><b>90 cm equilateral triangle</b></u>  |
| 40.      | RetroTraffic signs 60 cm equilateral triangle | EA   | 3,144.00 | 1        | 51.2.2           | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid seperately). <u><b>60 cm equilateral triangle</b></u> |
| 50.      | RetroTraffic signs 60 cm Circular             | EA   | 4,435.00 | 1        | 51.2.3           | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid seperately). <u><b>60 cm circular</b></u>             |

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| 60.      | RetroTraffic signs 80x60cm rectangular | EA   | 6,437.00 | 1        | 51.2.4            | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid separately). <u><b>80 mm x 60 mm rectangular</b></u> |
| 70.      | RetroTraffic signs 60x45cm rectangular | EA   | 4,303.00 | 1        | 51.2.5            | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid separately). <u><b>60 cm x 45 cm rectangular</b></u> |
| 80.      | RetroTraffic signs 60x60cm square      | EA   | 5,217.00 | 1        | 51.2.6            | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type   |



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|          |   |      |           |          |                  | reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid seperately). <b><u>60 cm x 60 cm square</u></b>  |
| 90.      | RetroTrafficsigns90cmOctagon            | EA   | 8,388.00  | 1        | 51.2.7           | <b>Retro- reflectorised Traffic signs</b> (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)(Supply of all materials except cement) Quarry materials to be paid seperately). <b><u>90 cm high octagon</u></b> |
| 100.     | Direction and place Identificationsigns | M2   | 11,866.00 | 1        | 51.3             | <b>Direction and Place Identification signs upto 0.90 sqm size board.</b> (Providing and erecting direction and place identification retro-reflectorised sign asper IRC:67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel  |

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|          |   |      |           |          |                  | single angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing)( <b>Supply of all materials except cement, Quarry materials to be paid seperately</b> ).  |
| 110.     | Direction and place Identificationsigns | M2   | 12,156.00 | 1        | 51.4             | <b>Direction and Place Identification signs with size more than 0.90 sqm size board.</b> (Providing and erecting direction and place identification retro- reflectorised sign asper IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)( <b>Supply of all materials except cement, Quarry materials to be paid seperately</b> ). |
| 120.     | Painting onConcrete Surfaces-PaintCont  | M2   | 103.00    | 1        | 51.5             | <b>Painting Two Coats on New Concrete Surfaces</b> (Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces) <b>Paint supplied by contractor of approved quality</b>  |
| 130.     | Painting Lines new over                 | M2   | 157.00    | 1        | 51.6.1           | <b>Painting Lines, Dashes, Arrows etc on Roads in Two</b>   |

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|          | 10cm-PaintCont                        |      |        |          |                  | <b>Coats on New Work</b> (Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control )<br><b>Paint supplied by contractor of approved quality <u>Over 10 cm in width</u></b>   |
| 140.     | Painting Lines new upto10cm-PaintCont | M2   | 127.00 | 1        | 51.6.2           | <b>Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work</b> (Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control )<br><b>Paint supplied by contractor of approved quality <u>Up to 10 cm in width</u></b> |
| 150.     | Painting Lines old over10cm-PaintCont | M2   | 111.00 | 1        | 51.7.1           | <b>Painting Lines, Dashes, Arrows etc on Roads in Two Coats on Old Work</b> (Painting lines, dashes, arrows etc on roads in two coats on old work with ready mixed road marking paint confirming to IS: 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control) <b>Paint supplied by contractor of approved quality.<u>Over 10 cm in width</u></b>     |
| 160.     | PaintingLines old                     | M2   | 122.00 | 1        | 51.7.2           | <b>Painting Lines, Dashes, Arrows etc on Roads in Two</b>   |

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|          | upto10cm-PaintCont                      |      |          |          |                  | <b>Coats on Old Work</b> (Painting lines, dashes, arrows etc on roads in two coats on old work with ready mixed road marking paint confirming to IS: 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control) <b>Paint supplied by contractor of approved quality)</b> <u>Up to 10 cm in width</u>   |
| 170.     | Rd Marking with Hot Thermoplastic Compd | M2   | 283.60   | 1        | 51.8             | <b>Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface</b> (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes. <b>Paint supplied by contractor of approved quality.</b> |
| 180.     | FixingKMStone-5thKM(PreCast)            | EA   | 2,733.00 | 1        | 51.9.1           | Reinforced cement concrete M15 grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc. <b>5th kilometre stone (precast)</b>  |
| 190.     | Fixing KM Stone-Ordinary KM (PreCast)   | EA   | 1,366.00 | 1        | 51.9.2           | Reinforced cement concrete M15 grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc.kilometre. <b>Ordinary Kilometer stone (Precast)</b>   |

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| 200.     | Fixing KMStone-Hectometre (PreCast)      | EA   | 465.00   | 1        | 51.9.3            | Reinforced cement concrete M15 grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc. <b><u>(iii) Hectometer stone (Precast)</u></b>   |
| 210.     | Supply & installation of delineators     | EA   | 372.00   | 1        | 51.10             | Supplying and installation of delineators(road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide stripes, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming to IRC-79 and the drawings.)  |
| 220.     | Mak Boundary pillar all materials byCont | EA   | 588.00   | 1        | 51.11             | <b>Boundary pillar</b> (Reinforced cement concrete M15 grade boundary pillars of standard design as per IRC:25-1967, fixed in position including finishing and lettering but excluding painting)( <b><u>Supply of all materials except cement by contractor</u></b> )   |
| 230.     | ProvidingTubular Steel Railing on Medium | M    | 1,100.00 | 1        | 51.12             | Tubular Steel Railing on Medium Weight steel channel ( ISMC series) 100 mm x 50 mm : Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings.( <b><u>Supply of all materials except cement by contractor</u></b> ) |

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| 240.     | Tubular Railing onPost-Supply by Cont | M    | 742.00   | 1        | 51.13            | Tubular Steel Railing on Precast RCC posts, 1.2 m high above ground level :Providing, fencing and erecting 50 mm dia painted steel pipe railing in 3 rows on precast M20 grade RCC vertical posts1.8 metres high (1.2 m above GL) with 3 holes 50 mm dia for pipe, fixed 2 metres centre to, complete as per approved drawing( <b><u>Supply of all materials except cement by contractor</u></b> )  |
| 250.     | Reinf CementConcrete Crash Barrier    | M    | 1,774.00 | 1        | 51.14            | <b>Reinforced Cement Concrete Crash Barrier</b> (Provision of an Reinforced cement concrete crash barrier at the edges of the road, approaches to bridge structures and medians, constructed with M-20 grade concrete with HYSD reinforcement conforming to IRC:21 and dowel bars 25 mm dia, 450 mm long at expansion joints filled with pre-moulded asphalt filler board, keyed to the structure on which it is built and installed as per design given in the enclosure to MOST circular No. RW/NH - 33022/1/94-DO III dated 24 June 1994 as per dimensions in the approved drawing and at locations directed by the Engineer, all as specified)(Supply of all materials except cement)(i) <b>M 20 grade concrete</b> |
| 260.     | W : Metal Beam Crash Barrier          | M    | 742.00   | 1        | 51.15            | <b>Type - A, "W" : Metal Beam Crash Barrier</b> (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel   |

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|          |  |      |        |          |                  | vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 810.(Supply of all materials except cement)   |
| 270.     | Metal BeamCrash<br>Barrierall-materialsCont  | M    | 938.00 | 1        | 51.16            | <b>Type - B, "THRIE" : Metal Beam Crash Barrier</b><br>(Providing and erecting a "Thrie" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 85 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 2 m high with 1.15 m below ground level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a space of channel section 150 x 75 x 5 mm, 546 mm long complete as per clause 810)(Supply of all materials except cement) |
| 280.     | FlexibleCrashBarrierWireRopeSafet<br>yBarrie | M    | 247.00 | 1        | 51.17            | Flexible Crash Barrier, Wire Rope Safety Barrier<br>(Providing and erecting a wire rope safety barrier with vertical posts of medium weight RS Joist (ISMB series) 100 mm x 75 mm (11.50 kg/m), 1.50 m long 0.85 m above ground and 0.65 m below ground level, split at the bottom for better grip, embedded in M 15 grade cement concrete   |

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|          |  |      |        |          |                   | 450 x 450 x 450 mm, 1.50 m center to center and with 4 horizontal steel wire rope 40 mm dia and anchored at terminal posts 15 m apart. Terminal post to be embedded in M 15 grade cement concrete foundation 2400 x 450 x 900 mm (depth), strengthened by a strut of RS joist 100 x 75 mm, 2 m long at 450 inclination and a tie 100 x 8 mm, 1.50 m long at the bottom, all embedded in foundation concrete as per approved design and drawing, rate excluding excavation and cement concrete.)(Supply of all materials except cement)   |
| 290.     | AntiGlare Devices in Median with frame | M    | 229.00 | 1        | 51.18             | <b>Anti-Glare Devices in Median:</b> Anti - Glare Screen with 25 mm steel pipe framework fixed with circular and rectangular vans (Providing and erecting an anti - glare screen with 25 mm dia vertical pipes fabricated and framed in the form of panels of one metre length and 1.75 mtr height fixed with circular vane 250 mm dia at top and rectangular vane 600 x 300 mm at the middle, made out of steel sheet of 3 mm thickness, end vertical pipes of the panel made larger for embedding in foundation concrete, applying 2 coats of paint on all exposed surfaces, all as per approved design and drawings.) |
| 300.     | AntiGlareScreen with Rectan Vanesheet  | M    | 125.00 | 1        | 51.19             | Anti - Glare Screen with Rectangular Vane of MS sheet (Providing and erecting anti - glare screen with rectangular vanes of size 750 x 500 mm made from MS sheet, 3 mm thick and fixed on MS angle 50 x 50 x 6 mm at an angle of   |



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|          |   |      |          |          |                  | 450 to the direction of flow of traffic, 1.5 m center to center, top edge of the screen 1.75 m above ground level, vertical post firmly embedded in cement concrete foundation 0.60 m below ground level, applying 2 coats of paint on exposed faces, all complete as per approved design and drawings)   |
| 310.     | Provid & laying Cable Ductin Single Row | M    | 2,972.00 | 1        | 51.20.1          | Cable Duct Across the Road (Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.) (Supply of all materials except cement)(Including supply of 300 mm dia culvert & collar , excluding cement)(i) Single Row for one utility service |
| 320.     | Provid & laying CableDuctin Double Row  | M    | 5,743.00 | 1        | 51.20.2          | Cable Duct Across the Road (Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain   |

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|          |   |      |          |          |                   | in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.) (Supply of all materials except cement)(Including supply of 300 mm dia culvert & collar , excluding cement)(ii) Double Row for two utility services  |
| 330.     | Provid & laying CableDuct in Triple Row | M    | 8,543.00 | 1        | 51.20.3           | Cable Duct Across the Road (Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.) (Supply of all materials except cement)(Including supply of 300 mm dia culvert & |

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|          |  |      |           |          |                   | collar , excluding cement)(iii) Triple Row for three utility services  |
| 340.     | Gantry Mounted Message Sign board        | TO   | 77,775.00 | 1        | 51.21             | Gantry Mounted Variable Message Sign board (Providing and erecting gantry mounted variable message sign board electronically operated capable of flashing the desired message over a designed support system of aluminium alloy or galvanised steel, erected as per approved design and drawings and with lateral clearance as per clause 802.3) (i) Gantry Support System |
| 350.     | Instal traffic attenuators atabutment    | M2   | 1,534.00  | 1        | 51.22             | Provision and installation of traffic attenuators at abutment/pier of flyovers bridges using scrap tyres of size 100 x 20 retrieved from trucks laid in 2 rows and 4 tiers, one above the other and tied with 20 mm wire rope as per approved design and drawings.)  |
| 360.     | Instal traffic impactattenuator          | M2   | 806.00    | 1        | 51.23             | Using Plastic/Steel Barrel, Filled with Sand (Provision and installation of traffic impact attenuator at abutment/pier of flyovers bridges using plastic/steel barrels 0.60 m dia and 1.0 m in height, filled with sand in three rows and tied with 20 mm steel wire rope as per approved design and drawings)   |
| 370.     | Instal traffic impactattenuator abutment | M2   | 2,357.00  | 1        | 51.44             | Provision and installation of traffic impact attenuator at abutment/pier of flyovers bridges using With HI - DRO cell Sandwich (Patented) ((In this patented HI - DRO cell   |

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|          |  |      |          |          |                  | system, water gets discharged from plastic tubes on impact over a pre-determined time, thus absorbing the energy)   |
| 380.     | Portable Barricade inConst Zone-MatrCont | EA   | 2,753.00 | 1        | 51.25            | Portable Barricade in Construction Zone (Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 450, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 ) (Supply of all materials except cement) |
| 390.     | Permanent type barricade made of steel   | EA   | 4,061.00 | 1        | 51.26            | Construction of a permanent type barricade made of steel components, 1.5 m high from road level, fitted with 3 horizontal rails 200 mm wide and 4 m long on 50 x 50 x 5 mm angle iron vertical support, painted with yellow and white strips, 150 mm in width at an angle of 450, complete as per IRC:SP:55-2001 )(Supply of all materials except cement)   |
| 400.     | Permanent type barricade made ofWood     | EA   | 7,872.00 | 1        | 51.27            | Construction of a permanent type barricade made of wooden components, 1.5 m high from road level, fitted with 3 horizontal planks 200 mm wide and 3.66 m long on 100 x 100mm wooden vertical post, painted with yellow and white striups, 150 mm in width at an angle of 450, complete as per IRC:SP:55-2001 )(Supply of all materials  |

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|          |  |      |           |          |                   | except cement)   |
| 410.     | Permanent type barricade made of Brick     | EA   | 19,020.00 | 1        | 51.28             | Construction of a permanent type barricade made with brick work in mud mortar, 1.5 m high, 4 m long, 600 mm thick, plastered with cement mortar 1:6, painted with yellow and white strips) (Supply of all materials except cement) Cost of bricks included.  |
| 420.     | Empty Drum Delineator in Construction Zone | EA   | 487.00    | 1        | 51.29             | Drum Delineator in Construction Zone (Provision of metal drum/empty bitumen drum delineator, 300 mm in diameter, 800 mm high, filled with earth for stability, painted in circumferential strips of alternate black and white 100 mm wide fitted with reflectors 3 Nos of 7.5 cm dia, all as per IRC:SP:55-2001) |
| 430.     | Providing Flagman                          | EA   | 688.00    | 1        | 51.30             | Flagman (Positioning of a smart flagman with a yellow vest and a yellow cap and a red flag 600 x 600 mm securely fastened to a staff 1 m in length for guiding the traffic)  |
| 440.     | Provo fluorescent with white reflective    | EA   | 1,433.00  | 1        | 51.31             | Traffic Cone: Provision of red fluorescent with white reflective sleeve traffic cone made of Low Density Polyethylene (LDPE) material with a square base of 390 x 390 x 35 mm and a height of 770 mm, 4 kg in weight, placed at 1.5 m interval, all as per BS:873. (rate inclusive of supply)                    |

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| <b>52 : CEMENT CONCRETE PAVEMENTS</b> |   |      |          |          |                  |  |
| 10.                                   | Lean Cement Concrete Subbase-cementComp | M3   | 1,836.00 | 1        | 52.1             | <b>Dry Lean Cement Concrete Sub- base</b> (Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)( <b>Rate inclusive of all items except Cement which will be provided by Company</b> ) |
| 20.                                   | Cement Concrete PavementexceptCement    | M3   | 3,786.00 | 1        | 52.2             | <b>Cement Concrete Pavement</b> (Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer,  |

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|          |  |      |          |          |                   | joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing )(Rate inclusive of all items except Cement which will be provided by Company)  |
| 30.      | Rolled Cement Concrete Base except Cement                | M3   | 1,839.00 | 1        | 52.3              | <b>Rolled Cement Concrete Base</b> (Construction of rolled cement concrete base course with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm with minimum, aggregate cement ratio 15:1 and minimum cement content of 200 kg/cum, aggregate gradation to be as per table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing.)(Rate inclusive of all items except Cement which will be provided by Company) |
| 40.      | Construction of Base/Sub-base with lean concrete fly ash | M3   | 1,879.00 | 1        | 52.4              | <b>Construction of Base/Sub-base of pavement with lean concrete - fly ash.</b> (Construction of Base/sub-base using cement, sand, fly ash and coarse aggregates proportioned as per table 4 of IRC: 74/1979 and with water content ratio, slump and compressive strength as defined in the said table, mix prepared in a batching and mixing plant and compacted with a vibratory roller 8-10 tonnes capacity within the time limit laid down vide clause 7.6.3 of IRC:   |

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|  |                                      |      |          |          |                  | 74-1979, construction joints properly formed at the end of day's work, cured for 14 days, all as specified in IRC: 74-1979 and as per approved plans.)( <b>Rate inclusive of all items except Cement which will be provided by Company</b> )  |
| 50.  | Cement Flyash pavement except cement | M3   | 3,884.00 | 1        | 52.5             | <b>Cement - Fly ash concrete pavement.</b> (Construction reinforced-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, replacing cement by fly ash to the extent of 15% and sand by 10%, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing )(Rate inclusive of all items except Cement which will be provided by Company) |
| <b>53 : GEOSYNTHETICS AND REINFORCED EARTH</b> |                                      |      |          |          |                  |   |
| 10.  | Const of subsurface of Geotextiles   | M    | 1,460.70 | 1        | 53.1             | <b>Construction of sub surface drain 200 mm dia</b> using geotextiles treated with carbon black with physical properties as given in clause 702.2.3 formed in to a stable   |



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|          |   |      |          |          |                   | network and a planar geocomposite structure, joints wrapped with geotextile to prevent ingress of soil, all as per clause 702 and approved drawings including excavation and backfilling.  |
| 20.      | Constanarrow filter nof perforated pipe   | M    | 1,210.12 | 1        | 53.2              | <b>Construction of a narrow filter sub- surface drain</b> consisting of porous or perforated pipe laid in narrow trench surrounded by a geotextile filter fabric, with a minimum of 450 mm overlap of fabric and installed as per clause 702.3 and 309.3.5 including excavation and backfilling.   |
| 30.      | Provid & laying paving fabric             | M2   | 400.13   | 1        | 53.3              | <b>Providing and laying paving fabric</b> with physical requirements as per table 704-2 over a tack coat of paving grade Bitumen 80-100 penetration, laid at the rate of 1 kg per sqm over thoroughly cleaned and repaired surface to provide a water resistant membrane and crack retarding layer. Paving fabric to be free of wrinkling and folding and to be laid before cooling of tack coat, brooming and rolling of surface with pneumatic roller to maximise paving fabric contact with pavement surface. |
| 40.      | Boulder Apron Crates of Synthetic Geogrid | M3   | 1,038.00 | 1        | 53.4              | <b>Laying Boulder Apron in Crates of Synthetic Geogrids</b> (Providing, preparing and laying of geogrid crated apron 1 m x 5 m, 600 mm thick including excavation and backfilling with baffles at 1 metre interval, made with geogrids having characteristics as per clause 704.2,   |

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|          |  |      |        |          |                  | joining sides with connectors/ring staples, top corners to be tie tensioned, placing of suitable cross interval ties in layers of 300 mm connecting opposite side with lateral braces and tied with polymer braids to avoid bulging, constructed as per clause 704.3. filled with stone with minimum size of 200 mm and specific gravity not less than 2.65, packed with stone spalls, keyed to the foundation recess in case of sloping ground and laid over a layer of geotextile to prevent migration of fines, all as per clause 704 and laid as per clause 2503.3 and approved design.) |
| 50.      | Reinforced Earth Retaining Wall          | M2   |        | 1        | 53.5.1           | <b>Reinforced Earth Retaining Wall:</b> Reinforced earth retaining walls having four main components as under: a)Excavation for foundation, foundation concrete and cement concrete grooved seating in the foundation for facing elements(facia material). b)Facia material and its placement.c)Assembling,joining with facing elements and laying of the reinforcing elements.d) Earthfill with granular material which is to be retained by the wall.)<br><b>(Rate inclusive of all items except Cement which will be provided by Company)(i) Facing elements of RCC</b>                   |
| 60.      | Reinf earth Ret Wall with synth geogrids | M2   | 462.00 | 1        | 53.5.2           | Reinforced Earth Retaining Wall:Reinforced earth retaining walls having four main components asunder:a)Excavation for foundation, foundation concrete and cement concrete grooved seating in the foundation for facing elements(facia material).b)Facia material and its   |

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|                           |  |      |       |          |                  | placement.c)Assembling, joining with facing elements and laying of the reinforcing elements.d)Earthfill with granular material which is to be retained by the wall.)(Rate inclusive of all items except Cement which will be provided by Company)(ii) Assembling, joining and laying of reinforcing elements. With reinforcing elements of synthetic geogrids |
| 70.                       | Laying HDPE sheets                     | M2   | 14.01 | 1        | 53.6             | Laying HDPE sheets or plastic/tarpulene sheets of weight not exceeding 300GSM in pits, including, jointing sheets and preparation of surface including dressing levelling the area as directed by engineer-in-charge. (Rate excluding cost of sand bags, boulders etc.)   |
| <b>54 : MISCELLANEOUS</b> |  |      |       |          |                  |   |
| 10.                       | Dust control along the road            | M2   | 19.19 | 1        | 54.1             | Dust control along the road (12m. widely)during execution period including spreading and sprinkling of water by mechanical means at morning hours before starting of day work,@ 1 litre /Sq.m. of surface area.   |
| 20.                       | Cutt tree& shrub trimming grass& weeds | ET   | 45.61 | 1        | 54.2.1           | Cutting of branches of trees shrubs and trimming of grass and weeds(i) Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1914   |
| 30.                       | Trim grass&weed from                   | M2   | 0.90  | 1        | 54.2.2           | Cutting of branches of trees shrubs and trimming of grass   |

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|          | shoulders&berm                           |      |           |          |                   | and weeds(ii) Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914   |
| 40.      | Preliminary survey for alignment         | KM   | 3,432.00  | 1        | 54.3.1            | Preliminary and detail survey.(Part-A)(i) Preliminary survey for alignment(ghat tracing, clearance of jungle etc.) and prepare alignment report in three copies."   |
| 50.      | White washing on Alignment line          | KM   | 1,152.80  | 1        | 54.3.2            | Preliminary and detail survey.(Part-A) White washing on Alignment line and level line after preliminary survey."  |
| 60.      | Construction of 0.60 meter wide trace cu | KM   | 16,200.80 | 1        | 54.3.3            | Preliminary and detail survey.(Part-A)(iii)Construction of 0.60 meter wide trace cut.   |
| 70.      | Detail survey work                       | KM   | 7,615.74  | 1        | 54.4              | <b>Detail survey work.</b> ( For new construction or improvement) Survey and investigation and preparation of DPR for road work with chain and compass, auto level, theodolite or total station i/c fixing of permanent benchmark and also fixing of bench mark on all the permanent structures, along the alignment, like boundary wall, electrical poles etc. Also marking of locations of electric poles, telephone poles trees etc. in the road boundary, collection and submission of existing inventory of the road all along the alignment conducting survey @ 20 metre interval for L-section and for |

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|          |  |      |           |          |                   | single laneX-section interval will be @ 0.75, 1.25, 1.875, 2.60, 3.75, 4.50, 5.5 and 6.50 metre on both side of centre line for two lane four laneinterval for x-section shall be as specified in MORT&H Specifications<br>Data collected as specified above are required to be submitted in bothhard and soft copies, L-section, X-section and plan is required to be submitted in the shape of drawing sheets drawn with the help of autoplotter.Soil samples @ every 500 metre or wherever soil appears to change itsproperties are required to be collected and soil investigation for LL,PL, swelling index and CBR are to be conducted and result too be submitted along with the project report.Job also includes collection of data for traffic census fixing of RTLgetting it approved from Engineer-in-Charge and accordinglysubmission of pavement design in accordance with relevant clauses ofIRC. Preparation of estimate complete and submission of same in eightcopies duly spiral binded. |
| 80.      | Const of evel& back cutting pillars.   | KM   | 14,900.60 | 1        | 54.5              | Construction of Job, Level and back cutting pillars.   |
| 90.      | Cost of paint with LIME.               | KM   | 1,152.80  | 1        | 54.6              | Cost of paint, rope, pegs and marking back cutting line with LIME.   |
| 100.     | Prelim & detail survey-Tracing of Plan | KM   | 5,720.00  | 1        | 54.7.1            | Preliminary and detail survey.(Part-B)1 Prepair drawing docket in five copies.(ploting and tracing of Plan, L-   |

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|          |   |      |          |          |                   | Section and X-Section)  |
| 110.     | Prelim & detail survey-Detail Estimate      | KM   | 2,301.20 | 1        | 54.7.2            | Preliminary and detail survey.(Part-B)2Prepair detail estimate in five copies.  |
| 120.     | Prelim & detail survey-Prep Land acqui      | KM   | 5,764.00 | 1        | 54.7.3            | Preliminary and detail survey.(Part-B)3 Prepair Land acquisition & forest proposal in five copies as per check list and fact sheet of forest department.  |
| 130.     | B.M ,S.D.B.C works Taking & Recording level | KM   | 2,321.00 | 1        | 54.8.1            | Part-C(For B.M ,S.D.B.C works only)1 Taking & Recording level after and before construction of Bituminous surface as per MOSRTH (One time only)   |
| 140.     | Survey for catchm area less than 1.25 SqKm. | KM2  | 3,236.46 | 1        | 54.9.1            | Performing details survey and investigation and collection of hydraulic data (essential design data as per IRC special publication No.13 guidelines for small bridges and culvert) regarding catchment area, Lsection of road and nalla, cross-section of nalla at the point of crossing at upstream and down stream as well as T.P. section result ascertaining and making of HFL/OFL transferring and fixing of pucca bench mark at site etc. complete i/c of all necessary material and labour required for survey work after collection of all data prepare all drawing estimate with computer in eight copies, duly spiral binded. <b>For catchment area less than 1.25 Sq.Km.</b> |

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| 150.     | Survey for catchm<br>lessthen1.25to2.5 SqKm | KM2  | 3,984.88 | 1        | 54.9.2           | Performing details survey and investigation and collection of hydraulicdata (essential design data as per IRC special publication No.13<br>guidelnes for small bridges and culvert) regarding catfchment area, Lsectionof road and nalla, cross-section of nalla at the point of crossing<br>at upstream and down stream as well as T.P. section result ascertainingand making of HFL/OFL transferring and fixing of pucca bench mark<br>at site etc. complete i/c of all necessary material and labour requiredfor survey work after collection of all data<br>prepare all drawing estimate<br>with computer in eight copies, duly spiral binded. <b><u>For catchment area 1.25 to 2.50 Sq.Km."</u></b> |
| 160.     | Survey for catchm<br>lessthenbeyond2.5 SqKm | KM2  | 4,795.70 | 1        | 54.9.3           | Performing details survey and investigation and collection of hydraulicdata (essential design data as per IRC special publication No.13<br>guidelnes for small bridges and culvert) regarding catfchment area, Lsectionof road and nalla, cross-section of nalla at the point of crossing<br>at upstream and down stream as well as T.P. section result ascertainingand making of HFL/OFL transferring and fixing of pucca bench mark<br>at site etc. complete i/c of all necessary material and labour requiredfor survey work after collection of all data   |

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|          |  |      |        |          |                  | prepare all drawing estimate with computer in eight copies, duly spiral binded. <b><u>For catchment area beyond then 2.50 Sq.Km.</u></b>   |
| 170.     | Cutting of bitumen drums at top          | DR   | 62.33  | 1        | 54.10            | Cutting of bitumen drums at top, bottom and longitudinally including flattening under the wheels of road roller.( <b>Road rollersupplied by company</b> )  |
| 180.     | Sand Piling 150mm to 200mm dia           | M    | 184.80 | 1        | 54.11            | Sand Piling 150mm to 200mm dia: Sand Piling 150mm to 200mm dia. to improve sub-soil bearing condition of the earth. Making hole with auger, manually or by making holes with locally made piles and filling holes cavity with dry sand upto 2.00m depth (All equipments to be arranged by contractor).( <b>Supply of sand to be paid separately</b> ). |
| 190.     | BAMBOO PILING including stiffness        | M    | 198.68 | 1        | 54.11 A          | <b>BAMBOO PILING including stiffness etc.</b> using #Bhaluka bamboo# or big size #Jati# bamboo at river bank and water logging areas, including supply of bamboo and necessary ropes etc. complete.  |
| 200.     | Extracting Tube-Well of dia 40mm to 50mm | M    | 107.61 | 1        | 54.12            | Extracting Tube-Well of dia. 40mm to 50mm., for recovery of materials viz. Pipe, pump and fittings including removing and transporting, unloading, stacking properly at place within 8 Km distance.  |
| 210.     | Sinking/Boring with 40-50 mm diameter    | M    | 233.00 | 1        | 54.13            | Sinking/Boring with 40-50 mm diameter casing/tube well pipe for hand pump/ tube well in all soils except ordinary  |



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|          |  |      |        |          |                  | hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and tested :including installation of strainer and pump but excluding cost of spares. Any adjustment or repair to tube-well part included as part of job.(Materials shall be collected from the company's yard).  |
| 220.     | Cutting across GR/Asph road for layinPL  | M    | 312.00 | 1        | 54.15            | <b>Cutting across GR/Asph road for layinPL.</b> :Cutting across gravelled or asphalted road formation to a depth of 1.00m or less and laying 100mm to 200mm dia. pipeline and back filling and ramming earth / gravel / stone including making arrangements for passing wheeled traffic and placing traffic sign during execution of work.  |
| 230.     | Cutting across Kutcha road for layingPL. | M    | 191.06 | 1        | 54.16            | <b>Cutting across Kutcha road for layingPL.</b> :Cutting across Kutcha road or along road berms without having to make arrangements for passing wheeled traffic. to a depth of 1.00m or less and laying 100mm to 200mm dia. pipeline and back filling and ramming earth / gravel / stone including making arrangements for passing wheeled traffic and placing traffic sign during execution of work. |
| 240.     | Add for every addnl pipeline(GR/Asph)    | M    | 95.53  | 1        | 54.17            | <b>Add for every addnl pipeline(GR/Asph)</b> :Cutting across GR/Asph road for layinPL.: ) Cutting across gravelled or asphalted road formation to a depth of 1.00m or less and laying 100mm to 200mm dia. pipeline and back filling and ramming earth / gravel / stone including making   |

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|          |                                       |      |       |          |                  | arrangements for passing wheeled traffic and placing traffic sign during execution of work.c) Add extra for every additional pipeline side by side.   |
| 250.     | Add for every addnl pipeline(Kutchra) | M    | 51.29 | 1        | 54.18            | <b>Add for every addnl pipeline(Kutchra):</b> Cutting across Kutchra road for layingPL.: ), Cutting across Kutchra road or along road berms without having to make arrangements for passing wheeled traffic. to a depth of 1.00m or less and laying 100mm to 200mm dia. pipeline and back filling and ramming earth / gravel / stone including making arrangements for passing wheeled traffic and placing traffic sign during execution of work. Add for every additional pipeline side by side. |
| 260.     | Construction of cement brick Kerb     | M    | 93.28 | 1        | 54.19            | <b>Construction of cement brick Kerb</b> with cement mortar in prop.1 cement : 3 sand for foot-paths with half the width of brick i.e. 115mm being sunk inside the earth, brick being laid over 25mm thick mortar of prop. 1 cement : 8 sand and cement flush pointing (prop. 1cement : 2 sand), then back filling foundation and curing brick work at exposed surface including cutting foundation to accurate size and alignment and carrying of all materials from a distance of upto 30.00m.  |
| 270.     | Placing brick on edges on foot-path   | M    | 81.50 | 1        | 54.20            | <b>Placing brick on edges on foot-path</b> in angle not more than 45 degree side by side in straight line and required curve including necessary earth cutting (depth not more  |

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|          |  |      |        |          |                  | than 115mm) for placing the bricks and including light ramming in the sides to keep the bricks vertically in firm position.   |
| 280.     | Maintenance of Foot-Path                 | M2   | 24.12  | 1        | 54.21            | Maintenance of Foot-Path removing grass, dressing, levelling and cambering surface and Kutcha side drains on either sides.  |
| 290.     | Making Kutcha Road on sub-way            | M2   | 26.78  | 1        | 54.22            | Making Kutcha Road on sub-way including levelling, dressing, cambering and consolidating and providing drainage on both sides as directed and to specified width.   |
| 300.     | Fixing Guard Posts / Sign Posts          | EA   | 72.22  | 1        | 54.23            | Fixing Guard Posts/Sign Posts of old pipes cut to sizes, including digging holes upto 750mm deep and packing properly as directed.  |
| 310.     | Fixing Guard Post of empty bitumen drum  | EA   | 361.77 | 1        | 54.24            | <b>Fixing Guard Posts of empty bitumen drums</b> , including placing it vertically below ground to a depth of 30cm to 45cm, earth cutting and filling drum with loose earth upto 150mm above drum top at centre but sloping down to drum top edge level, as directed with earth suitably compacted. |
| 320.     | Laying & lifting 75mm thick timber track | M2   | 38.21  | 1        | 54.25            | Laying and later on lifting 75mm thick timber track way (for loading lorries), including stacking and loading on trucks for each operation of laying and lifting.   |

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| 330.     | Filling empty cement bags with sand      | BAG  | 15.07    | 1        | 54.26             | Filling empty cement bags with sand of minimum volume of 0.025 Cu. m per bag, tying open end with rope / wire and stacking at filling yard ready for transporting, excluding supply of sand and empty cement bags.  |
| 340.     | Filling&Placing emptycementbagswith sand | BAG  | 19.13    | 1        | 54.27             | Filling empty cement bags with sand of minimum volume of 0.025 Cu. m per bag, tying open end with rope / wire and stacking at filling yard ready for transporting, excluding supply of sand and empty cement bags, but including placing in position (within 100.00m from place of filling) of stacks upto 2.00m height.  |
| 350.     | Supply And Making Bamboo Rafts           | ER   | 7,449.42 | 1        | 54.28             | Supply And Making Standard 6.09m x 6.09m Bamboo Rafts with full size 'Jati' bamboo horizontally both ways at 0.61m apart, tying with 18 gauge G.I. wire, placing and anchoring in position as directed by engineer at site and tying big sized tree branches on the raft fully packed, including supply of all materials such as brushwood, bamboo etc. and also transport of all materials to work site. |
| 360.     | Inserting & fixing cleats/packing plates | EA   | 176.83   | 1        | 54.29             | Inserting & fixing cleats/packing plates  |
| 370.     | Providing 80 mm thk CC paver block-M30   | M2   | 725.36   | 1        | 54.30             | Providing and laying 80 mm thk CC paver block-M30, factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in   |

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|          |  |      |        |          |                   | required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand complete all as per direction of Engineer-in- Charge excluding cost of sand (Cost of Sand 0.065 cum per sqm to be paid separately).   |
| 380.     | Providing 60 mm thk CC paver block-M30 | M2   | 685.87 | 1        | 54.31             | Providing and laying 60 mm thk CC paver block-M30, factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand complete all as per direction of Engineer-in- Charge excluding cost of sand (Cost of Sand 0.065 cum per sqm to be paid separately). |

**55 : BRIDGE WORKS**

**56 : SUB-STRUCTURE**

**57 : SUPER-STRUCTURE**

**58 : PROTECTION WORKS**

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| Item No. | Description                                | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
| 10.      | Bamboo spur & palisade of 2nd class 1800GL | M    | 703.00 | 1        | 58.1.1R           | <b>Single bamboo spur and palisading of whole 2nd class bamboo (jati or Bethua)</b> 65 mm to 75 mm dia and closely packed & driven, including fitting fixing with half bamboo kamis horizontally in three rows with cane or tying wire complete and struts 1500 mm apart longitudinally and providing brush wood as per drawing and technical specifications Clause 1302.5.(a) <b>Driven at least 900 mm below ground and 1800 mm above ground on</b> |
| 20.      | Bamboo spur & palisade of 2nd class 900GL  | M    | 598.00 | 1        | 58.1.2R           | <b>Single bamboo spur and palisading of whole 2nd class bamboo (jati or Bethua)</b> 65 mm to 75 mm dia and closely packed & driven, including fitting fixing with half bamboo kamis horizontally in three rows with cane or tying wire complete and struts 1500 mm apart longitudinally and providing brush wood as per drawing and technical specifications Clause 1302.5.(b) <b>Driven at least 900 mm below ground and 900 mm above ground on</b>  |
| 30.      | Bamboo spur & palisade of 1st class 1800GL | M    | 805.79 | 1        | 58.2.1R           | <b>Single bamboo spur and palisading of whole 1st class bamboo (Bholuka or Barua)</b> 85 mm to 100 mm dia. Closely packed & driven including fitting fixing with half 2nd class bamboo (jati or Bethua) horizontally in three rows with cane or tying wire complete and struts 1500 mm apart longitudinally and providing brush wood in the spur as per drawings and technical specifications.(a) <b>Driven</b>                                       |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | atleast900 mm below ground and 1800 mm above ground  |
| 40.      | Bamboo spur& palisad of 1stclass900GL    | M    | 454.83 | 1        | 58.2.2R          | <b>Single bamboo spur and palisading of whole 1st class bamboo (Bholuka or Barua)</b> 85 mm to 100 mm dia. Closely packed & driven including fitting fixing with half 2nd class bamboo (jati or Bethua) horizontally in three rows with cane or tying wire complete and struts 1500 mm apart longitudinally and providing brush wood in the spur as per drawings and technical specifications.(b) <b>Driven at least 900 mm below ground and 900 mm above ground on</b>  |
| 50.      | Bamboo spur& palisad of 1stclass1200GL   | M    | 455.22 | 1        | 58.2.3R          | <b>Single bamboo spur and palisading of whole 1st class bamboo (Bholuka or Barua)</b> 85 mm to 100 mm dia. Closely packed & driven including fitting fixing with half 2nd class bamboo (jati or Bethua) horizontally in three rows with cane or tying wire complete and struts 1500 mm apart longitudinally and providing brush wood in the spur as per drawings and technical specifications.(c) <b>Driven at least 600 mm below ground and 1200 mm above ground on</b> |
| 60.      | Bamboo spur A type with 2nd class bamboo | M    | 734.67 | 1        | 58.3.1R          | <b>Bamboo spur 'A' type with whole bamboo 85mm-100mm dia</b> , placed 230 mm centre to centre driven 900 mm below ground and 1200 mm to 1500 mm above ground tied with 2nd class bamboo (jati or Bethua)   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | on either side at 450 mm apart horizontally with galvanised wire etc. complete as per drawings and technical specifications.(a) <b>2nd class bamboo (jati or Bethua) 75 mm dia</b>  |
| 70.      | Bamboo spur A type with 1st class bamboo | M    | 679.84   | 1        | 58.3.2R           | <b>Bamboo spur 'A' type with whole bamboo 85mm-100mm dia</b> , placed 230 mm centre to centre driven 900 mm below ground and 1200 mm to 1500 mm above ground tied with 2nd class bamboo (jati or Bethua) on either side at 450 mm apart horizontally with galvanised wire etc. complete as per drawings and technical specifications(b) <b>1st class bamboo(Bholuka or Barua)85mm to 100mm dia</b>  |
| 80.      | Single spur with 1st class bamboo        | M    | 1,043.93 | 1        | 58.4R             | <b>Providing 'A' type single spur with 1st class bamboo (Bholuka or Barua)85mm to 100 mm dia</b> . Driven closely placed 3m to 4m above ground and 1200mm to 1500 mm below ground tied with cane or coir string, half 2nd classbamboo (jati or Bethua) horizontally on both face placed not more than one metre apart including whole bamboo struts inside one metre apart and 2 nos. of purlinat top and bottom fitted with vertical struts at 1500 mm apart and filling withbrushwood or jungle wood inside the spur complete as per drawing and technicalspecifications. |
| 90.      | Close bamboo walling of 65mm to          | M    | 747.45   | 1        | 58.5R             | <b>Providing close bamboo toe walling</b> consisting of   |



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| Item No.   | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|--|---|------|-----------|----------|-------------------|---|
|  | 75mm dia                                |      |           |          |                   | 65mm to 75mm diambamboos of length ranging from 1.2 m to 3m driven at 150 mm centre to centre and provided with three horizontal split bamboo runner fixed with nails. All bamboos to be duly protected by coal tar painting.   |
| 100.   | Double timber spur with two rows        | M    | 26,630.00 | 1        | 58.6R             | <b>Double timber spur with two rows at 800mm c/c apart of 1st class local wood piles with timber of Azar/Nahar/Nageswar/Zarul</b> wood 150 mm to 200 mm dia driven 2000 mm minimum below ground and 3600 mm above ground average placed at 800 mm belts, bracings etc. of 100 mm x 75 mm size 1st class local wood longitudinally & crosswise at ends fitted with 10 mm dia bolts and nut set etc. including coal tarring of timber members and cost of necessary bamboo stagings etc. as directed by the Engineer as per drawing and technical specifications. |
| 110.   | Supplying and filling hollows of timber | M    | 148.00    | 1        | 58.7R             | Supplying and filling up hollows of the timber spur to an average height of 3600 mm above ground with jungle wood branches as per drawing and technical specifications as directed by the Engineer.   |
| <b><u>39 A : (With F-R) Quarry Materials for MMC</u></b> |   |      |           |          |                   |   |
| <b><u>39.A.01 : CHANDMARI</u></b>                        |   |      |           |          |                   |   |
| 10.  | Supply of Local bricks- First Class     | NO   | 11.55     | 1        | NMRM-0001(CHN)    | Supply of <b>Local bricks</b> - First Class   |
| 20.  | Supply of Full size jhama Bricks        | NO   | 10.64     | 1        | NMRM-0002(CHN)    | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 30.      | Boulder(225mm - 150mm)                  | M3   | 2,011.59 | 1        | NMRM-0003(CHN)   | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.      | Boulder(150mm - 100mm)                  | M3   | 2,080.24 | 1        | NMRM-0004(CHN)   | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.      | Gravel (65mm graded down to 25mm)       | M3   | 2,002.04 | 1        | NMRM-0005(CHN)   | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,508.33 | 1        | NMRM-0008(CHN)   | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,669.69 | 1        | NMRM-0009(CHN)   | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,603.49 | 1        | NMRM-0010(CHN)   | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,968.04 | 1        | NMRM-0015(CHN)   | Supply of Broken stone-Boulder broken 25mm graded down to 12mm, hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 2,136.59 | 1        | NMRM-0016(CHN)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 43.00    | 1        | NMRM-0017(CHN)   | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 45.25    | 1        | NMRM-            | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          | 0018(CHN)        | from knots & cracks.   |
| 130.     | Jati Bamboo matured.                     | PHP  | 15,836.60 | 1        | NMRM-0019(CHN)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 25,036.60 | 1        | NMRM-0020(CHN)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 190.86    | 1        | NMRM-0021(CHN)   | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.73     | 1        | NMRM-0022(CHN)   | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 318.09    | 1        | NMRM-0023(CHN)   | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(CHN)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.74     | 1        | NMRM-0025(CHN)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,336.65  | 1        | NMRM-0026(CHN)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.     | Jhama bricks bats.                       | M3   | 2,197.85  | 1        | NMRM-0027(CHN)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                          |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,603.49  | 1        | NMRM-0031(CHN)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,669.69  | 1        | NMRM-0032(CHN)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                    |
| 240.     | Broken stone-Boulder                     | M3   | 2,910.54  | 1        | NMRM-            | Supply of broken stone-Boulder broken(18mm graded -  |

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| Item No.                               | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|--|---|------|----------|----------|-------------------|---|
|  | broken(18mm-10mm)                       |      |          |          | 0034(CHN)         | down to 10mm) heard & clean   |
| <b>39.A.02 : DIGBOI/ MAKUM/ HAPJAN</b> |   |      |          |          |                   |   |
| 10.                                    | Supply of Local bricks- First Class     | NO   | 11.85    | 1        | NMRM-0001(D/M/H)  | Supply of <b>Local bricks</b> - First Class   |
| 20.                                    | Supply of Full size jhama Bricks        | NO   | 10.64    | 1        | NMRM-0002(D/M/H)  | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.                                    | Boulder(225mm - 150mm)                  | M3   | 1,977.50 | 1        | NMRM-0003(D/M/H)  | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.                                    | Boulder(150mm - 100mm)                  | M3   | 2,022.16 | 1        | NMRM-0004(D/M/H)  | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.                                    | Gravel (65mm graded down to 25mm)       | M3   | 1,943.96 | 1        | NMRM-0005(D/M/H)  | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.                                    | Supply of Sand Shingle.                 | M3   | 1,472.40 | 1        | NMRM-0008(D/M/H)  | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.                                    | Supply of Granular materials.           | M3   | 1,611.61 | 1        | NMRM-0009(D/M/H)  | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.                                    | Supply of Hand broken stone (63mm-45mm) | M3   | 2,545.41 | 1        | NMRM-0010(D/M/H)  | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.                                    | Broken stone (Boulder broken            | M3   | 2,909.96 | 1        | NMRM-             | Supply of Broken stone-Boulder broken   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          | 25mm-12mm)                               |      |           |          | 0015(D/M/H)      | (25mm graded down to 12mm), hard and clean.  |
| 100.     | Broken stone-Boulder broken(06mm-02mm)   | M3   | 2,078.51  | 1        | NMRM-0016(D/M/H) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .                           |
| 110.     | 1st class Hollock timber (Scantling)     | DM3  | 43.00     | 1        | NMRM-0017(D/M/H) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.                  |
| 120.     | 1st class Hollock timber (Planks)        | DM3  | 45.25     | 1        | NMRM-0018(D/M/H) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                     | PHP  | 16,387.22 | 1        | NMRM-0019(D/M/H) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 25,587.22 | 1        | NMRM-0020(D/M/H) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 190.86    | 1        | NMRM-0021(D/M/H) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.73     | 1        | NMRM-0022(D/M/H) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 318.09    | 1        | NMRM-0023(D/M/H) | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(D/M/H) | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber 1st class(Tita chapa).            | DM3  | 76.74     | 1        | NMRM-0025(D/M/H) | Supply of Timber 1st class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,292.60  | 1        | NMRM-0026(D/M/H) | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.     | Jhama bricks bats.                       | M3   | 2,290.05  | 1        | NMRM-            | Supply of <b>Jhama bricks bats</b> -each bat not smaller then  |

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| Item No.  | Description                            | Unit | Rate     | Per Unit | Schedule Line No.  | Detail Description   |
|---|--|------|----------|----------|--------------------|--|
|   |  |      |          |          | 0027(D/M/H)        | 1/3 of a full brick  |
| 220.  | Broken stone-Boulder broken(12mm-06mm) | M3   | 2,545.41 | 1        | NMRM-0031(D/M/H)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.  | Supply of Stone Dust.                  | M3   | 1,611.61 | 1        | NMRM-0032(D/M/H)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.  |
| 240.  | Broken stone-Boulder broken(18mm-10mm) | M3   | 2,852.46 | 1        | NMRM-0034(D/M/H)   | Broken stone (Boulder broken 18mm Graded down to 10mm) hard & clean  |
| <b>39.A.03 : DIKOM/ KATHALONI/ TENGAKHAT/ RAJGARH/ DE</b> |  |      |          |          |                    |  |
| 10.   | Supply of Local bricks- First Class    | NO   | 11.74    | 1        | NMRM-0001(DKM/K/T) | Supply of <b>Local bricks</b> - First Class  |
| 20.   | Supply of Full size jhama Bricks       | NO   | 9.98     | 1        | NMRM-0002(DKM/K/T) | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)   |
| 30.   | Boulder(225mm - 150mm)                 | M3   | 1,909.30 | 1        | NMRM-0003(DKM/K/T) | Supply of Boulder-225mm graded down to 150mm-hard and clean  |
| 40.   | Boulder(150mm - 100mm)                 | M3   | 1,954.20 | 1        | NMRM-0004(DKM/K/T) | Supply of Boulder-150mm graded down to 100mm-hard and clean  |
| 50.   | Gravel (65mm graded down to 25mm)      | M3   | 1,876.00 | 1        | NMRM-0005(DKM/K/T) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials   |
| 60.   | Supply of Sand Shingle.                | M3   | 1,400.55 | 1        | NMRM-0008(DKM/K/T) | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc. |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No.   | Detail Description  |
|----------|---|------|-----------|----------|--------------------|---|
| 70.      | Supply of Granular materials.           | M3   | 1,543.65  | 1        | NMRM-0009(DKM/K/T) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,477.45  | 1        | NMRM-0010(DKM/K/T) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,842.00  | 1        | NMRM-0015(DKM/K/T) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 2,010.55  | 1        | NMRM-0016(DKM/K/T) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 42.62     | 1        | NMRM-0017(DKM/K/T) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 44.85     | 1        | NMRM-0018(DKM/K/T) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Jati Bamboo matured.                    | PHP  | 15,616.36 | 1        | NMRM-0019(DKM/K/T) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long   |
| 140.     | Bhaluka Bamboo matured.                 | PHP  | 24,816.36 | 1        | NMRM-0020(DKM/K/T) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots  |
| 150.     | Bamboo mat(2m x 1.2m)                   | EA   | 189.03    | 1        | NMRM-              | Bamboo mat(2m x 1.2m)   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No.   | Detail Description   |
|----------|--|------|----------|----------|--------------------|--|
|          |  |      |          |          | 0021(DKM/K/T)      |  |
| 160.     | Timber for shuttering.                   | DM3  | 24.50    | 1        | NMRM-0022(DKM/K/T) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 315.06   | 1        | NMRM-0023(DKM/K/T) | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41 | 1        | NMRM-0024(DKM/K/T) | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.06    | 1        | NMRM-0025(DKM/K/T) | Supply of Timber Ist class( <b><u>Tita chapa</u></b> ),free from knots and weak spots.                           |
| 200.     | Sand for general use.                    | M3   | 1,351.94 | 1        | NMRM-0026(DKM/K/T) | Supply of <b><u>Sand</u></b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.     | Jhama bricks bats.                       | M3   | 2,474.45 | 1        | NMRM-0027(DKM/K/T) | Supply of <b><u>Jhama bricks bats</u></b> -each bat not smaller then 1/3 of a full brick                         |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,477.45 | 1        | NMRM-0031(DKM/K/T) | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,543.65 | 1        | NMRM-0032(DKM/K/T) | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                          |



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| Item No.                           | Description                             | Unit | Rate     | Per Unit | Schudle Line No.   | Detail Description  |
|------------------------------------|---|------|----------|----------|--------------------|---|
| 240.                               | Broken stone-Boulder broken(18mm-10mm)  | M3   | 2,784.50 | 1        | NMRM-0034(DKM/K/T) | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean   |
| <b>39.A.04 : DOOMDUMA/ BAGHJAN</b> |   |      |          |          |                    |   |
| 10.                                | Supply of Local bricks- First Class     | NO   | 12.26    | 1        | NMRM-0001(DUM/B)   | Supply of <b>Local bricks</b> - First Class   |
| 20.                                | Supply of Full size jhama Bricks        | NO   | 11.20    | 1        | NMRM-0002(DUM/B)   | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.                                | Boulder(225mm - 150mm)                  | M3   | 2,182.07 | 1        | NMRM-0003(DUM/B)   | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.                                | Boulder(150mm - 100mm)                  | M3   | 2,233.19 | 1        | NMRM-0004(DUM/B)   | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.                                | Gravel (65mm graded down to 25mm)       | M3   | 2,154.99 | 1        | NMRM-0005(DUM/B)   | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.                                | Supply of Sand Shingle.                 | M3   | 1,687.96 | 1        | NMRM-0008(DUM/B)   | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.    |
| 70.                                | Supply of Granular materials.           | M3   | 1,822.64 | 1        | NMRM-0009(DUM/B)   | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.    |
| 80.                                | Supply of Hand broken stone (63mm-45mm) | M3   | 2,756.44 | 1        | NMRM-0010(DUM/B)   | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          |                  | matters( <b>63mm to 45mm graded</b> )  |
| 90.      | Broken stone (Boulder broken 25mm-12mm)  | M3   | 3,120.99  | 1        | NMRM-0015(DUM/B) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.                          |
| 100.     | Broken stone-Boulder broken(06mm-02mm)   | M3   | 2,289.54  | 1        | NMRM-0016(DUM/B) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .                           |
| 110.     | 1st class Hollock timber (Scantling)     | DM3  | 43.00     | 1        | NMRM-0017(DUM/B) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.                  |
| 120.     | 1st class Hollock timber (Planks)        | DM3  | 45.25     | 1        | NMRM-0018(DUM/B) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                     | PHP  | 17,047.97 | 1        | NMRM-0019(DUM/B) | Supply of <u>Jati Bamboo</u> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 26,247.97 | 1        | NMRM-0020(DUM/B) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 190.86    | 1        | NMRM-0021(DUM/B) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.73     | 1        | NMRM-0022(DUM/B) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 318.09    | 1        | NMRM-0023(DUM/B) | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(DUM/B) | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.74     | 1        | NMRM-0025(DUM/B) | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,290.76  | 1        | NMRM-            | Supply of <b>Sand</b> for general use with normal moisture   |

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| Item No.                                    | Description                            | Unit | Rate     | Per Unit | Schudle Line No.    | Detail Description   |
|---|--|------|----------|----------|---------------------|--|
|   |  |      |          |          | 0026(DUM/B)         | content to be clean and free from clay rubbish   |
| 210.  | Jhama bricks bats.                     | M3   | 2,751.04 | 1        | NMRM-0027(DUM/B)    | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick        |
| 220.  | Broken stone-Boulder broken(12mm-06mm) | M3   | 2,756.44 | 1        | NMRM-0031(DUM/B)    | Supply of Broken stone (Boulder broken 12 mm to 6 mm)                                    |
| 230.  | Supply of Stone Dust.                  | M3   | 1,822.64 | 1        | NMRM-0032(DUM/B)    | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.  |
| 240.  | Broken stone-Boulder broken(18mm-10mm) | M3   | 3,063.49 | 1        | NMRM-0034(DUM/B)    | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean          |
| <b>39.A.05 : JORAJAN/ SHALMARI/ TINIALI</b> |  |      |          |          |                     |  |
| 10.   | Supply of Local bricks- First Class    | NO   | 11.82    | 1        | NMRM-0001(J/S/TIN ) | Supply of <b>Local bricks</b> - First Class  |
| 20.   | Supply of Full size jhama Bricks       | NO   | 10.17    | 1        | NMRM-0002(J/S/TIN ) | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)     |
| 30.   | Boulder(225mm - 150mm)                 | M3   | 1,909.30 | 1        | NMRM-0003(J/S/TIN ) | Supply of Boulder-225mm graded down to 150mm-hard and clean                              |
| 40.   | Boulder(150mm - 100mm)                 | M3   | 1,957.88 | 1        | NMRM-0004(J/S/TIN ) | Supply of Boulder-150mm graded down to 100mm-hard and clean                              |
| 50.   | Gravel (65mm graded down to 25mm)      | M3   | 1,879.68 | 1        | NMRM-0005(J/S/TIN ) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials |
| 60.   | Supply of Sand Shingle.                | M3   | 1,305.71 | 1        | NMRM-               | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40                            |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No.    | Detail Description  |
|----------|---|------|-----------|----------|---------------------|---|
|          |   |      |           |          | 0008(J/S/TIN )      | to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,547.33  | 1        | NMRM-0009(J/S/TIN ) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,481.13  | 1        | NMRM-0010(J/S/TIN ) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,845.68  | 1        | NMRM-0015(J/S/TIN ) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 2,014.23  | 1        | NMRM-0016(J/S/TIN ) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 42.62     | 1        | NMRM-0017(J/S/TIN ) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 44.85     | 1        | NMRM-0018(J/S/TIN ) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Jati Bamboo matured.                    | PHP  | 16,203.68 | 1        | NMRM-0019(J/S/TIN ) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long   |
| 140.     | Bhaluka Bamboo matured.                 | PHP  | 25,403.68 | 1        | NMRM-0020(J/S/TIN ) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No.   | Detail Description   |
|----------|--|------|----------|----------|--------------------|--|
|          |  |      |          |          | )                  |  |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 189.03   | 1        | NMRM-0021(J/S/TIN) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.50    | 1        | NMRM-0022(J/S/TIN) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 315.06   | 1        | NMRM-0023(J/S/TIN) | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41 | 1        | NMRM-0024(J/S/TIN) | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.06    | 1        | NMRM-0025(J/S/TIN) | Supply of Timber Ist class( <b><u>Tita chapa</u></b> ),free from knots and weak spots.                           |
| 200.     | Sand for general use.                    | M3   | 1,137.81 | 1        | NMRM-0026(J/S/TIN) | Supply of <b><u>Sand</u></b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.     | Jhama bricks bats.                       | M3   | 2,843.24 | 1        | NMRM-0027(J/S/TIN) | Supply of <b><u>Jhama bricks bats</u></b> -each bat not smaller then 1/3 of a full brick                         |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,481.13 | 1        | NMRM-0031(J/S/TIN) | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,547.33 | 1        | NMRM-              | Supply of Stone crusher dust finer than 3mm with not   |

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| Item No.               | Description                            | Unit | Rate     | Per Unit | Schedule Line No.   | Detail Description   |
|------------------------|--|------|----------|----------|---------------------|--|
|                        |  |      |          |          | 0032(J/S/TIN )      | more than 10% passing 0.075 sieve.   |
| 240.                   | Broken stone-Boulder broken(18mm-10mm) | M3   | 2,788.18 | 1        | NMRM-0034(J/S/TIN ) | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean  |
| <b>39.A.06 : MORAN</b> |  |      |          |          |                     |  |
| 10.                    | Supply of Local bricks- First Class    | NO   | 11.23    | 1        | NMRM-0001(MRN)      | Supply of <b>Local bricks</b> - First Class  |
| 20.                    | Supply of Full size jhama Bricks       | NO   | 9.24     | 1        | NMRM-0002(MRN)      | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)   |
| 30.                    | Boulder(225mm - 150mm)                 | M3   | 1,977.50 | 1        | NMRM-0003(MRN)      | Supply of Boulder-225mm graded down to 150mm-hard and clean  |
| 40.                    | Boulder(150mm - 100mm)                 | M3   | 2,003.76 | 1        | NMRM-0004(MRN)      | Supply of Boulder-150mm graded down to 100mm-hard and clean  |
| 50.                    | Gravel (65mm graded down to 25mm)      | M3   | 1,925.56 | 1        | NMRM-0005(MRN)      | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials   |
| 60.                    | Supply of Sand Shingle.                | M3   | 1,472.40 | 1        | NMRM-0008(MRN)      | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc. |
| 70.                    | Supply of Granular materials.          | M3   | 1,593.21 | 1        | NMRM-0009(MRN)      | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed. |
| 80.                    | Supply of Hand broken stone            | M3   | 2,527.01 | 1        | NMRM-               | Supply of <b>Hand broken hard stone metal</b> from river   |

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|----------|--|------|-----------|----------|------------------|--|
|          | (63mm-45mm)                              |      |           |          | 0010(MRN)        | boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm)  | M3   | 2,891.56  | 1        | NMRM-0015(MRN)   | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.  |
| 100.     | Broken stone-Boulder broken(06mm-02mm)   | M3   | 2,060.11  | 1        | NMRM-0016(MRN)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .   |
| 110.     | 1st class Hollock timber (Scantling)     | DM3  | 42.62     | 1        | NMRM-0017(MRN)   | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.  |
| 120.     | 1st class Hollock timber (Planks)        | DM3  | 44.85     | 1        | NMRM-0018(MRN)   | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.   |
| 130.     | Jati Bamboo matured.                     | PHP  | 15,653.06 | 1        | NMRM-0019(MRN)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long  |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 24,853.06 | 1        | NMRM-0020(MRN)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots                               |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 189.03    | 1        | NMRM-0021(MRN)   | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.50     | 1        | NMRM-0022(MRN)   | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 315.06    | 1        | NMRM-0023(MRN)   | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41  | 1        | NMRM-0024(MRN)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.06     | 1        | NMRM-0025(MRN)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.  |

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| Item No.                   | Description                            | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------------------------|--|------|----------|----------|------------------|--|
| 200.                       | Sand for general use.                  | M3   | 1,594.82 | 1        | NMRM-0026(MRN)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish            |
| 210.                       | Jhama bricks bats.                     | M3   | 2,020.12 | 1        | NMRM-0027(MRN)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                                    |
| 220.                       | Broken stone-Boulder broken(12mm-06mm) | M3   | 2,527.01 | 1        | NMRM-0031(MRN)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.                       | Supply of Stone Dust.                  | M3   | 1,593.21 | 1        | NMRM-0032(MRN)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                              |
| 240.                       | Broken stone-Boulder broken(18mm-10mm) | M3   | 2,834.06 | 1        | NMRM-0034(MRN)   | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean                                      |
| <b>39.A.07 : NHK (N/S)</b> |  |      |          |          |                  |  |
| 10.                        | Supply of Local bricks- First Class    | NO   | 11.74    | 1        | NMRM-0001(NHK)   | Supply of <b>Local bricks</b> - First Class  |
| 20.                        | Supply of Full size jhama Bricks       | NO   | 10.27    | 1        | NMRM-0002(NHK)   | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)                                 |
| 30.                        | Boulder(225mm - 150mm)                 | M3   | 1,704.72 | 1        | NMRM-0003(NHK)   | Supply of Boulder-225mm graded down to 150mm-hard and clean  |
| 40.                        | Boulder(150mm - 100mm)                 | M3   | 1,774.34 | 1        | NMRM-0004(NHK)   | Supply of Boulder-150mm graded down to 100mm-hard and clean  |
| 50.                        | Gravel (65mm graded down to 25mm)      | M3   | 1,696.14 | 1        | NMRM-0005(NHK)   | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials                             |
| 60.                        | Supply of Sand Shingle.                | M3   | 1,184.98 | 1        | NMRM-0008(NHK)   | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean |



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| Item No. | Description                             | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|-----------|----------|------------------|---|
|          |   |      |           |          |                  | and free from clay and rubbish etc.   |
| 70.      | Supply of Granular materials.           | M3   | 1,363.79  | 1        | NMRM-0009(NHK)   | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,297.59  | 1        | NMRM-0010(NHK)   | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,662.14  | 1        | NMRM-0015(NHK)   | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 1,830.69  | 1        | NMRM-0016(NHK)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 42.62     | 1        | NMRM-0017(NHK)   | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 44.85     | 1        | NMRM-0018(NHK)   | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Jati Bamboo matured.                    | PHP  | 15,653.06 | 1        | NMRM-0019(NHK)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long   |
| 140.     | Bhaluka Bamboo matured.                 | PHP  | 24,853.06 | 1        | NMRM-0020(NHK)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots  |
| 150.     | Bamboo mat(2m x 1.2m)                   | EA   | 189.03    | 1        | NMRM-0021(NHK)   | Bamboo mat(2m x 1.2m)   |
| 160.     | Timber for shuttering.                  | DM3  | 24.50     | 1        | NMRM-0022(NHK)   | Supply of Timber for shuttering   |
| 170.     | Bamboo mat(2m x 2m).                    | EA   | 315.06    | 1        | NMRM-            | Supply of Bamboo mat(2m x 2m)   |

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| Item No.                         | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------------------------------|--|------|----------|----------|------------------|--|
|                                  |  |      |          |          | 0023(NHK)        |  |
| 180.                             | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41 | 1        | NMRM-0024(NHK)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.                             | Timber Ist class(Tita chapa).            | DM3  | 76.06    | 1        | NMRM-0025(NHK)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.  |
| 200.                             | Sand for general use.                    | M3   | 1,105.38 | 1        | NMRM-0026(NHK)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.                             | Jhama bricks bats.                       | M3   | 2,290.05 | 1        | NMRM-0027(NHK)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick  |
| 220.                             | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,297.59 | 1        | NMRM-0031(NHK)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.                             | Supply of Stone Dust.                    | M3   | 1,363.79 | 1        | NMRM-0032(NHK)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.  |
| 240.                             | Broken stone-Boulder broken(18mm-10mm)   | M3   | 2,604.64 | 1        | NMRM-0034(NHK)   | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean  |
| <b>40 : COMPOSITE ITEMS CPWD</b> |  |      |          |          |                  |  |
| 10.                              | Anodised Aluminium work-D/W/V/Partition  | KG   | 379.61   | 1        | 40.C:21.1.1.1    | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For fixed portion with Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)   |
| 20.      | Powder Coated Alumn Wrk-D/W/V/Partition  | KG   | 408.88 | 1        | 40.C-21.1.1.2     | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For fixed portion with Powder coated aluminium (minimum thickness of powder coating 50 micron) |
| 30.      | Polyester Coatd Alumn wk D/W/V/Partition | KG   | 416.20 | 1        | 40.C:21.1.1.3     | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard   |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For fixed portion with Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) |
| 40.      | Anodised Alum Wrk shutter D/W/V/Partition | KG   | 454.09 | 1        | 40.C:21.1.2.1    | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural   |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).with Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)   |
| 50.      | Powder Coat Alumn - ShutterD/W/V/Partn. | KG   | 483.95 | 1        | 40.C:21.1.2.2     | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | separately).Powder coated aluminium (minimum thickness of powder coating 50 micron)  |
| 60.      | Poly. Coated Alumn Wrk Shutter D/W/V/P | KG   | 491.42 | 1        | 40.C:21.1.2.3    | :Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing and panelling to be paid for separately):For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately). Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) |
| 70.      | Prelam Brd Partition-decorative-1Side  | M2   | 857.78 | 1        | 40.C:21.2.1      | :Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle  |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.  |
| 80.      | Prelam Brd Partition-2 side decorative   | M2   | 838.26   | 1        | 40.C:21.2.2      | :Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-Charge.Pre-laminated particle board with decorative lamination on both sides. |
| 90.      | Glazing ALMN-float glass pane 4.0 mm thk | M2   | 838.17   | 1        | 40.C:21.3.1      | :Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0mm thickness.   |
| 100.     | Glazing ALMN-float glass pane5.5 mm thk  | M2   | 1,106.31 | 1        | 40.C:21.3.2      | :Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and   |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5.50mm thickness   |
| 110.     | GlazingALMN-float glass pane 8 mm thk   | M2   | 1,253.40 | 1        | 40.C:21.3.3      | :Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 8mm thickness  |
| 120.     | Hydraulic Floor Sprng-SS cover Plate    | EA   | 2,217.19 | 1        | 40.C:21.4.1      | :Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-Charge.With stainless steel cover plate . |
| 130.     | Hydraulic Floor Sprng-Bruss cover Plate | EA   | 2,333.34 | 1        | 40.C:21.4.2      | :Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-Charge.With brass cover plate .           |



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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 140.     | Powder Coat Alumn Frame Wrk for Ceiling | KG   | 586.03 | 1        | 40.C:21.5         | :Providing and fixing powder coated aluminium work (minimum thickness of powder coating 50 micron) consisting of tee / angle sections, of approved make conforming to IS : 733 in frames of false ceiling including aluminium angle cleats with necessary C.P. brass / stainless steel sunk screws, aluminium perimeter angles fixed to wall with rawl plugs @ 450mm centre to centre and fixing the frame work to G.I. level adjusting hangers 6mm dia. with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the Engineer-in-Charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately). |
| 150.     | 6 mm dia. G.I. level adjusting hangers  | EA   | 60.81  | 1        | 40.C:21.6         | :Providing and fixing 6mm dia. G.I. level adjusting hangers (upto 1200mm length) fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40x3mm size 60mm long and expansion hold fasteners 12.5mm dia. 40mm long complete as per direction of Engineer-in-Charge.   |
| 160.     | Anodised Alumn. Covering -expansion Jnt | KG   | 525.77 | 1        | 40.C:21.7.1       | Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceilings with full threaded, cadmium plated steel screws 4mm dia. stem, 30mm long and aluminium washers 2mm thick, 15mm dia. at a staggered pitch of 200mm centre to centre including  |

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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) .   |
| 170.     | Powdered Aluminium Covering - expansion Jnt | KG   | 555.04 | 1        | 40.C:21.7.2      | : Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceilings with full threaded, cadmium plated steel screws 4mm dia. stem, 30mm long and aluminium washers 2mm thick, 15mm dia. at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. Powder coated aluminium sheet 2.5mm thick (minimum thickness of powder coating 50 micron) . |
| 180.     | Gap Filling silicon sealant -5mm depth      | M    | 78.98  | 1        | 40.C:21.8.1      | : Filling the gap in between aluminium frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-Charge complete. Upto 5mm depth and 5mm width.   |
| 190.     | Extra for Adl Anodic coating-fixed          | KG   | 10.45  | 1        | 40.C:21.9.1      | : Extra for applying additional anodic coating AC 25 instead  |

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|----------|--|------|----------|----------|------------------|--|
|          | portn                                    |      |          |          |                  | of AC 15 to aluminium extruded sections.For fixed portion .  |
| 200.     | Extra For AddlAnodicCoating-shutter      | KG   | 10.45    | 1        | 40.C:21.9.2      | :Extra for applying additional anodic coating AC 25 instead of AC 15 to aluminium extruded sections.For shutters of doors, windows & ventilators.  |
| 210.     | HermeticallySealedGlazing -W/V/partition | M2   | 3,895.75 | 1        | 40.C:21.10       | :Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6mm thick clear float glass both side having 12mm air gap including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-Charge complete. |
| 220.     | StainlessStlAdjustStaysSdeHung W205X19mm | EA   | 273.65   | 1        | 40.C:21.11.1     | :Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.205 X 19mm  |
| 230.     | StainlessStlAdjustStays-SdeHungW255X19mm | EA   | 308.50   | 1        | 40.C:21.11.2     | :Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.255 X 19mm  |

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|----------|--|------|----------|----------|-------------------|---|
| 240.     | StainlessStlAdjustStays-SdehungW355X19mm | EA   | 258.55   | 1        | 40.C:21.11.3      | :Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete.355 X 19mm |
| 250.     | StainlessStlAdjustStays-SdehungW510X19mm | EA   | 647.66   | 1        | 40.C:21.11.4      | :Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete. 510X19mm  |
| 260.     | StainlessStlAdjustStays-SdehungW710X19mm | EA   | 1,199.37 | 1        | 40.C:21.11.5      | :Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-Charge complete. 710X19mm. |
| 270.     | Anodized(AC15)aluminiumTubularHandle bar | EA   | 467.34   | 1        | 40.C:21.12.1      | :Providing and fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Anodized (AC 15 ) aluminium tubular handle bar .                         |
| 280.     | PowderCoatdAluminiumTubularHandle bar.   | EA   | 512.89   | 1        | 40.C:21.12.2      | :Providing and fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Powder   |

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|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | coated minimum thickness 50 micron aluminium tubular handle bar.  |
| 290.     | Polystyrene Coated Minimum Aluminium Tubular Handle | EA   | 524.28 | 1        | 40.C:21.12.3      | :Providing and fixing aluminium tubular handle bar 32mm outer dia, 3.0mm thick & 2100mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar.  |
| 300.     | 100mm brass locks for aluminium doors               | EA   | 394.67 | 1        | 40.C:21.13        | :Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.  |
| 310.     | Anodised Aluminium Sub frame work for W/V           | KG   | 322.18 | 1        | 40.C:21.14        | :Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS : 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS : 733 and IS : 1285 fixed with rawl plugs and stainless steel screws etc. |
| 320.     | Aluminium Casement Windows Fastener- Anodized       | EA   | 71.68  | 1        | 40.C:21.15.1      | :Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Anodized (AC 15) aluminium .  |
| 330.     | Aluminium Casement Windows Fastener-                | EA   | 78.65  | 1        | 40.C:21.15.2      | :Providing and fixing aluminium casement windows  |

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|----------|--|------|--------|----------|-------------------|---|
|          | PowdrCoat                                |      |        |          |                   | fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium.   |
| 340.     | AlumnCasementWindowsFastener-PolyesterCt | EA   | 76.33  | 1        | 40.C:21.15.3      | :Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium.    |
| 350.     | Aluminium round handle-100mm Anodized    | EA   | 86.78  | 1        | 40.C:21.16.1      | :Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminium .                                   |
| 360.     | Alumn Round Handle -100mm Powder coatd   | EA   | 87.94  | 1        | 40.C:21.16.2      | :Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Powder coated minimum thickfness 50 micron aluminium .         |
| 370.     | Alumn Round Handle-Poly. Powder Coated   | EA   | 90.27  | 1        | 40.C:21.16.3      | :Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-Charge. Polyester powder coated minimum thickness 50 micron aluminium. |
| 380.     | P/F anodized Aluminium grill             | KG   | 495.60 | 1        | 40.C:21.17        | Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of  |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment). |
| 390.     | P/F 12mm thk toughened glass            | M2   | 5,133.56 | 1        | 40.C:21.18        | "Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately"  |
| 400.     | Insul. Brd Ceiling-12mm NaturalColour   | M2   | 646.20   | 1        | 40.C:12.24.1.1    | :Providing and Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):Natural colour insulating board- - 12 mm thick   |
| 410.     | Insulating Brd Ceiling- 12mm White Face | M2   | 680.70   | 1        | 40.C:12.24.2.1    | :Providing and Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):White face insulating board- 12 mm   |

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|----------|---|------|--------|----------|-------------------|--|
|          |   |      |        |          |                   | thick  |
| 420.     | Insul. Brd Ceiling-12mm Flame Retardant           | M2   | 807.18 | 1        | 40.C:12.24.3.1    | :Providing and Fixing insulating board ceiling of approved quality with necessary nails etc. complete (framework to be paid separately):flame retardant face insulating board-12 mm thick.                                       |
| 430.     | 12 mm thick Particle board in ceiling             | M2   | 765.61 | 1        | 40.C:12.25.1      | :Providing and fixing flat pressed 3 layer medium density particle board or graded particle board (Grade I) IS: 3087 marked in ceiling with necessary nails etc. complete (frame work to be paid separately):12 mm thick         |
| 440.     | Multi Purpose Cement Brd Ceiling 6mm              | M2   | 644.24 | 1        | 40.C:12.26.1      | :Providing and fixing plain multipurpose cement board (high pressure steam cured ) as per IS 14862: 2000 with suitable fibre cement screw in ceiling etc complete, (frame work to be paid separately ).- 6 mm thick cement board |
| 450.     | Extra for Cutting in Ceiling with 20mm Plank      | M    | 505.85 | 1        | 40.C:12.27.1      | :Extra for Circular cutting and waste in ceiling with: 2nd class teak wood planks 20 mm thick  |
| 460.     | Extra for Cutting in Ceiling for insulating board | M    | 306.46 | 1        | 40.C:12.27.2.1    | :Extra for Circular cutting and waste in ceiling with:Natural colour insulating board-12 mm  |
| 470.     | Extra for Cutting in Ceiling-White face board     | M    | 310.76 | 1        | 40.C:12.27.3.1    | :Extra for Circular cutting and waste in ceiling with:white face insulating board-12 mm  |
|          |   |      |        |          |                   |  |



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|----------|--|------|--------|----------|-------------------|---|
| 480.     | Extra for Cutng in Ceiling-F/retdent brd | M    | 326.49 | 1        | 40.C:12.27.4.1    | :Extra for Circular cutting and waste in ceiling with:Flame retardant face insulating board-12 mm   |
| 490.     | Extra for Cutng in Ceiling- 3mm Std brd  | M    | 292.69 | 1        | 40.C:12.27.5.1    | :Extra for Circular cutting and waste in ceiling with:Standard quality hard board sheet -3 mm thick   |
| 500.     | Extra for Cutng in Ceiling-4.5mm Std brd | M    | 305.42 | 1        | 40.C:12.27.5.2    | :Extra for Circular cutting and waste in ceiling with:Standard quality hard board sheet -4.5 mm thick   |
| 510.     | Extra for Ceiling in narrow curved face  | M2   | 267.84 | 1        | 40.C:12.28        | :Extra for fixing ceiling to curved surfaces in narrow widths   |
| 520.     | False ceiling wrk -12mm tk celing tiles  | M2   |        | 1        | 40.C:12.29        | :Fixing false ceiling with 12 mm thick plain/ semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087 finished with a coat of aluminium primer on both sides & edges and two coats of synthetic enamel paint of approved quality on exposed face fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) T-sections 35 x15x1.5 mm size main runners and cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats.The suspenders shall be placed 600x 1200 mm centre to centre including fixing to the frame with C.P brace screws and applying a priming coat of zinc |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | chromate yellow primer ( aluminium frame work shall be paid separately.)   |
| 530.     | Extra for 3mm translucent sheet ceiling | M2   |          | 1        | 40.C:12.30        | Extra for providing 3 mm thick translucent white acrylic plastic sheets of approved quality in false ceiling instead of 12 mm thick plain or design particle board ceiling tiles.  |
| 540.     | Provide 10mmPoP ceiling upto 5m Ht:Flat | M2   | 1,153.56 | 1        | 40.C:12.31.1      | "Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately) : Flat surfaces<br>" |
| 550.     | Providing 10mmPoP upto 5m Ht: Curved    | M2   | 1,364.90 | 1        | 40.C:12.31.2      | Providing 10 mm thick plaster of Paris (gypsum anhydrous) ceiling up to a height of 5 m above floor level, over first class kail wood strips 25x6 mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately) : Curved surfaces     |
| 560.     | Extra for 10mm PoP ceiling mouldings    | M2   | 391.79   | 1        | 40.C:12.32        | Extra for sunk or raised mouldings in the plaster of Paris (Gypsum anhydrous) ceiling.   |
| 570.     | Extra for PoP ceiling: Height >5m       | M2   | 161.56   | 1        | 40.C:12.33        | Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5metres height from floor level (Note: rate  |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | for every 1m height).   |
| 580.     | P/F underdeck glass wool: 24kg/m3        | M2   | 498.27   | 1        | 40.C:12.34       | Providing fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Fibre glass wool conforming to IS : 8183, density 24kg / m3, 50mm thick, wrapped in 200 G Virgin Polythene bags, fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5 mm x 24 gauge wire mesh, for top most ceiling of building. |
| 590.     | P/F underdeck glass wool: 16kg/m3        | M2   | 218.31   | 1        | 40.C:12.35       | Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 16 kg/m3 , 50 mm thick, wrapped in 200G Virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.   |
| 600.     | P/F Polystyrene insulation:Type N, 50mm  | M2   | 238.28   | 1        | 40.C:12.36.1     | Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge : With Type N - Normal 50 mm thick  |
| 610.     | P/F Polystyrene insulation:Type SE,50mm  | M2   | 263.84   | 1        | 40.C:12.36.2     | Thermal Insulation of roofing with Expanded polystyrene fixed with suitable adhesive to the false ceiling as per the directions of the Engineer-in-charge : With Type SE - Self Extinguishing type 50 mm thick  |
| 620.     | P/F extr. aluminum exp.joint:Floor-100mm | M    | 5,145.99 | 1        | 40.C:5.44.1      | Providing and fixing of expansion joint system related with floor location as per drawings and direction of   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical localtion in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self -centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063.) :Floor Joint of 100 mm gap |
| 630.     | P/F extr. aluminum exp.joint:Floor-150mm | M    | 6,305.16 | 1        | 40.C:5.44.2      | Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded  |

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|----------|--|------|----------|----------|-------------------|---|
|          |  |      |          |          |                   | aluminum base members, self aligning / self centering arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical location in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self -centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063.) :Floor Joint of 150 mm gap |
| 640.     | P/F extr. aluminum exp.joint:Floor-200mm | M    | 8,012.57 | 1        | 40.C:5.44.3       | Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-In-Charge. The joints system will be of extruded aluminum base members, self aligning / self centering   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | arrangement and support plates etc. as per ASTM B221-02. The system shall be such that it provides floor to floor /floor to wall expansion control system for various vertical localtion in load application areas that accommodates multi directional seismic movement without stress to it's components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self -centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement all as per the manufactures design and as approved by Engineer -in-Charge. (Material shall confirm to ASTM 6063.) :Floor Joint of 200 mm gap |
| 650.     | P/F extr. aluminum exp.joint: Wall-100mm | M    | 4,258.60 | 1        | 40.C:5.45.1      | Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM   |

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|          |  |      |          |          |                   | B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063.): Wall Joint of 100 mm gap  |
| 660.     | P/F extr. aluminum exp.joint: Wall-150mm | M    | 4,810.31 | 1        | 40.C:5.45.2       | Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063.): Wall Joint of 150 mm gap |
|          |  |      |          |          |                   |  |

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|----------|---|------|----------|----------|-------------------|--|
| 670.     | P/F extr. aluminum exp.joint:<br>Wall-200mm | M    | 5,551.35 | 1        | 40.C:5.45.3       | Providing and fixing of expansion joint system related with wall joint (internal/external) location as per drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM B221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed aluminum surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall confirm to ASTM 6063.): Wall Joint of 200 mm gap |
| 680.     | P/F extr. aluminum exp.joint:<br>Roof-100mm | M    | 4,813.80 | 1        | 40.C:5.46.1       | Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project   |



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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall conform to ASTM 6063.: Roof Joint of 100 mm gap |
| 690.     | P/F extr. aluminum exp.joint:<br>Roof-150mm | M    | 5,396.87 | 1        | 40.C:5.46.2       | Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base  |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall conform to ASTM 6063.: Roof Joint of 150 mm gap |
| 700.     | P/F extr. aluminum exp.joint:<br>Roof-200mm | M    | 6,399.24 | 1        | 40.C:5.46.3       | Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-In-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM B221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of   |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions and roof treatments. The cover plate shall be designed of width and thickness required to satisfy movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional foot traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall conform to ASTM 6063.: Roof Joint of 200 mm gap |
| 710.     | P/F mirror finish Lining: 18mm Italian marble | M2   | 7,492.98 | 1        | 40.C:8.11         | Providing and fixing machine cut, mirror / eggshell polished, Marble stone work for wall lining (veneer work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all  |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | complete as per Architectural drawings, and as directed by the Engineer-in-Charge. 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.   |
| 720.     | P/F flame finished 18mm granite stone  | M2   | 2,379.45 | 1        | 40.C:8.12        | Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. |
| 730.     | P/F mirr.finsh Floor: Ita.Marble/Plain | M2   | 5,174.39 | 1        | 40.C:11.51       | Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. (a)   |

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|----------|--|------|----------|----------|------------------|---|
|          |  |      |          |          |                  | 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.   |
| 740.     | P/F mirr.finshFloor:<br>Ita.Marble/Pattern | M2   | 5,420.16 | 1        | 40.C:11.52       | Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. (a) 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc. |
| 750.     | P/F Glass mosaaic tiles                    | M2   | 3,079.31 | 1        | 40.C:11.53       | Providing and fixing Glass mosaaic tiles at finished plain wall surface ofsize 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge:  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 760.     | P/F removable raised floor: 300mm FF Ht | M2   | 4,469.69 | 1        | 40.C:11.54.1     | "Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of : (a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25mm outer diameter, fully welded on to the G.I. Base plate of size 100mmx100mmx3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug. (b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor |

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|----------|-------------|------|------|----------|-------------------|---|
|          |             |      |      |          |                   | <p>panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge. (c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip non-combustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-incharge. All specification must be printed on the</p> |

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|          |   |      |          |          |                  | side of the panel to ensure the quality of the product.: 300 mm Finished Floor Height<br>"  |
| 770.     | P/F removable raised floor: 450mm FF Ht | M2   | 4,758.20 | 1        | 40.C:11.54.2     | "Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of : (a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25mm outer diameter, fully welded on to the G.I. Base plate of size 100mmx100mmx3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5mm welded with GI fully threaded stud 16mm outer diameter with two GI Check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with rawl plug. (b) Stringers system in all steel construction hot dipped galvanized of rectangular size 570x20x30x0.80mm thick having holes at both ends for securing the stringers on to the pedestal head using fully threaded screws ensuring maximum lateral stability in all |



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|          |             |      |      |          |                   | <p>directions, the grid formed by the pedestal and stringer assembly shall receive the floor panel, this system shall provide adequate solid, rigid support for access floor panel, the system shall provide a minimum clear uninterrupted clearance between the bottom of the floor for electrical conduits and wiring etc. all complete as per the architectural drawings, as specified and as directed by the Engineer-in-charge. (c) Providing and fixing Access Floor panel of 600x600x32 mm medium grade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip non-combustible Portland cementitious core mixed with lightweight foaming compound. The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm. The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an</p> |

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|          |  |      |          |          |                   | impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of Engineer-in-charge. All specification must be printed on the side of the panel to ensure the quality of the product.: 450 mm Finished Floor Height<br>"  |
| 780.     | P/F tiled False ceiling 8mm perforated | M2   | 1,301.91 | 1        | 40.C:12.58.1      | "Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main ""T"" runner with suitably spaced joints to get required length and of size 24x25 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross ""T"" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main ""T"" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross ""T"" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main ""T"" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash |

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|          |  |      |          |          |                   | fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 8 mm thick fully perforated calcium silicate tile made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm, of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC ( Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing." |
| 790.     | P/F flush finish False ceiling 8mm board | M2   | 1,097.39 | 1        | 40.C:12.59.1      | Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm ( both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other   |

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|          |             |      |      |          |                   | end of angle hanger fixed with intermediate G.I channels 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with: (a) 8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process. |

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|----------|---|------|--------|----------|-------------------|---|
| 800.     | P/F Rockwool Insulation: Topmost Ceiling  | M2   | 468.88 | 1        | 40.C:12.60        | Providing and fixing thermal insulation of ceiling (under deck insulation) with Resin Bonded Rockwool conforming to IS: 8183, density 48 kg/ m3, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to ceiling with metallic cleats (50x50x3 mm) @ 60 cm and wire mesh of 12.5mm x 24 gauge wire mesh, for top most ceiling of building. |
| 810.     | P/F Rockwool Insulation: Existing Ceiling | M2   | 233.64 | 1        | 40.C:12.61        | Providing and fixing thermal insulation with Resin bonded rock wool conforming to IS: 8183, density 48 kg/m3, 50 mm thick, wrapped in 200 G virgin Polythene bags placed over existing false ceiling and held in position by criss-crossing GI wire.  |
| 820.     | P/F Rockwool insulation: Wall             | M2   | 238.91 | 1        | 40.C:12.62        | Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m3, 50 mm thick, wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, rawl plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.                    |
| 830.     | P/applying 2 coats High Albedo paint      | M2   | 263.19 | 1        | 40.C:12.63        | Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance & thermal emittance tested as per ASTM C 1549 and ASTM C 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall strictly as per                               |

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|----------|----------------------------------|------|------|----------|-------------------|--|
|          |                                  |      |      |          |                   | manufacturer's specifications and as approved by engineer In charge. Surface preparation includes cleaning with metal wire brush to remove all dust, fungus etc., washing with water all complete. The contractor shall give guarantee for the performance of SRI and also the durability of coating, all complete as per direction of Engineer-in-charge. |
| 840.     | P/Laying NP3 RCC pipe: 300mm dia | M    |      | 1        | 40.C:19.35.1      | Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 450 mm dia RCC pipes.  |
| 850.     | P/Laying NP3 RCC pipe: 600mm dia | M    |      | 1        | 40.C:19.35.2      | Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 600 mm dia RCC pipes.  |
| 860.     | P/Laying NP3 RCC pipe: 900mm dia | M    |      | 1        | 40.C:19.35.3      | Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 900 mm dia RCC pipes.  |
| 870.     | P/Laying NP3 RCC pipe: 1000mm    | M    |      | 1        | 40.C:19.35.4      | Providing and laying Non Pressure NP-3 class (Medium   |

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|          | dia                               |      |          |          |                   | duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1000 mm dia RCC pipes. (Laying by manual/mechanical means)  |
| 880.     | P/Laying NP3 RCC pipe: 1200mm dia | M    |          | 1        | 40.C:19.35.5      | Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1200 mm dia RCC pipes. (Laying by manual/mechanical means) |
| 890.     | P/Laying NP3 RCC pipe: 1800mm dia | M    |          | 1        | 40.C:19.35.6      | Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1800 mm dia RCC pipes. (Laying by manual/mechanical means) |
| 900.     | P/Laying NP4 RCC pipe: 300mm dia  | M    | 2,401.32 | 1        | 40.C:19.36.1      | Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 450 mm dia RCC pipes.                                       |
| 910.     | P/Laying NP4 RCC pipe: 600mm      | M    | 3,132.31 | 1        | 40.C:19.36.2      | Providing and laying Non Pressure NP-4 class (Heavy  |

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|----------|-----------------------------------|------|-----------|----------|-------------------|---|
|          | dia                               |      |           |          |                   | duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 600 mm dia RCC pipes.  |
| 920.     | P/Laying NP4 RCC pipe: 900mm dia  | M    | 5,915.40  | 1        | 40.C:19.36.3      | Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 900 mm dia RCC pipes.                                      |
| 930.     | P/Laying NP4 RCC pipe: 1000mm dia | M    | 7,333.72  | 1        | 40.C:19.36.4      | Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1000 mm dia RCC pipes. (Laying by manual/mechanical means) |
| 940.     | P/Laying NP4 RCC pipe: 1200mm dia | M    | 8,788.68  | 1        | 40.C:19.36.5      | Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1200 mm dia RCC pipes. (Laying by manual/mechanical means) |
| 950.     | P/Laying NP4 RCC pipe: 1800mm dia | M    | 17,923.44 | 1        | 40.C:19.36.6      | Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff  |



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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 1800 mm dia RCC pipes. (Laying by manual/mechanical means)   |
| 960.     | P/Supplying extruded Al sections        | KG   | 338.24   | 1        | 40.C:26.1         | "Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge.<br>(The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account)." |
| 970.     | Design/Fabric/Fixing structural glazing | M2   | 2,866.10 | 1        | 40.C:26.2         | "Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels including:<br>(a) Structural analysis, design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must pass the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminium sections for fixing   |

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|----------|-------------|------|------|----------|-------------------|---|
|          |             |      |      |          |                   | <p>glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation &amp; drainage and protection against fire hazard including:</p> <p>(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and proper fixing of structural glazing system with the RCC/ masonry/structural steel framework of building structure, using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.</p> <p>(c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment , including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacturer, as per the approved sealant design, within and all around the perimeter for holding glass.</p> <p>(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the</p> |

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| Item No. | Description | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|-------------|------|------|----------|-------------------|--|
|          |             |      |      |          |                   | <p>gap between the building structure and all its interfaces with curtain glazing to make it watertight.</p> <p>(e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&amp;P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design checked and all the shop drawings vetted by the Principals of the structural glazing system. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. ""Note:- 1</p> <p>The cost of providing extruded aluminium frames, shadow</p> |

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|----------|---|------|----------|----------|-------------------|---|
|          |   |      |          |          |                   | boxes, fire stop (barrier)- cum-smoke seals, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub-head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves ) on the external face shall be measured in sqm. up to two decimal places.<br>"  |
| 980.     | P/assembling vision glass panels (IGUs) | M2   | 3,036.09 | 1        | 40.C:26.3         | "Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12-6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer high performance heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.1) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas |

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|----------|---------------------------------------|------|----------|----------|-------------------|--|
|          |                                       |      |          |          |                   | of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.<br>(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc."   |
| 990.     | Extra on 26.3 for openable panels     | M2   | 2,997.55 | 1        | 40.C:26.4         | Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. |
| 1000.    | P/f shadow box for structural glazing | M2   | 1,763.22 | 1        | 40.C:26.5         | Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semirigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick   |

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|          |                                   |      |          |          |                   | having density 48 Kg/cum, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 1 of the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm / sqm, made of randomly oriented glass fibres distributed in a binder by a wet-lay process including fixing 1.5 mm thick solid aluminum sheet backing using, 6 mm thick cement board including SS rivets, nuts, bolts, washers etc complete.   |
| 1010.    | P/supplying Spandrel Glass Panels | M2   | 2,000.41 | 1        | 40.C:26.6         | "Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in- Charge. For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.(Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevant Item*).<br>(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm |

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|          |                                    |      |          |          |                   | Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m2 degree K etc."   |
| 1020.    | Design/fab/installing ACP Cladding | M2   | 4,094.49 | 1        | 40.C:26.7         | <p>"Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:</p> <p>(a) Structural analysis &amp; design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.</p> <p>(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. #</p> |

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|----------|---------------------|------|-------|----------|-------------------|---|
|          |                     |      |       |          |                   | (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. #However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places. "" |
| 1030.    | P/F TMT in RCC Work | KG   | 83.17 | 1        | 40.C:5.22.6       | Providing and Fixing Reinforcement for RCC work including straightening, cutting, bending, placing in position complete. - Upto plinth level Thermo-Mechanically Treated bars of Grade Fe-500 D or more.  |



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| 1040.    | P/F PPGI Sheet        | M2   | 577.67 | 1        | 40.C:12.50        | Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. |
| 1050.    | P/F PPGI Ridges Plain | M    | 404.06 | 1        | 40.C:12.51.1      | Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)   |
| 1060.    | P/F PPGI Barge Board  | M    | 352.55 | 1        | 40.C:12.51.4      | Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm  |

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|          |  |      |        |          |                  | (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Barge board (Upto 300 mm)  |
| 1070.    | P/F PPGI Gutter                          | M    | 962.10 | 1        | 40.C:12.51.6     | Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete P/F precoated galvanised steel sheet roofing accessories: Gutter (600 mm over all girth).   |
| 1080.    | P/Apply 2.5 mm thick road marking strips | M2   | 598.80 | 1        | 40.C:16.62       | Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications. |
| 1090.    | P/F Road Glow Studs                      | EA   | 150.68 | 1        | 40.C:16.50       | Providing and fixing Glow studs of size 100x20 mm made   |

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|   |                                   |      |      |          |                   | of heavy duty body shall be moulded ASA (Acrylic styrene Acrylonitrile ) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base. The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge. |
| <b>41 : CUSTOMISED OIL SPECIFIC ITEMS</b> |                                   |      |      |          |                   |   |
| 10.                                       | Cutting lawn grass & disposal     | M2   | 1.54 | 1        | 41.1.1            | :Cutting lawn grass by dao / sickle/lawnmower close to ground inside fenced area including disposal of the same at a distance of 2 Km or as directed.   |
| 20.                                       | Cutting grass in zones & disposal | M2   | 0.73 | 1        | 41.1.2            | :Cutting grass in zones other than lawn including disposal of the same at a distance of 2 Km or as directed.  |
| 30.                                       | Cutting grass excluding disposal  | M2   | 0.64 | 1        | 41.1.3            | :Cutting grass in zones other than lawn excluding disposal of the same as directed.   |
| 40.                                       | Jungle cutting/removal upto 150mm | M2   | 2.05 | 1        | 41.1.4            | :Jungle cutting and clearing including removal of cut   |

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|          | girth                                   |      |        |          |                   | materials upto 100 m from site, including plants and trees upto 150 mm in girth, jungle cutting considered cut at ground level.  |
| 50.      | Jungle cutting/removal upto 300mm girth | M2   | 2.40   | 1        | 41.1.5            | Jungle cutting and clearing including removal of cut materials upto 100m from site and disposing as directed (all jungle to be cut at ground level).For light jungle including plants and trees upto 300mm girth.<br>: |
| 60.      | Cutting / trimming of tree as directed. | M3   | 146.35 | 1        | 41.2.1            | :Cutting / pruning / trimming of tree branches and stacking at site within 30 m or as directed.  |
| 70.      | Cutting/removing creepers/ wild growth  | M2   | 12.29  | 1        | 41.2.2            | :Cutting, clearing and removing creepers and other wild growth over fencing, wall etc. and disposing the cut materials as directed.  |
| 80.      | Removing wild growth- upto 4m height    | M2   | 18.73  | 1        | 41.2.3            | :Cutting, uprooting & removing wild growth from slab, chajja,wall etc & cleaning properly upto a height of 4m & disposing the cut materials as directed.   |
| 90.      | Removing wild growth- beyond 4m height. | M2   | 20.53  | 1        | 41.2.4            | :Cutting, uprooting & removing wild growth from slab, chajja,wall etc & cleaning properly upto a height beyond 4m & disposing the cut as directed including necessary scaffolding etc.                                 |
| 100.     | Cutting&removing bamboos(Jati/ Bhaluka) | NO   | 14.63  | 1        | 41.3.1            | :Cutting and removing bamboos (Jati / Bhaluka) and stacking them at about 30m. distance away from site of  |

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|----------|---|------|----------|----------|-------------------|--|
|          |   |      |          |          |                   | operation including cutting branches and cleaning the site.  |
| 110.     | Uprooting tree stumps & removing to 30m | EA   | 245.87   | 1        | 41.3.2            | :Uprooting tree stumps and removing them to 30m from site of operation for girth of tree from 300mm upto one metre.  |
| 120.     | Uprooting tree stumps/removing upto 2 m | EA   | 424.16   | 1        | 41.3.3            | :Uprooting tree stumps and removing them to 30m from site of operation for girth of tree from 300mm upto one metre. but for girth of tree over one metre and upto 2 metre.   |
| 130.     | Uprooting tree stumps/removing over 2m  | EA   | 1,015.62 | 1        | 41.3.4            | :Uprooting tree stumps and removing them to 30m from site of operation for girth of tree from 300mm upto one metre. but for girth of tree over one metre and upto 2 metre. , but for girth of tree over 2m and beyond. |
| 140.     | Uprooting bamboo stumps                 | M2   | 1,200.06 | 1        | 41.3.5            | :Uprooting bamboo stumps   |
| 150.     | Maintenance of Comp. Nurseries-A (P-II) | M2   | 6.59     | 1        | 41.4.1            | :Maintenance of Company's Nurseries including propagation of new-seedlings etc. as per specification 'A' (Part-II).  |
| 160.     | Sweeping clearing of dry leaves-road    | M2   | 2.69     | 1        | 41.5.1            | :Sweeping, clearing of dry tree leaves at road side verges in Company's township / Industrial area including removing from site as directed.   |
|          |   |      |          |          |                   |  |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|---|------|----------|----------|-------------------|--|
| 170.     | Large scale spraying of 'Weed Killer'   | HA   | 1,416.86 | 1        | 41.6.1            | :Large scale spraying of 'Weed Killer' (chemicals) with machine / hand sprayers supplied by the Contractor. (Contractor shall be responsible for all ill-effects that may arise to workmen due to mishandling or ignorance in handling of such chemicals).   |
| 180.     | Sand / silt filling in 150mm layers.    | M3   | 200.32   | 1        | 41.7.1            | :Sand / silt filling in 150mm layers, consolidating each layer by ramming and watering in foundation, plinth etc. including carrying upto 30m. away and lift, if any, not exceeding 2m.(Supply of sand will be paid extra)   |
| 190.     | Collect/excvtng sand,soil,silt (MMC)    | M3   | 495.04   | 1        | 41.7.2.A          | :Collecting / excavating sand, soil, silt, ordinary earth from any source, load into lorries, transport it to distant place of work including procuring earth and laying in layer of 150mm thickness and compacting, profile properly made for taking measurement, including all measurable lead upto 30m and lift as required. (The contractor shall be responsible for all formalities of supply of earth such as purchase of land including royalties, monopoly / other statutory taxes as required from any distance.) (FOR MMC, ROYALTY INCLUDED) |
| 200.     | Collect/excvtng sand,soil,silt (TENDER) | M3   | 460.20   | 1        | 41.7.2.B          | :Collecting / excavating sand, soil, silt, ordinary earth from any source, load into lorries, transport it to distant place of work including procuring earth and laying in layer of 150mm thickness and compacting, profile properly made for taking measurement, including all measurable lead   |

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|----------|---|------|--------|----------|------------------|--|
|          |   |      |        |          |                  | upto 30m and lift as required. (The contractor shall be responsible for all formalities of supply of earth such as purchase of land including royalties, monopoly / other statutory taxes as required from any distance.) (FOR TENDER, ROYALTY EXCLUDED) |
| 210.     | Clearing / removing mud etc. upto30m.   | M3   | 826.99 | 1        | 41.8.1           | :Clearing / removing mud, silt, chemicals, bentonites, barytes etc. from steel / R.C.C. tanks, bowzers etc. from field area using acids, solvents etc. including disposing off to a distance of upto 30m.  |
| 220.     | Clearing/removing, mud, silt etc.of 30m | M3   | 497.59 | 1        | 41.8.2           | :Clearing, removing, mud, silt etc. from steel / R.C.C. tanks, bowzers etc. including disposing off to a distance of 30m.  |
| 230.     | Turfing after dressing&grading surface  | M2   | 55.81  | 1        | 41.9.1           | :Turfing after dressing and grading the surface including cutting, removing and transporting sods of size not less than 30cm x 30cm and then fixing at site, watering etc upto 2m height within a distance of 100m.                                      |
| 240.     | Lead on turfing every additional-15m    | M2   | 13.96  | 1        | 41.9.2           | :Lead on turfing for every additional 15m or part thereof over the first 100m applicable to item no. III-1.  |
| 250.     | Trowel finishing concrete surface.      | M2   | 87.96  | 1        | 41.10.1          | :Trowel finishing concrete surface.  |
| 260.     | Cement plaster skirting 25mm th.(1: 3)  | M2   | 446.48 | 1        | 41.10.2          | :Cement plaster skirting 25mm thick in prop. (1 cement : 3 sand) with Red-Oxide Powder thoroughly mixed with cement in required proportion including curing complete.  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|----------|----------|-------------------|--|
| 270.     | Fire brick work with fire clay .         | M3   | 2,319.23 | 1        | 41.11.1           | :Fire brick work with fire clay in interstice joints of average thickness 13mm thick but not more than 20mm thick including preparing fire clay paste.   |
| 280.     | Cutting&dressing bricks wok, fire places | NO   | 20.43    | 1        | 41.11.2           | :Cutting and dressing ordinary bricks for fire- places and arch work etc.  |
| 290.     | Repairing to furnace brick work.         | M3   | 3,292.96 | 1        | 41.11.3           | :Repairing to furnace brick work by dismantling defective work and redoing the same with fire bricks and fire clay after cleaning the old works, hacking etc including removal of debris.                    |
| 300.     | Fire clay plaster upto ht. 1.50m,20mm to | M2   | 167.68   | 1        | 41.11.4           | :20mm to 40mm thick fire clay plaster on walls / floor / ceiling in fire places, boiler etc. upto a height of 1.50m from floor including preparation of fire clay pastes, raking out joints where necessary. |
| 310.     | Fire clay plaster above 1.50m upto 4.0m  | M2   | 189.80   | 1        | 41.11.5           | :20-40mm th. fire clay plaster ht. 1.50m for height beyond 1.50m upto 4.00m including making and removing scaffolding / staging, working platform where necessary.   |
| 320.     | Cutting groove in brick walls.           | M    | 62.56    | 1        | 41.12.1           | :Cutting groove in brick walls for conduit 50mm to 100mm wide and 50mm to 100mm deep as directed.  |
| 330.     | Cutting 75-100mm bk. wall upto           | EA   | 134.89   | 1        | 41.12.2           | :Cutting 75mm to 100mm square hole through 230mm   |



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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          | 1.50m ht.                                 |      |        |          |                   | thick brick wall using chisel and hammer upto 1.50m height for crossing electric wiring, gas or water line etc. and making good with cement mortar after the pipe is laid.  |
| 340.     | Cutting 75-100mm br. wall above 1.50m ht. | EA   | 172.69 | 1        | 41.12.3           | : Cutting 75mm to 100mm square hole through 230mm thick brick wall using chisel and hammer upto 1.50m height for crossing electric wiring, gas or water line etc. and making good with cement mortar after the pipe is laid. but above 1.50m height.  |
| 350.     | Cutting 75-100mm bk Wall through 115mm    | EA   | 68.77  | 1        | 41.12.4           | : Cutting 75mm to 100mm square hole through 115mm thick brick wall using chisel and hammer up to any height for crossing electric wiring, gas or water line etc. and making good with cement mortar after the pipe is laid.   |
| 360.     | Lathe plastered walling 65mm thick        | M2   | 573.93 | 1        | 41.13.1           | : Lathe plastered walling 65mm thick with bamboo lath and cement sand plaster in prop. 1 cement : 5 sand, including 100mm x 75mm timber frame work complete with two coats of white washing and timber oiling one coat including making and removing working platform / staging, curing etc complete. |
| 370.     | Lathe plastered walling, exc. frame work  | M2   | 510.45 | 1        | 41.13.2           | : Lathe plastered walling 65mm thick with bamboo lath and cement sand plaster in prop. 1 cement : 5 sand, excluding timber frame work complete with two coats of white washing and timber oiling one coat including making and removing working platform / staging, curing etc                        |

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| Item No. | Description                           | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|--------|----------|-------------------|---|
|          |                                       |      |        |          |                   | complete. removal of debris and cleaning the area.  |
| 380.     | Dismantling bamboo mat walling.       | M2   | 20.04  | 1        | 41.14.1           | :Dismantling bamboo mat walling including bamboo frame and removal of debris and stacking the removed materials as directed.  |
| 390.     | Re-screwing C.I. sheet on roof / wall | M2   | 13.96  | 1        | 41.15.1           | :Re-screwing C.I. sheet on roof or wall with roofing screws and sheet bolts any height.   |
| 400.     | Erecting asbestos sheet roof / wall.  | M2   | 71.95  | 1        | 41.15.2           | :Erecting asbestos sheet roof or wall on plane apex with all accessories complete (FLARE wall/ sound barrier wall).   |
| 410.     | Erecting rain-guard over window.      | EA   | 516.93 | 1        | 41.16.1           | :Erecting rain-guard over window with galvanised, plain or corrugated sheet and dressed timber framing in brick wall, framing fixed to brick wall with hook-bolts (size upto 1.50m long & upto 45cm wide) as per instruction and standard design of OIL including cutting of plain / corrugated sheet as per requirement.                                 |
| 420.     | Erecting rain-guard to lath plaster . | EA   | 431.76 | 1        | 41.16.2           | :Erecting rain-guard over window with galvanised, plain or corrugated sheet and dressed timber framing fixed with hook-bolts/screws (size upto 1.50m long & upto 45cm wide) including cutting of plain / corrugated sheet as per requirement to lath plaster wall where framing fixed to window verticals as per instruction and standard design of OIL . |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
| 430.     | Prov. bituminous 6mm th.tar-felt roof . | M2   | 101.67 | 1        | 41.17.1           | :Providing bituminous 6mm thick sand carpet over tar-felt roof including preparing the roof surface, applying hot bituminous tack coat, preparing sand-mix, spreading sand-mix after lifting to the roof with proper grade and manual compaction.   |
| 440.     | Stopping leaks with plastic compound.   | NO   | 11.63  | 1        | 41.18.1           | :Stopping leaks with approved plastic compound on C.G.I./A.C. sheet roof / wall.  |
| 450.     | Colour Skinning of floor & skirting     | M2   | 57.13  | 1        | 41.19.1           | :Colour Skinning on top of granolithic floor and skirting with coloured oxide powder mixed with cement in required proportion.  |
| 460.     | 13mm th.colourcrete topping in prop.1:3 | M2   | 272.90 | 1        | 41.19.2           | :13mm thick colourcrete topping on floor, Dado and skirting in proportion 1 : 3.  |
| 470.     | Dismantling 10-25mm th. cement plaster  | M2   | 87.42  | 1        | 41.20.1           | :Dismantling 10mm to 25mm thick cement plaster or colorcrete or oxide floor, racking and cleaning, ready for relaying including removal of spoils within 30.00m at site as directed.  |
| 480.     | Dressed timber work .                   | DM3  | 29.37  | 1        | 41.21.1           | :Dressed timber work by thoroughly dressing / planning both sides of timber and edges, making joints by grooving and nailing, screwing and fixing in required size for doors, windows, ventilators including frames, fascia-board, cup-board / cabinet frame, making rack / shelves, draining board, beads for ceiling etc. complete. |

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| Item No. | Description                              | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-------|----------|-------------------|--|
| 490.     | Semi-dressed timber works.               | DM3  | 19.26 | 1        | 41.21.2           | :Semi-dressed timber works by dressing lightly for timber frames, making joints by grooving, nailing, screwing, or by bolting for wall, ceiling, posts, trusses, purlins, rafters, gates for houses, etc. required for permanent nature of building construction.  |
| 500.     | Undressed timber works.Cons. 6m K. Post. | DM3  | 8.82  | 1        | 41.21.3           | :Undressed timber works for frames, posts, trusses, purlins required for temporary nature of jobs such as camps, sheds required for OIL operation, garage etc. for construction jobs, including making joints by grooving, nailing or by bolting. Considering 6m King Post roof truss.   |
| 510.     | Undressed timber works, temporary stage  | DM3  | 8.04  | 1        | 41.21.4           | :Undressed timber works for making temporary stage with timber framework and decking using (300 x 75 x 3660)mm, (300 x 50 x 3660)mm, (100 x 75 x 3660)mm and (150 x 100 x 3660)mm size or any other sizes of timber including minor dressing, wherever necessary and edging of corners, properly levelling, grooving and fixing by nailing, bolting etc. complete. |
| 520.     | Undressed timber works, in 'Pandals'     | DM3  | 6.24  | 1        | 41.21.5           | :Undressed timber works for temporary sitting arrangement in 'Pandals' by handling (300 x 75 x 3660)mm, (300 x 50 x 3660)mm (100 x 75 x 3660)mm and (150 x 100 x 3660)mm size of timbers and cutting edges, nailing and keeping in position, covering of drains and slushy areas etc. complete.  |

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| Item No. | Description                             | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|---|------|--------|----------|------------------|--|
| 530.     | Hanging double leaf D / W shutters.     | SET  | 679.74 | 1        | 41.22.1          | :Hanging double leaf door / windows shutters on readymade steel / timber frame including fitting hinges, tower bolts, stay hook etc.Size 2.10 X 1.50 = 3.15 Sqm.   |
| 540.     | Making mosquito netting for windows.    | M2   | 422.01 | 1        | 41.23.1          | :Making mosquito proof box type netting for windows of senior Executive Bunglow by using 25mm x 50mm timber frame by dressing, planning both side of timber, edges grooved and making joints by using nails as per required size and cutting, fixing mosquito proof netting over one side of the frame by nailing dressed timber, 50mm x 13mm bead and fitting the mosquito proof box on correct position and plumb using screw etc. |
| 550.     | Easing D/W (dismt, dressing&refitting)  | EA   | 561.88 | 1        | 41.24.1          | :Easing door / windows (dismantling, dressing & refitting) including fixing, fittings, where necessary.  |
| 560.     | Fixing glass panes (over size1300sq.m)  | M2   | 724.75 | 1        | 41.25.1          | :Fixing glass panes (over size 1300 sq. cm) on steel/timber door / window frames with nails and putty.   |
| 570.     | Fixing G. panes, for size upto 1300sqm. | M2   | 658.86 | 1        | 41.25.2          | :Fixing glass panes (over size 1300 sq. cm) on steel/timber door / window frames with nails and putty., but for size upto 1300 sqm.  |
| 580.     | M / F timber curtain rods& brackets.    | SET  | 165.84 | 1        | 41.26.1          | :Making and fixing standard timber curtain rods & brackets.  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|----------|----------|------------------|--|
| 590.     | Fixing mosquito curtain wires with bars  | SET  | 915.78   | 1        | 41.27.1          | :Fixing mosquito curtain wires with two standard bars of dressed timber in rooms having Pucca walls, as per standard OIL work norms.   |
| 600.     | Fixing galvanized wire 12 gauge for C/M  | EL   | 211.33   | 1        | 41.28.1          | :Fixing galvanized wire 12 gauge for cloth lines / mosquito curtain on two hook bolts.   |
| 610.     | Dressing/plan./mak & fitt timber beads.  | EA   | 154.98   | 1        | 41.29.1          | :Dressing, planning and making and fitting timber beads 40mm x 13mm on both sides of XPM / IRC guard on window frames around opening holes upto 300 sq. cm including cutting XPM/IRC in required size for making holes.                            |
| 620.     | Dressing/plan./mak & fixing chicken wire | M2   | 522.64   | 1        | 41.30.1          | :Dressing, planning and making, fixing chicken wire net framing at eves of CI sheet or Asbestos sheet roof with 50mm x 25mm or 75mm x 25mm timber frame and 20mm x 12mm beading inside including making the frame to fit exactly with corrugation. |
| 630.     | Making of standard timber gate, dressing | M2   | 1,042.31 | 1        | 41.31.1          | :Making of standard timber gate by light dressing of timber frames, making joints by grooving and nailing, screwing and hanging timber gate with ready made post by screwing iron hinges and locking arrangement by using iron tower bolt etc.     |
| 640.     | Making air conditioner frame - dressed   | EA   | 1,313.25 | 1        | 41.32.1          | :Making air conditioner frame with dressed timber work (composite type) size approx. 711mm x 470mm including   |

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| Item No. | Description                               | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | making brick opening, fixing hold-fast and fixing the frame in position in correct plumb and necessary repairing of brick opening by plastering (1 : 5) and curing complete.  |
| 650.     | Placing XPM / IRC fabric reinforcement    | M2   | 91.58  | 1        | 41.33.1           | :Placing XPM / IRC fabric reinforcement in position after cutting by using chisel and hammer cleaning on cover blocks, binding with annealed binding wire for walls, roofs, covering slabs etc to facilitate laying concrete. |
| 660.     | Fixing IRC fabric- glazed win / other     | M2   | 168.13 | 1        | 41.34.1           | :Fixing I.R.C. fabric to metal glazed windows / or other frames by spot welding at points not more than 15cm apart (welding set being supplied by the Company with Welder and Jugali).  |
| 670.     | Erecting steel gate on existing posts.    | M2   | 160.70 | 1        | 41.35.1           | :Erecting steel gate of any size on existing posts.   |
| 680.     | Repair, rolling shutter dismt & refitting | M2   | 442.18 | 1        | 41.36.1           | :Repair and servicing of rolling shutter including dismantling and refitting, replacing damaged parts, if necessary (spare parts to be supplied by company).  |
| 690.     | Repairing collapsable shutter             | M2   | 472.67 | 1        | 41.36.2           | :Repair and servicing of collapsible shutter and collapsible gate of any kind including dismantling and refitting, replacing damaged parts, if necessary (spare parts to be supplied by company).                             |
| 700.     | Fixing 2nd hand pipe post 75-100mm dia.   | EA   | 321.19 | 1        | 41.37.1           | :Fixing second hand pipe post 75mm to 100mm dia. in correct plumb with cement concrete in prop. (1:3:6) base  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | of 30cm x 30cm x 45cm including earth cutting to required size and curing but excluding shuttering work. (C.C. work to be paid separately).  |
| 710.     | Laying one line of pipe 100- 200mm dia.  | M    | 190.43 | 1        | 41.38.1          | :Laying one line of pipe 100mm to 200mm dia service line across road including cutting road, refilling etc. with necessary traffic control, depth of cutting not more than one metre or as directed.   |
| 720.     | Sinking of 40mm to 50mm dia. tube-well   | M    | 234.29 | 1        | 41.39.1          | :Sinking of 40mm to 50mm dia. tube-well (materials shall be collected from the company's yard) upto potable water level including installation of strainer and hand pump but excluding cost of spares complete as directed. Any adjustment or repair to tube-well part will be done by the contractor. |
| 730.     | Fitt/ fix of bitumen drums- upto D-0.20m | EA   | 317.38 | 1        | 41.40.1          | :Fitting, fixing of bitumen drums after cutting the drums at bottom and fixing properly to ground by inserting into soil upto 0.20m depth, for making tree guards.   |
| 740.     | Fitt/pump Extracting 40-50mm tube well   | M    | 71.30  | 1        | 41.41.1          | :Extracting 40mm to 50mm dia tube well, with due care for recovery of materials viz. pipe, pump and fittings etc including removing and transporting, unloading, stacking the materials at place within 8.00 Km distance.  |
| 750.     | Erecting pipe flag pole, digging hole    | M    | 167.15 | 1        | 41.42.1          | :Erecting pipe flag pole including digging hole 1.00m to 1.20m deep and filling up after erection of flag pole (length   |



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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | of flag pole 8.00m above ground and size upto 75mm dia.).  |
| 760.     | Taking out Flag pole & dressing          | M    | 59.77    | 1        | 41.42.2          | :Taking out erected flag pole, filling the hole, levelling and dressing the place.   |
| 770.     | Dismantling 3.00m wide steel gate (S/D)  | EA   | 279.29   | 1        | 41.44.1          | :Dismantling 3.00m wide steel gate (single or double leaf) from existing post including removal and stacking at site as directed.  |
| 780.     | Dismantling portable well security fence | SET  | 4,118.91 | 1        | 41.44.2          | :Dismantling standard portable type well security fence with post & gate and transporting all materials to construction yard and stacking.   |
| 790.     | Dismantling fence with Pipe post & gate  | SET  | 6,113.15 | 1        | 41.44.3          | :Dismantling standard portable type well security fence with Pipe post & gate in bolted connection including transporting all materials from construction yard.  |
| 800.     | Erection security fence with bamboo post | SET  | 7,449.70 | 1        | 41.44.4          | :Erection of well security fence with bamboo post, but gate post of M.S. pipe / angle post including all carriage, bamboo to be supplied by contractor. (Posts for gates to be supplied by company).                     |
| 810.     | Dismt. fence with bamboo posts-MS gate   | SET  | 2,615.12 | 1        | 41.44.5          | :Dismantling of well security fence with bamboo posts including M.S. gate and post and staking / carrying as per direction. (After drilling/workover operation and bamboo posts are not in reused condition in general). |

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|----------|--|------|----------|----------|------------------|--|
| 820.     | Welding set, supplied by the contractor  | PD8  | 2,281.96 | 1        | 41.45.1          | :Services with welding and cutting set in carrying out miscellaneous repairs / new construction involving steel work (services of one welder and one jugali per set) to be supplied by the contractor. (New welding set inclusive fuel etc. to be supplied by the contractor).   |
| 830.     | Welding set supplied by the company.     | PD8  | 1,301.75 | 1        | 41.45.2          | :Services with welding and cutting set in carrying out miscellaneous repairs / new construction involving steel work (services of one welder and one jugali per set) to be supplied by the contractor, but welding set shall be supplied by the company.   |
| 840.     | Dressing/planning 75mmx 50mm--ceiling    | M2   | 132.54   | 1        | 41.46.1          | :Dressing and planning one side of 75mm x 50mm timber scantling, making timber frame for ceiling by grooving and jointing by nailing and using required cut pieces in joints in proper level and fitting Hessian cloth tightening sufficiently by nailing in position on the bottom dressed side of timber frame and making timber strips(by dressing and planning 50mm 13mm size timber and fitting dressed timber strips) in straight line over the joints of Hessian cloth and in frames by nailing in panels not exceeding 1.44 sqm. |
| 850.     | Fitting Hessain cloth ceiling tightening | M2   | 48.99    | 1        | 41.46.2          | :Fitting Hessain cloth ceiling , tightening sufficiently by nailing in position, on already existing bottom dressed timber frame and making timber strips by dressing and planning 50mm x 13mm size timber and fixing in straight  |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | line over the joints of Hessian cloth and in frames by nailing in panels not exceeding 1.44 sqm.   |
| 860.     | Repair, ceiling of prestressed concrete | M    | 58.70    | 1        | 41.47.1          | :Repair to cracks in ceiling of pre-stressed concrete or hollow block roof with mixture of plaster of paris and paint including cleaning joints and mending all damages (this rate is applicable also to R.C.C. in situ concrete, masonry, and rendering surfaces etc.)  |
| 870.     | Making mosquito proof box               | EA   | 1,423.42 | 1        | 41.48.1          | :Making mosquito proof semi cylindrical box type netting for ventilators of size not more than 1.50m x 0.60m by dressing and planning 25mm thick timber plank cut to semi circular size, dressing and planning 50mm x 40mm timber, fixing in horizontal position by grooving and nailing on ends over semi-circular planks and as per required size and cutting, fixing tightly mosquito proof net on the top surface of the box by nailing over the timber frame with hoop iron strips and fixing the box in position on outside walls by screwing and hanging with the help of hanging arrangement including lifting to the position with required staging platform etc. complete. |
| 880.     | Making box type ceiling ventilators     | EA   | 536.24   | 1        | 41.48.2          | :Making box type ceiling ventilators (size upto 1.20m x 1.20m x 0.23m high) by dressing planning all sides of 75mm x 50mm timber scantling used for framing and cutting chicken mesh wire to required size for fixing on all four vertical surfaces of the box by tightening, nailing and  |

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|          |   |      |       |          |                  | by fixing with dressed timber strips of size 50mm x 13mm over all timber frames over net and fixing the cover (horizontal surface) with ceiling material by nailing, screwing and fixing the four ends by using 50mm x 13mm timber strips by nailing / screwing as applicable and placing the ventilator properly in position over the ceiling opening complete as directed. |
| 890.     | Wire brushing, scrapping etc-steel work | M2   | 48.12 | 1        | 41.48.3          | :Wire brushing, scrapping, brooming, cleaning, removing all dust, dirt, mortar drops, loose materials etc. from the surface of steel work and applying one coat of paint over steel work at any height to give an even shade. Surface shall be free from grease, efflorescence and these should be removed prior to painting- But one coats with heat resistant paint.       |
| 900.     | Wire brushing, two coats heat, paint.   | M2   | 60.47 | 1        | 41.48.4          | :Wire brushing, scrapping, brooming, cleaning, removing all dust, dirt, mortar drops, loose materials etc. from the surface of steel work and applying paint over steel work at any height to give an even shade. Surface shall be free from grease, efflorescence and these should be removed prior to painting but two coats with heat resistant paint.                    |
| 910.     | White washing- wall/frame with one coat | M2   | 20.31 | 1        | 41.49.1          | :White washing on lath plaster wall and oiling timber frame with one coat describe at any height to give an even shade including thoroughly brooming and cleaning the surface to remove all dust, dirt, mortar drops, foreign  |

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|          |  |      |       |          |                   | materials etc.  |
| 920.     | White washing wall / frame but two coats | M2   | 29.37 | 1        | 41.49.2           | :White washing on lath plaster wall and oiling timber frame with one coat describe at any height to give an even shade including thoroughly brooming and cleaning the surface to remove all dust, dirt, mortar drops, foreign materials etc. but two coats. |
| 930.     | White washing ceiling & strips one coat  | M2   | 28.18 | 1        | 41.49.3           | :White washing ceiling and oiling timber strips, one coat describe at any height to give an even shade after thoroughly brooming and cleaning the surface of all dust, dirt, foreign materials etc.   |
| 940.     | White washing ceiling & strips two coat  | M2   | 31.10 | 1        | 41.49.4           | :White washing ceiling and oiling timber strips, one coat describe at any height to give an even shade after thoroughly brooming and cleaning the surface of all dust, dirt, foreign materials etc. , but two coats.  |
| 950.     | Marking track lines for sport ground     | M    | 3.16  | 1        | 41.50.1           | :Marking track lines for sport ground by lime powders / lime wash 50mm to 75mm wide including demarcation to the required alignment, curvature etc. as directed.  |
| 960.     | Remarking track lines on existing align  | M    | 1.41  | 1        | 41.50.2           | :Remarking track lines on existing alignment, curvature etc. for sports ground by lime powder / lime wash 50mm to 75mm wide as directed.  |
| 970.     | Cement glue washing, one coat            | M2   | 22.32 | 1        | 41.51.1           | :Cement glue washing one coat (cement, glue, lime and   |

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|          |   |      |          |          |                  | Cico wash) after watering thoroughly and cleaning the surface at any height including curing etc. complete.   |
| 980.     | Cement glue washing, two coat           | M2   | 40.53    | 1        | 41.51.2          | :Cement glue washing one coat (cement, glue, lime and Cico wash) after watering thoroughly and cleaning the surface at any height including curing etc. complete. , but two coats.  |
| 990.     | Wire brushing cleaning floor            | M2   | 117.08   | 1        | 41.52.1          | :Wire brushing, cleaning, removing grease / oily substance using solvents and acids etc. from floor of garage, workshop etc. to expose the original surface.  |
| 1000.    | Painting bath room fittings             | SET  | 1,032.86 | 1        | 41.53.1          | :Painting bath room fittings, including pipe lines, bath tubs etc. in 'D +' (Sr. Executive ), 'E' or 'F' type Bungalows at any height to give an even shade including thorough cleaning and removing all dust, dirt etc. before applying paint.   |
| 1010.    | Painting bath room fittings-Jr E. B'low | SET  | 487.66   | 1        | 41.53.2          | : Painting bath room fittings, including pipe lines, bath tubs etc. in 'D +' (Sr. Executive ), 'E' or 'F' type Bungalows at any height to give an even shade including thorough cleaning and removing all dust, dirt etc. before applying paint. but for 'D' type or 'D +' type (Junior Executive Bungalows). |
| 1020.    | Painting steel tower/derrick- one coat  | M2   | 72.52    | 1        | 41.54.1          | :Painting steel works, one coat in towers and derricks and other high structures above 8.00m high to get an even  |

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|          |   |      |          |          |                  | shade, after wire brushing, scrapping, brooming, cleaning, removing all dust, dirt, loose foreign materials, grease, efflorescence etc. from the surface including provision of safety precautionary measure to working person - one coat.   |
| 1030.    | Painting steel tower/derrick-Two coats  | M2   | 85.08    | 1        | 41.54.2          | :Painting steel works, one coat in towers and derricks and other high structures above 8.00m high to get an even shade, after wire brushing, scrapping, brooming, cleaning, removing all dust, dirt, loose foreign materials, grease, efflorescence etc. from the surface including provision of safety precautionary measure to working person - one coat. , but two coats. |
| 1040.    | White washing trees upto 1.0m two coats | EA   | 18.55    | 1        | 41.55.1          | :White washing stems of trees upto a height of 1.00m from ground level, two coats.   |
| 1050.    | White washing trees Guards two coats    | EA   | 27.93    | 1        | 41.55.2          | :White washing trees guards- two coats.  |
| 1060.    | Engraving new letters on cement plaster | HLT  | 2,867.87 | 1        | 41.56.1          | :Engraving new letters on cement plastered background, 150mm to 200mm size letters, at any height.   |
| 1070.    | Scraping & cleaning old paint-hospital  | SET  | 2,261.44 | 1        | 41.57.1          | :Scraping and cleaning old paint of hospital beds and lockers and repainting the same with two coats of paint as per specification (One set comprising of one bed and side locker).  |

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|----------|--|------|----------|----------|-------------------|--|
| 1080.    | Dismantling of water closet- P/S trap .  | EA   | 990.71   | 1        | 41.58.1           | :Dismantling of water closet with 'P' or and 'S' trap complete including cutting and making good all damages in wall and floor.  |
| 1090.    | Replacing and re-fixing hand basin/sink  | EA   | 1,617.80 | 1        | 41.58.2           | :Replacing and re-fixing white glazed vitreous China hand basin / sink complete including replacing other fittings if necessary, but without replacing the waste pipe and dismantling the adjacent parts of basin and making good to damages with metallic surface as directed by Engineer in-charge.  |
| 1100.    | Fitting/fixing white vitreous WC commode | EA   | 1,489.29 | 1        | 41.58.3           | :Fitting and fixing white vitreous W.C. commode (after removing broken one) with white / black plastic seat and lid, C.P. brass hinges and rubber buffers, C.P. flush bend, rubber joint, trap as directed and specified including cutting and making good to the walls, floor, where required. (Item includes necessary sweeper service charges). |
| 1110.    | Replacing / re-fixing of sink.           | EA   | 1,887.15 | 1        | 41.58.4           | :Replacing and re-fixing of white vitreous / mosaic / steel sink.  |
| 1120.    | Repairing & renewing high level cistern  | SET  | 370.98   | 1        | 41.58.5           | :Repairing and renewing high level flushing cistern by replacing, adjusting inside parts complete as directed including removing unserviceable materials without dismantling the cistern .   |



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|----------|---|------|--------|----------|-------------------|---|
| 1130.    | Repairing & renewing low down-cistern   | SET  | 287.24 | 1        | 41.58.6           | :Repairing and renewing low down 12.50 litres capacity cistern by replacing / adjusting inside parts, run down pipe complete as directed including removing unserviceable materials without dismantling the cistern and making good to damages to the floors and walls where necessary. |
| 1140.    | Replacing rundown pipes of standard L.  | EA   | 424.59 | 1        | 41.58.7           | :Replacing rundown pipes of standard length with bend for low down cistern and making good all damages complete as directed.  |
| 1150.    | Replacing run down pipes with bend      | EA   | 551.54 | 1        | 41.58.8           | :Replacing run down pipes with bend of standard length for high level flushing cistern and making good to all damages complete as directed including making good the damages to all wall, floor, where necessary.   |
| 1160.    | Replacing & refitting China bowl urinal | EA   | 497.94 | 1        | 41.59.1           | :Replacing and re-fitting of White vitreous China bowl type urinal including fitting and fixing of waste pipes complete as directed and making good to the damages of the walls, floors where necessary.  |
| 1170.    | Replacing & refitting urinal            | EA   | 758.29 | 1        | 41.59.2           | :Replacing and re-fitting of white vitreous China half stall type urinal of any size including fitting, fixing of waste pipe complete as directed and making good to the damages of the walls where necessary.  |
| 1180.    | Dismantling bath tub- fitting perfectly | SET  | 791.27 | 1        | 41.60.1           | :Dismantling bath tub with fitting perfectly from the existing line and cutting to the walls, floor and making good to the  |

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|          |  |      |        |          |                  | damaged portion, depositing all serviceable and unserviceable materials to Company's godown as directed with necessary masonry work complete.  |
| 1190.    | Dismantling kitchen sink / wash basin    | SET  | 507.46 | 1        | 41.61.1          | :Dismantling kitchen sink / hand wash basin and outlet including cutting the floor, walls and making good to the walls, floors, posts where necessary and depositing the materials to the company's godown after recovery. |
| 1200.    | Repairing bib cock, pillar cock etc.     | EA   | 51.31  | 1        | 41.62.1          | :Repairing bib cock / pillar cock / stop cock / valve etc. of size 25mm to 6mm dia. by repairing, readjusting washer / spindle etc.  |
| 1210.    | Providing new connection to cistern      | NO   | 100.54 | 1        | 41.63.1          | :Providing new connection to cistern including checking all the accessories and adjusting the same properly complete.  |
| 1220.    | Fitting, fixing hot and cold mixture val | SET  | 440.03 | 1        | 41.64.1          | :Fitting, fixing hot and cold mixture valve of hand basin, shower, bath tub, etc. including fixing with clamp etc. and cutting the walls and making good the damage to match with the adjacent walls, etc.                 |
| 1230.    | Repairing hot & cold mixture- wash basin | SET  | 126.95 | 1        | 41.64.2          | :Repairing of hot and cold mixture for wash basin, shower, bath tub etc. by replacing / readjusting washer, spindle etc. complete.   |
| 1240.    | Fitting /fixing manifold for gas         | SET  | 190.43 | 1        | 41.65.1          | :Fitting / fixing manifold for gas Chullah including   |

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|          | Chullah                                  |      |        |          |                  | necessary clamping the assemblies properly complete.  |
| 1250.    | Replacing/refitting-gas Chullah          | SET  | 229.57 | 1        | 41.65.2          | :Replacing / refitting manifold for gas Chullah complete after dismantling the leaky / damaged manifold including adjusting and necessary clamping the same complete.   |
| 1260.    | Fitting & fixing gas burner fixing valve | SET  | 126.95 | 1        | 41.65.3          | :Fitting and fixing gas burner including fixing valve, bend, nipple, etc. complete.   |
| 1270.    | Removing damaged ring gas burner/refit.  | SET  | 334.86 | 1        | 41.65.4          | :Removing damaged ring or long type gas burner and refitting the same after its repair by company or a new burner including fixing of wheel valve, bend, etc. complete. |
| 1280.    | Repairing & servicing of gas burner      | SET  | 126.95 | 1        | 41.65.5          | :Repairing and servicing of gas burner of any type including refitting the same in proper position complete.  |
| 1290.    | Fitting & fixing of gas burner with case | SET  | 161.16 | 1        | 41.65.6          | :Fitting and fixing of gas burner with casing upto a size of 300mm dia. or above complete for temporary socio-religious welfare works.                                  |
| 1300.    | Dismantling gas burner with casing       | SET  | 76.17  | 1        | 41.65.7          | :Dismantling gas burner with casing up to a size of 300mm dia. meant for temporary socio-religious welfare works and depositing the same at Company's godown.           |
| 1310.    | Fitting, fixing etc. wash hand basin     | SET  | 150.76 | 1        | 41.66.1          | :Fitting, placing and fixing wash hand basin including waste coupling and waste pipe with ready made stand  |

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|----------|---|------|----------|----------|------------------|---|
|          |   |      |          |          |                  | complete for temporary socio-religious welfare works.   |
| 1320.    | Removing and fitting water taps i       | NO   | 126.95   | 1        | 41.66.2          | :Removing and fitting water taps etc. at supply point including accessories and pipes etc. (Temporary job).   |
| 1330.    | Dismantling wash hand basin             | SET  | 101.56   | 1        | 41.66.3          | :Dismantling wash hand basin including waste coupling and waste pipe with stand meant for temporary socio-religious welfare works and depositing the same at company's godown.  |
| 1340.    | Fitting, fixing & placing S.W heater    | SET  | 2,600.31 | 1        | 41.67.1          | :Fitting / fixing / placing salamander water heater on readymade plinth for size 22 / 45 gallons capacity including fixing overflow / steam pipe and connecting cold water inlet and hot water outlet pipes already laid. |
| 1350.    | Dismantling salamander of size 22 / 45  | EA   | 2,426.08 | 1        | 41.67.2          | :Dismantling salamander of size 22 / 45 gallons capacity and delivery to workshop for repair including disconnecting all inlet / outlet / overflow line pipes etc.  |
| 1360.    | Fitting / fixing / placing balance tank | EA   | 945.81   | 1        | 41.68.1          | :Fitting / fixing / placing balance tank including connecting ball cock / overflow / inlet / outlet pipes already laid for single storeyed building.  |
| 1370.    | Fitting / fixing / placing tank,doubles | EA   | 1,092.16 | 1        | 41.68.2          | :Fitting / fixing / placing balance tank including connecting ball cock / overflow / inlet / outlet pipes already laid for single storeyed building., but for double storeyed building and above.                         |

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| 1380.    | Cleaning/servicing tank size-50 gallons | EA   | 513.09   | 1        | 41.69.1           | :Cleaning and servicing of balance tank for size upto 50 gallons capacity.   |
| 1390.    | Cleaning/srv tank size above 50 gallons | EA   | 653.81   | 1        | 41.69.2           | :Cleaning and servicing of balance tank for size upto 50 gallons capacity., but for size above 50 gallons capacity.  |
| 1400.    | Dismt/discont & dismounting tank-single | EA   | 1,464.19 | 1        | 41.69.3           | :Dismantling / disconnecting and dismounting balance tank from single storeyed buildings / staging and delivery to workshop for repair.  |
| 1410.    | Dismt/discont & dismounting tank-double | EA   | 1,566.81 | 1        | 41.69.4           | Dismantling / disconnecting and dismounting balance tank from single storeyed buildings / staging and delivery to workshop for repair., but for double storeyed buildings.   |
| 1420.    | Cement brick work (1 :6)for trap drain  | M    | 336.78   | 1        | 41.70.1           | :Cement brick work (in prop. 1 cement : 6 sand) for trapezoidal section drain of top width 525mm x bottom width 225mm x 150mm height, bricks laid flat over 25mm thick bedding (1 cement : 8 sand) and 13mm thick neat finish on inside plaster (1 cement : 3 sand) and in top edges curving, rounding etc. including necessary excavation to required size, dressing, grading, ramming and levelling and curing complete. |
| 1430.    | Cement brick work (1 :6)for trap drain  | M    | 316.51   | 1        | 41.70.2           | :Cement brick work (1 cement : 6 sand) for trapezoidal section drain of top width 525mm x bottom width 225mm x 150mm height, bricks laid flat over 25mm thick bedding (1   |

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|          |  |      |        |          |                   | cement : 8 sand) 15mm thick neat finish on plaster (1 cement : 3 sand) at bottom, curving, rounding of the bottom joints both side and flush pointing inside and in top edges including necessary excavation to required size, dressing, grading ramming and levelling and curing complete. |
| 1440.    | Making shallow kutcha drains .           | M    | 29.27  | 1        | 41.70.3           | :Making shallow kutcha drains with base width 225mm and maximum depth 400mm including disposing spoil within 30m, dressing, grading, ramming, levelling, spreading etc. complete directed by Engineer in charge.  |
| 1450.    | Cleaning Kutcha surface drain-all silt   | M    | 17.56  | 1        | 41.71.1           | :Cleaning Kutcha surface drain of all silt, debris etc. by necessary dressing and removing to 30m away.   |
| 1460.    | Drains upto a depth of one metre         | M    | 32.17  | 1        | 41.71.2           | :Cleaning Kutcha surface drain of all silt, debris etc. by necessary dressing and removing to 30m away., but for drains upto a depth of one metre and carriage of debris outside the company's premises to indicated places.  |
| 1470.    | Hanging /fixing banner of any size       | EA   | 45.82  | 1        | 41.72.1           | :Hanging /fixing banner of any size with necessary materials such as coir string, ropes etc. but without bamboo including removing as directed.   |
| 1480.    | Hanging/fixing banner, contractor supply | EA   | 112.94 | 1        | 41.72.2           | :Hanging /fixing banner of any size with necessary materials such as coir string, ropes etc. but without bamboo including removing as , but with supply of  |

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|          |  |      |        |          |                   | bamboo (bamboo to be recovered & retained by contractor ).  |
| 1490.    | Making/fixing/erecting gate,by bamboo    | SME  | 242.69 | 1        | 41.73.1           | :Making, fixing & erecting welcome gate by using bamboo frame work & decorative cloth including dismantling as directed (bamboo & cloth to be supplied, recovered and retained by contractor).  |
| 1500.    | Timber structure supplied by Company     | SME  | 182.67 | 1        | 41.73.2           | :Making, fixing & erecting welcome gate by using timber frame work & decorative cloth including dismantling as directed , with timber structure (necessary timber will be supplied by the Company & to be returned to Company's store after dismantling ) and decorative cloth (material recovered and retained by the contractor) including dismantling as directed. |
| 1510.    | Straightening, cleaning, XPM/IRC sheets  | M2   | 47.78  | 1        | 41.74.1           | :Straightening, necessary cleaning, scrapping, cutting, lifting & fixing XPM / IRC sheets (fencing or walling) in tight position to timber purlins with staples in not more than 30cm apart , (welding set being supplied by contractor.)   |
| 1520.    | Straightening,/binding wireby contractor | M2   | 21.13  | 1        | 41.74.2           | :Straightening, necessary cleaning, scrapping, cutting, lifting & fixing XPM / IRC sheets (fencing or walling) in tight position to timber purlins with staples in not more than 30cm apart , (welding set being supplied by contractor.), but fixed with binding wire at 30cm apart,   |

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|          |  |      |       |          |                  | (binding wire being supplied by contractor.)  |
| 1530.    | Welding set being supplied by company.   | M2   | 20.31 | 1        | 41.74.3          | :Straightening, necessary cleaning, scrapping, cutting, lifting & fixing XPM / IRC sheets (fencing or walling) in tight position to timber , but welding set being supplied by company.   |
| 1540.    | Straightening, cleaning, excl frame work | M2   | 31.74 | 1        | 41.74.4          | :Straightening, necessary cleaning, scrapping, cutting, lifting & fixing wire netting with staples in line not more than 30cm apart, on timber frame of chicken run etc. (excluding frame work).  |
| 1550.    | Erection of barbed wire fencing          | M2   | 61.11 | 1        | 41.75.1          | :Erection of barbed wire fencing including digging holes, fixing posts, stringing and fixing barbed wire with posts, including concrete work on post base. Fencing with 5 to 6 lines of barbed wire fixed on post @ 2.50M intervals. Height upto 2.50 M . |
| 1560.    | Straightening, cler. erecting R.C.C post | M2   | 61.11 | 1        | 41.76.1          | :Straightening, necessary cleaning, digging holes, erecting R.C.C post with C.C base & fixing woven wire/Jingle wire fencing on ready made RCC post at 2.5m interval, (excluding concrete work of post). (Fencing height upto 2.50m).                     |
| 1570.    | Dismantling woven wire/jingle with post  | M2   | 21.16 | 1        | 41.77.1          | :Dismantling woven wire/jingle wire/XPM/IRC fencing with post & rolling, collecting and stacking dismantled material as directed in a place ready for transport.  |



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|----------|---|------|--------|----------|-------------------|--|
| 1580.    | Dismantling/refit old woven wire/jingle | M2   | 43.94  | 1        | 41.77.2           | :Dismantling old woven wire/jingle wire fence & refitting with new fence including collecting & stacking old materials as directed.  |
| 1590.    | Fixing chicken wire netting .           | M2   | 42.32  | 1        | 41.78.1           | :Fixing chicken wire netting with timber beads on timber frame (or with steel flat on steel frame).  |
| 1600.    | Stringing&fixing one line barbed wire   | M    | 4.62   | 1        | 41.79.1           | :Stringing and fixing one line of barbed wire on existing posts with staples / GI wire.  |
| 1610.    | String& fixing barbed wire-over hangs   | M    | 11.40  | 1        | 41.79.2           | :Straightening and fixing one line of barbed wire on over hangs with galvanised wire etc.  |
| 1620.    | Fastening ext jingle/woven wire fence   | M    | 18.31  | 1        | 41.80.1           | :Fastening existing jingle wire / woven wire fence on existing iron post by inserting MS flat rod etc. or by spot welding not more than 300mm apart (welding machine to be supplied by company).   |
| 1630.    | Filling sand of minimum 0.025cu. m      | NO   | 19.52  | 1        | 41.81.1           | :Filling sand of minimum 0.025cu. m in empty cement bags, stitching and stacking in place upto 2.00m height including carrying upto 100m excluding supply of sand and cement bag. (Supply of sand will be measured and paid separately). |
| 1640.    | Erecting boundary pillar of triangular  | EA   | 126.95 | 1        | 41.82.1           | :Erecting boundary pillar (Provided by Company) of   |

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|----------|---|------|--------|----------|------------------|---|
|          |   |      |        |          |                  | triangular shape on 100mm each side and one metre high for land demarcation including digging holes of not less than 600mm depth and including necessary ramming after erecting of post etc. complete.  |
| 1650.    | Driving vertcl pipe piles dia 100-150mm | MOP  | 466.79 | 1        | 41.83.1          | :Driving vertically pipe piles of dia 100mm to 150mm including all handling, making pile shoes, marking pile length in metres, jointing, hoisting & driving with locally made pile drives gear, by manual labour / crab winch and cutting off the surplus length after driving (Cutting/welding set to be provided by the Company).                                     |
| 1660.    | 150mm to 200mm dia. pipe piles.         | MOP  | 637.83 | 1        | 41.83.2          | :Driving vertically pipe piles of dia 150mm to 200mm including all handling, making pile shoes, marking pile length in metres, jointing, hoisting & driving with locally made pile drives gear, by manual labour / crab winch and cutting off the surplus length after driving (Cutting/welding set to be provided by the Company) with 150mm to 200mm dia. pipe piles. |
| 1670.    | 100x 100 mm to 150x 150mm timber piles. | MOP  | 646.04 | 1        | 41.83.3          | :Driving vertically 100mm x 100 mm to 150mm x 150mm timber piles including all handling, making pile shoes, marking pile length in metres, jointing, hoisting & driving with locally made pile drives gear, by manual labour / crab winch and cutting off the surplus length after driving (Cutting/welding set to be provided by the Company) .                        |

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|----------|--|------|--------|----------|-------------------|--|
| 1680.    | Cutting, cleaning etc. upto of 2 Kms.    | M3   | 468.32 | 1        | 41.84.1           | :Cutting, cleaning cement lumps, garbages from yard and disposing off to a distance place including loading, unloading & transporting upto a distance of 2 Kms.  |
| 1690.    | Making temporary sheds with Jati bamboo  | M2   | 54.57  | 1        | 41.85.1           | :Making temporary sheds / Pandals, roof only (Using C.I. sheet / tarpaulin supplied by company on loan) with Jati bamboo frame work. (Necessary bamboo and other material to be supplied, recovered and retained by the contractor). |
| 1700.    | Making semi permanent with Jati Bamboo   | M2   | 94.48  | 1        | 41.86.1           | :Making semi permanent sheds roof only, using C.I. sheets (supplied by the Company) with Jati Bamboo frame work including supply of bamboo, binding wire / coir string etc.  |
| 1710.    | Making semi with Jati Bamboo for walling | M2   | 6.58   | 1        | 41.86.2           | :Making semi permanent sheds roof only, using C.I. sheets (supplied by the Company) with Jati Bamboo frame work including supply of bamboo, binding wire / coir string etc., but for walling only.                                   |
| 1720.    | Dismtl temp/ semi permt shed / roof      | M2   | 19.42  | 1        | 41.86.3           | :Dismantling temporary / semi permanent shed / pandal roof / walls including stacking C.G.I. sheet / tarpaulin and transporting back to Company's Godown as directed.  |
| 1730.    | Making flare pit wall using empty drums  | EA   | 253.90 | 1        | 41.87.1           | :Making flare pit wall using empty drums including transporting within 8 Kms, lead cutting of drum ends making holes for tying with wire rope, filling with earth &  |

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|----------|--|------|--------|----------|------------------|--|
|          |  |      |        |          |                  | tying with wire rope complete.   |
| 1740.    | Making singleV pattern terza wall-jati   | M2   | 122.68 | 1        | 41.88.1          | :Making single 'V' pattern terza wall with jati bamboo complete with Kamis, including fixing properly to posts and including supply of all materials.  |
| 1750.    | Making & fixing fine bamboo mat walling  | M2   | 92.48  | 1        | 41.88.2          | ∴ Making & fixing fine bamboo mat walling with 30cm square split bamboos battens both sides including supply of materials for building works only.   |
| 1760.    | Repair to wall, doors etc.single terza   | M2   | 49.85  | 1        | 41.88.3          | :Repair to wall, doors, windows made of single terza in neat rectangular patches including supply of all materials (Repair to be made in rectangular block). Use of old materials may be allowed as and when found servicable. |
| 1770.    | Repair&replace to wall, door etc. single | M2   | 92.22  | 1        | 41.88.4          | :Repair and replacement to wall, doors, windows made of single terza and bamboo mat lining including supply of all materials (Repair to be made in rectangular block).   |
| 1780.    | Replacing single terza wall, new terza   | M2   | 94.12  | 1        | 41.88.5          | :Replacing single terza wall with new terza wall including dismantling, removal of old wall and stacking in position & disposing off at suitable place within 8 Km from the work site.   |
| 1790.    | Making&fixing bamboo mat wall-8 Kms      | M2   | 96.77  | 1        | 41.88.6          | :Making & fixing bamboo mat walling by binding with 18 G thick G.I. wire with existing bamboo posts, by tying with split bamboo battens both sides 45cm apart horizontally   |

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|----------|--|------|-------|----------|-------------------|--|
|          |  |      |       |          |                   | including 30cm square bamboo frame work exclusively for compound fencing/curtain walls only after dismantling old walling, collecting, stacking and disposing off at a suitable place within 8 Km from the work site.  |
| 1800.    | Making&fixing bamboo mat wall-binding  | M2   | 96.77 | 1        | 41.88.7           | :Making and fixing bamboo mat walling by binding with 18 G thick G.I. wire with existing bamboo posts, by tying with split bamboo battens both sides 45cm apart horizontally including 30cm square bamboo frame work exclusively for compound fencing/curtain walls only.  |
| 1810.    | Fixing Jati bamboo post-1.5m for fence | OME  | 29.30 | 1        | 41.89.1           | :Fixing not more than 1.5m high exposed over ground Jati bamboo post for fencing etc. including digging holes, fixing below ground not less than 450mm length including refilling the holes with necessary ramming etc complete.   |
| 1820.    | Replacing Jati bamboo post for fencing | OME  | 50.65 | 1        | 41.89.2           | :Replacing not more than 1.5m high exposed over ground Jati bamboo post for fencing etc. including digging holes, fixing below ground not less than 450mm length including refilling the holes with necessary ramming etc. and dismantling removing stacking and disposing off the old posts at a suitable place within 8Km from the work site . |
| 1830.    | Making/fixing Bamboo mat ceiling       | OME  | 80.90 | 1        | 41.90.1           | :Making & fixing bamboo mat ceiling (single layer) by binding with 18 G thick binding wire including inside bamboo framing (Mats are to be given 150mm lap).   |

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|----------|---|------|--------|----------|------------------|--|
| 1840.    | Fixing not more than 3.5 M high-Jati .  | OME  | 42.67  | 1        | 41.91.1          | :Fixing not more than 3.5 M high exposed over ground Jati bamboo post for fencing etc, digging holes, fixing below ground not less than 600 mm length i/c refilling with ramming complete.   |
| 1850.    | Fixing not more 3.5 M high with bhaluka | OME  | 46.97  | 1        | 41.91.2          | :Fixing not more than 3.5 M high exposed over ground Jati bamboo post for fencing etc, digging holes, fixing below ground not less than 600 mm length i/c refilling with ramming complete., but with bhaluka bamboo.   |
| 1860.    | Repair bamboo ceiling n't replac frame  | M2   | 114.63 | 1        | 41.92.1          | :Repair to bamboo mat ceiling with new bamboo mat and tied with 30cm square split bamboo battens both sides but without replacing the frame work.  |
| 1870.    | Replacing bamboo mat ceiling 18 g thick | M2   | 132.93 | 1        | 41.92.2          | :Replacing bamboo mat ceiling with new bamboo mat tied with 30cm square split bamboo battens both sides with binding wire (18 G thick) but without repairing/replacing the frame work including removing the old bamboo mat & carrying to a suitable site as directed. |
| 1880.    | Making & hanging flap door-single terza | EA   | 247.03 | 1        | 41.93.1          | :Making and hanging flap door of single terza complete with standard loching arrangements including supply of all materials.   |
| 1890.    | Making/hanging door but w- (600x600 mm) | EA   | 101.10 | 1        | 41.93.2          | :Making and hanging flap door of single terza complete with standard loching arrangements including supply of all materials. , but for flap windows (600x600 mm)   |

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|----------|--|------|--------|----------|------------------|---|
| 1900.    | Erecting bamboo fencing one metre height | M    | 101.21 | 1        | 41.94.1          | :Erecting standard bamboo fencing one metre high,above GL, 100mm mesh including fixing bamboo posts at 2metres interval; with 450mm below ground.All materials and tools by Contractor.   |
| 1910.    | Erecting diamond shaped bamboo fencing   | M    | 168.40 | 1        | 41.94.2          | :Erecting diamond shaped bamboo fencing one metre high above ground including tying the fencing with three rows of two half bamboo horizontal (one inside one outside) with thick gauge tying wires with bamboo groove railing on top including fixing /tying bamboo post at 2m interval with 45cm below G.L. All materials and tools supplied by the contractor. |
| 1920.    | Making bamboo structure                  | M    | 56.05  | 1        | 41.95.1          | :Making or replacing solid bamboo structure members (rafters, purlins, runners etc.) including binding with 18G binding wire.   |
| 1930.    | Thatch roofing 100 thick                 | M2   | 635.42 | 1        | 41.96.1          | :100mm thick thatch roofing including the underside bamboo framing using split bamboo and split bamboo jafri border (400mm wide) over the thatch work.  |
| 1940.    | 100mm thick re-thatching roof            | M2   | 549.29 | 1        | 41.96.2          | :100mm thick re-thatching roof including necessary repair to roof frame & bamboo jafri work over the roof (renewal work including dismantling and removal of old thatching in proper manner and stacking at proper place as directed).  |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 1950.    | Repair of bamboo fence including posts   | M2   | 43.97    | 1        | 41.97.1          | :Repair of bamboo fence including replacement of post (the length only upon which repairs are done will be measured for payment).   |
| 1960.    | Supply bamboo tree guards 1m dia., 2m ht | EA   | 681.43   | 1        | 41.98.1          | :Supply of standard bamboo tree guards 1m dia. x 2m high - bamboo Kami frame work as per direction including supply of materials.   |
| 1970.    | Suply bamboo tree guard height 1200mm    | EA   | 189.31   | 1        | 41.98.2          | :Supply of standard bamboo tree guards with averagediameter of 250mm and height 1200mm. - bamboo Kami frame work as per direction including supply of materials.  |
| 1980.    | Supply and fabricate bamboo sausages     | SET  | 8,938.18 | 1        | 41.99.1          | :Supplying and fabricating bamboo sausages comprising of a circular frame work of woven bamboo kamees of 2m internal dia, 8m long braced externally & internally with whole bamboo 30cm apart tied with G.I wire of 16 gauge inside and packed with brush wood as directed by Engineers at site including supply of all materials such as brush wood, GI wire, bamboo etc and transportation of materials to work site (necessary wire rope for anchoring & lowering sausages will be supplied by the Company). |
| 1990.    | Providing bamboo palisade 2m above Gr    | OME  | 849.76   | 1        | 41.99.2          | :Providing & erecting protecting bamboo palisade to prevent erosion of road embankment or bridge/culvert abutments using matured Jati bamboo piles driven 1.5m deep underground and projecting 2 metres above ground  |



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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | closely spaced touching each other in a line and tying the exposed lengths of bamboo piles to two half bamboo horizontal (one inside and one outside) spaced 300mm apart with thick gauge tying wires. All materials tools supplied by contractor.  |
| 2000.    | Providing bamboo palisade 1.0m above Gr. | OME  | 497.38 | 1        | 41.99.3           | :Providing & erecting protecting bamboo palisade to prevent erosion of road embankment or bridge/culvert abutments using matured Jati bamboo piles driven 1.0m deep underground and projecting 1.0 metres above ground closely spaced touching each other in a line and tying the exposed lengths of bamboo piles to two half bamboo horizontal (one inside and one outside) spaced 300mm apart with thick gauge tying wires. All materials tools supplied by contractor.   |
| 2010.    | Bamboo palisade with drum-sheet          | OME  | 914.84 | 1        | 41.99.4           | :Providing & erecting bamboo palisade to prevent erosion/damage of road embankment or bridge/culvert abutments, effluent pit bundh etc using matured jati bamboo piles driven 1.5m deep underground and projecting 2m above ground at interval of 200mm to 250mm in a line and tying the exposed length of bamboo piles to two half bamboo horizontal (one inside and one outside ) spaced 300mm apart with thick gauge tying wire and fitting inside drum sheet lining and tying the same to frame work as directed including cutting & straightening empty drums. All materials and tools to be supplied by the |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | contractor except empty drum.   |
| 2020.    | Bamboo palisade without drum-sheet       | OME  | 543.86 | 1        | 41.99.5           | :Providing & erecting bamboo palisade to prevent erosion/damage of road embankment or bridge/culvert abutments, effluent pit bundh etc using matured jati bamboo piles driven 1.5m deep underground and projecting 2m above ground at interval of 200mm to 250mm in a line and tying the exposed length of bamboo piles to two half bamboo horizontal (one inside and one outside ) spaced 300mm apart with thick gauge tying wire and fitting inside drum sheet lining and tying the same to frame work as directed including cutting & straightening empty drums. All materials and tools to be supplied by the contractor except empty drum., but without cutting, straightening placing and tying /fitting drum sheets. |
| 2030.    | Cutting, carrying tree branches          | M3   | 134.27 | 1        | 41.101.1          | :Cutting, carrying tree branches and loading into lorries, transport upto a distance of 8Kms, filling inside the bamboo palisade at river bank ( cost inclusive of supply of all materials).  |
| 2040.    | Single layer tarfelting with sand mix    | M2   |        | 1        | 41.102.1          | :Single layer tarfelting with 13mm thick bituminous sand mix  |
| 2050.    | Single layer tarfelting without sand mix | M2   |        | 1        | 41.102.2          | :Single layer tarfelting without bituminous sand mix  |
| 2060.    | WH Cover-Empty bags Contractor           | EA   | 22.42  | 1        | 41.102.3          | Providing sand bags by filling minimum 0.02 cu. m of  |

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| Item No. | Description                           | Unit | Rate  | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------------|------|-------|----------|-------------------|---|
|          | Supply                                |      |       |          |                   | sand in empty cement bags, stitching and stacking in place upto 2.00m height, carrying upto 100m complete as directed including supply of empty cement bags. (Supply of sand will be measured and paid separately)-for Well Head cover Jobs.  |
| 2070.    | WH Cover-Empty bags Company Supply    | EA   | 15.71 | 1        | 41.102.4          | Providing sand bags by filling minimum 0.02 cu. m of sand in empty cement bags, stitching and stacking in place upto 2.0 m height including carrying upto 100m complete as directed . (Empty cement bag will be supplied by company and Cost of sand will be measured and paid separately).-For Well Head Cover only. |
| 2080.    | Providing sand bags-Contractor Supply | EA   | 20.37 | 1        | 41.102.5          | Providing sand bags by filling minimum 0.02 cu. m of sand in empty cement bags, stitching and stacking in place upto 1.5m height, carrying upto 100m complete as directed including supply of empty Cement bags. (Cost of sand will be measured and paid separately).   |
| 2090.    | Providing sand bags Company Supply    | EA   | 13.67 | 1        | 41.102.6          | Providing sand bags by filling minimum 0.02 cu. m of sand in empty cement bags, stitching and stacking in place upto 1.5m height including carrying upto 100m complete as directed . (Empty cement bag will be supplied by company and Cost of sand will be measured and paid separately).                            |

**42 : ESCALATION**

|     |                        |    |      |   |         |                        |
|-----|------------------------|----|------|---|---------|------------------------|
| 10. | ESCALATION - LABOUR    | AU | 1.00 | 1 | ESC-LAB | ESCALATION - LABOUR    |
| 20. | ESCALATION - MATERIALS | AU | 1.00 | 1 | ESC-MAT | ESCALATION - MATERIALS |

**43 : SPECIFIC ITEMS FOR ZONE 81**

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| Item No.  | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description   |
|---|--|------|--------|----------|-------------------|--|
| 10.   | OP CEMENT                                | BAG  | 320.00 | 1        |                   | OP CEMENT  |
| 20.   | EMPTY CEMENT BAG                         | BAG  | 4.45   | 1        |                   | EMPTY CEMENT BAG   |
| 30.   | GALVANISED JINGLE WIRE FENCING           | KG   | 74.90  | 1        |                   | Galvanised Jingle wire fencing(Mesh 7.62cm, width 106.7 cm, Strand Gauge 0.33 cm, weight 2.2 kg/m with tolerance in weight +/-5%)  |
| <b>24 : Rain Water Harvesting &amp; Tubewells</b> |  |      |        |          |                   |  |
| 10.   | Boring bore well- up to 90m ,300 mm dia. | M    | 513.48 | 1        | 24.1.1.1          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-All types of soil-300 mm dia. |
| 20.   | Boring bore well-up to 90m, 350 mm dia.  | M    | 561.62 | 1        | 24.1.1.2          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-All types of soil-350 mm dia. |
| 30.   | Boring bore well- upto 90m , 400mm dia.  | M    | 718.87 | 1        | 24.1.1.3          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata,   |

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|----------|--|------|----------|----------|------------------|--|
|          |  |      |          |          |                  | preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-All types of soil-400 mm dia.  |
| 40.      | Boring bore well-rocky strata-300mm dia. | M    | 1,197.57 | 1        | 24.1.2.1         | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-Rocky strata including Boulders-300 mm dia. |
| 50.      | Boring bore well-rocky strata-350mm dia. | M    | 1,255.04 | 1        | 24.1.2.2         | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-Rocky strata including Boulders-350 mm dia. |
| 60.      | Boring bore well-rocky                   | M    | 1,455.67 | 1        | 24.1.2.3         | Boring/drilling bore well of required dia for casing/ strainer   |

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|----------|--|------|--------|----------|-------------------|--|
|          | strata-400mm dia.                        |      |        |          |                   | pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, upto 90 metre depth below ground level.-Rocky strata including Boulders-400 mm dia.  |
| 70.      | Boring bore well,90-150m depth-300mm dia | M    | 599.06 | 1        | 24.2.1.1          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level. All types of soil, 300 mm dia. |
| 80.      | Boring bore well,90-150m depth-350mm dia | M    | 665.62 | 1        | 24.2.1.2          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level. All types of soil, 350         |

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|----------|--|------|----------|----------|-------------------|--|
|          |  |      |          |          |                   | mm dia.  |
| 90.      | Boring bore well,90-150m depth-400mm dia | M    | 898.59   | 1        | 24.2.1.3          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level. All types of soil, 400 mm dia.             |
| 100.     | Boring bore well-rocky strata-300mm dia  | M    | 1,301.23 | 1        | 24.2.2.1          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level-Rocky strata including Boulders 300 mm dia. |
| 110.     | Boring bore well-rocky strata-350mm dia  | M    | 1,351.70 | 1        | 24.2.2.2          | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants &   |

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|----------|---|------|----------|----------|------------------|--|
|          |   |      |          |          |                  | machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level-Rocky strata including Boulders 350 mm dia.  |
| 120.     | Boring bore well-rocky strata-400mm dia | M    | 1,708.41 | 1        | 24.2.2.3         | Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer #in-charge, beyond 90 metre & upto 150 metre depth below ground level-Rocky strata including Boulders 400 mm dia. |
| 130.     | Fixing PVC CM pipe-100mm dia            | M    | 5.85     | 1        | 24.3.1           | Asembling, lowering and fixing in vertical position in bore well,unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc.all complete, for all depths, as per direction of Engineer #in-charge.100 mm nominal size dia   |
| 140.     | Fixing PVC CM pipe-150mm dia            | M    | 6.12     | 1        | 24.3.2           | Assembling, lowering and fixing in vertical position in bore well,unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc.all complete, for all depths, as per direction of Engineer   |



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|----------|-------------------------------|------|------|----------|------------------|---|
|          |                               |      |      |          |                  | #in-charge.150 mm nominal size dia  |
| 150.     | Fixing PVC CM pipe-200mm dia  | M    | 5.85 | 1        | 24.3.3           | Assembling, lowering and fixing in vertical position in bore well,unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc.all complete, for all depths, as per direction of Engineer #in-charge.200 mm nominal size dia |
| 160.     | Fixing PVC RMS pipe-100mm dia | M    | 6.12 | 1        | 24.4.1           | Assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete,for all depths, as per direction of Engineer-in-charge.100 mm nominal size dia                 |
| 170.     | Fixing PVC RMS pipe-150mm dia | M    | 6.12 | 1        | 24.4.2           | Assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete,for all depths, as per direction of Engineer-in-charge.150 mm nominal size dia                 |
| 180.     | Fixing PVC RMS pipe-200mm dia | M    | 6.21 | 1        | 24.4.3           | Assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete,for all  |

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| Item No. | Description                                 | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|--------|----------|-------------------|---|
|          |   |      |        |          |                   | depths, as per direction of Engineer-in-charge. 200 mm nominal size dia   |
| 190.     | Leveling stone boulder 5cm-20cm             | M3   | 148.98 | 1        | 24.5              | Filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.                                 |
| 200.     | Leveling gravels 5mm-10mm                   | M3   | 148.98 | 1        | 24.6              | Filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.   |
| 210.     | Leveling coarse sand 1.5mm-2mm              | M3   | 148.98 | 1        | 24.7              | Filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.                      |
| 220.     | Gravel packing in tubewell construction.    | M3   | 178.25 | 1        | 24.8              | Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge. |
| 230.     | Providing & fixing precast RCC drain covers | EA   | 39.55  | 1        | 24.9              | Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T.    |

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|----------|-------------------------------|------|-------|----------|------------------|---|
|          |                               |      |       |          |                  | hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer-in-charge.  |
| 240.     | Fixing casing pipes 100mm dia | M    | 65.09 | 1        | 24.10.1          | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make,including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.100 mm nominal size dia having minimum wall thickness 5.00 mm. |
| 250.     | Fixing casing pipes 150mm dia | M    | 77.44 | 1        | 24.10.2          | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make,including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.150 mm nominal size dia having minimum wall thickness 5.00 mm. |

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| Item No. | Description                     | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|---------------------------------|------|--------|----------|-------------------|---|
| 260.     | Fixing casing pipes 200mm dia   | M    | 88.98  | 1        | 24.10.3           | Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge. 200 mm nominal size dia having minimum wall thickness 5.00 mm.   |
| 270.     | Fixing bevel end pipe 100mm dia | M    | 144.72 | 1        | 24.11.1           | Assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/ 3.2 mm) mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumastic paint of approved brand and manufacture, including hire anticorrosive bitumastic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer in-charge. 100 mm nominal size dia. |
| 280.     | Fixing bevel end pipe 150mm dia | M    | 183.61 | 1        | 24.11.2           | Assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain  |

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|----------|--------------------------------|------|--------|----------|------------------|---|
|          |                                |      |        |          |                  | slotted (having slot of size 1.6/ 3.2 mm)mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia,conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer #in-charge.150 mm nominal size dia.  |
| 290.     | Fixing bevel end pipe 200mmdia | M    | 196.13 | 1        | 24.11.3          | Assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/ 3.2 mm)mild steel threaded and socketed / plain bevel ended pipe (type A) of required dia,conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer #in-charge.200 mm nominal size dia. |
| 300.     | Development of tube well with  | EA   | 824.92 | 1        | 24.12            | Development of tube well in accordance with IS : 2800   |

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| Item No. | Description                    | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|--------------------------------|------|------|----------|-------------------|--|
|          | compressor                     |      |      |          |                   | (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc.by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge. |
| 310.     | Fixing MS cap/plate- 100mm dia | EA   |      | 1        | 24.13.1           | Fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 100 mm dia   |
| 320.     | Fixing MS cap/plate- 150mm dia | EA   |      | 1        | 24.13.2           | Fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 150 mm dia   |
| 330.     | Fixing MS cap/plate- 200mm dia | EA   |      | 1        | 24.13.3           | Fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 200 mm dia   |

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| Item No. | Description                   | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|-------------------------------|------|--------|----------|-------------------|---|
| 340.     | Fixing M.S. clamp - 100mm     | EA   | 325.66 | 1        | 24.14.1           | Fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.-100 mm clamp |
| 350.     | Fixing M.S. clamp - 150mm     | EA   | 351.83 | 1        | 24.14.2           | Fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.-150 mm clamp |
| 360.     | Fixing M.S. clamp - 200mm     | EA   | 390.79 | 1        | 24.14.3           | Fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.-200 mm clamp |
| 370.     | Fixing Bail/Bottom plug-100mm | EA   | 13.18  | 1        | 24.15.1           | Fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I). 100 mm dia.   |
| 380.     | Fixing Bail/Bottom plug-150mm | EA   | 13.18  | 1        | 24.15.2           | Fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I). 150 mm dia.   |
| 390.     | Fixing Bail/Bottom plug-200mm | EA   | 13.18  | 1        | 24.15.3           | Fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I). 200 mm dia.   |

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| Item No.                                       | Description                              | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description  |
|--|--|------|--------|----------|------------------|---|
| <b>25 : Conservation of Heritage Buildings</b> |  |      |        |          |                  |   |
| 10.  | Raking out joints of stone masonry       | M2   | 40.88  | 1        | 25.1             | Raking out joints of stone masonry surface to the required width and depth, with due care and precaution, by mechanical / manual means, including preparing and cleaning the surface for re-pointing/ refilling of joints, including disposal of rubbish to the dumping ground within 50 metre lead.  |
| 20.  | Providing &fixing double scaffolding-25m | M2   | 166.13 | 1        | 25.2             | Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be mesured for payment purpose. (2) |



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| Item No. | Description                         | Unit | Rate   | Per Unit | Schudle Line No. | Detail Description   |
|----------|-------------------------------------|------|--------|----------|------------------|--|
|          |                                     |      |        |          |                  | The payment will be made once only for execution of all items of such works.   |
| 30.      | Cleaning the sand stone surface.    | M2   | 113.53 | 1        | 25.3             | "Cleaning the sand stone surface and removing dirt, dust, bird dropping, grease, oil,algae, fungus, monkey beats, vegetable growth etc., including providing, applying and washing the surface with liquid Ammonia Chemical of 5% solution and other chemical cleaning agent as approved by Archaeological Survey of India/ Engineer in-charge, of approved brand and manufacturer, with the help of required scrubbers and also cleaning with machine operated water jet mixed with desired quantity of fine silica where ever required, without causing any scratching/ damage to the stone surface and finally washing the surface with clean water with the help of pressure jet machine, complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building/ structure, all as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding)." |
| 40.      | Providing&applying antifungal wash. | M2   | 40.29  | 1        | 25.4             | Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved   |

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| Item No. | Description                              | Unit | Rate   | Per Unit | Schedule Line No. | Detail Description  |
|----------|--|------|--------|----------|-------------------|---|
|          |  |      |        |          |                   | except scaffolding).  |
| 50.      | Ruled/Flush pointing on masonry surface  | M2   | 216.25 | 1        | 25.5              | Ruled /Flush pointing on Red sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime: 1.5 surkhi (50% red and 50% light yellow surkhi ):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding).   |
| 60.      | Ruled/Flush pointing on masonry surface  | M2   | 216.25 | 1        | 25.6              | Ruled/ Flush pointing on White sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime:1.5 surkhi (15% dark red and 85% light yellow surkhi ):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding).   |
| 70.      | Applying two/more coat of Ethyl silicate | M2   | 41.25  | 1        | 25.7              | Applying two or more coat of Ethyl Silicate chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with brush or spray on the existing stone masonry surface till there is no further absorption of chemical by stone surface, including protecting the applied surface from direct sunlight by suitable means during application, all complete as per direction of the Engineer-in-Charge (The rate is inclusive of all materials & labours involved except scaffolding). |
| 80.      | Applying water repellant                 | M2   | 28.56  | 1        | 25.8              | Applying breathable, non-reactive, antifungal, and water  |

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| Item No. | Description     | Unit | Rate | Per Unit | Schedule Line No. | Detail Description   |
|----------|-----------------|------|------|----------|-------------------|--|
|          | Silane/Siloxane |      |      |          |                   | repellant Silane/ Siloxane chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the existing sand stone masonry surface with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer-In-charge (The rate is inclusive of all materials & labours involved except scaffolding). |

**26-38 : Blank**

**39 B : (W/OUT F-R) Quarry Materials for Tender**

**39.B.01 : CHANDMARI**

|     |                                     |    |          |   |                |   |
|-----|-------------------------------------|----|----------|---|----------------|---|
| 10. | Supply of Local bricks- First Class | NO | 11.55    | 1 | NMRM-0001(CHN) | Supply of <b><u>Local bricks</u></b> - First Class  |
| 20. | Supply of Full size jhama Bricks    | NO | 10.64    | 1 | NMRM-0002(CHN) | Supply of <b><u>Full size jhama Bricks</u></b> (slightly over burnt not badly out of shape) |
| 30. | Boulder(225mm - 150mm)              | M3 | 1,781.59 | 1 | NMRM-0003(CHN) | Supply of Boulder-225mm graded down to 150mm-hard and clean                                 |
| 40. | Boulder(150mm - 100mm)              | M3 | 1,850.24 | 1 | NMRM-0004(CHN) | Supply of Boulder-150mm graded down to 100mm-hard and clean                                 |
| 50. | Gravel (65mm graded down to         | M3 | 1,772.04 | 1 | NMRM-          | Supply of Gravel (65mm graded down to 25mm), hard,  |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description  |
|----------|---|------|-----------|----------|-------------------|---|
|          | 25mm)                                   |      |           |          | 0005(CHN)         | clean and free from foreign materials   |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,334.68  | 1        | NMRM-0008(CHN)    | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,496.04  | 1        | NMRM-0009(CHN)    | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,373.49  | 1        | NMRM-0010(CHN)    | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disintegrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,738.04  | 1        | NMRM-0015(CHN)    | Supply of Broken stone-Boulder broken 25mm graded down to 12mm, hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 1,906.59  | 1        | NMRM-0016(CHN)    | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 43.00     | 1        | NMRM-0017(CHN)    | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 45.25     | 1        | NMRM-0018(CHN)    | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Jati Bamboo matured.                    | PHP  | 15,836.60 | 1        | NMRM-0019(CHN)    | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long   |
| 140.     | Bhaluka Bamboo matured.                 | PHP  | 25,036.60 | 1        | NMRM-0020(CHN)    | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots  |
| 150.     | Bamboo mat(2m x 1.2m)                   | EA   | 190.86    | 1        | NMRM-0021(CHN)    | Bamboo mat(2m x 1.2m)   |

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| Item No.                             | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|--------------------------------------|--|------|----------|----------|------------------|---|
| 160.                                 | Timber for shuttering.                   | DM3  | 24.73    | 1        | NMRM-0022(CHN)   | Supply of Timber for shuttering   |
| 170.                                 | Bamboo mat(2m x 2m).                     | EA   | 318.09   | 1        | NMRM-0023(CHN)   | Supply of Bamboo mat(2m x 2m)   |
| 180.                                 | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22 | 1        | NMRM-0024(CHN)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)   |
| 190.                                 | Timber Ist class(Tita chapa).            | DM3  | 76.74    | 1        | NMRM-0025(CHN)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                           |
| 200.                                 | Sand for general use.                    | M3   | 1,175.65 | 1        | NMRM-0026(CHN)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.                                 | Jhama bricks bats.                       | M3   | 2,197.85 | 1        | NMRM-0027(CHN)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                         |
| 220.                                 | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,373.49 | 1        | NMRM-0031(CHN)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)   |
| 230.                                 | Supply of Stone Dust.                    | M3   | 1,508.69 | 1        | NMRM-0032(CHN)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                   |
| 240.                                 | Broken stone-Boulder broken(18mm-10mm)   | M3   | 2,680.54 | 1        | NMRM-0034(CHN)   | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean                           |
| <b>39.B.02 : DIGBOI/MAKUM/HAPJAN</b> |  |      |          |          |                  |   |
| 10.                                  | Supply of Local bricks- First Class      | NO   | 11.85    | 1        | NMRM-0001(D/M/H) | Supply of <b>Local bricks</b> - First Class   |
| 20.                                  | Supply of Full size jhama Bricks         | NO   | 10.64    | 1        | NMRM-0002(D/M/H) | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)                      |
| 30.                                  | Boulder(225mm - 150mm)                   | M3   | 1,747.50 | 1        | NMRM-            | Supply of Boulder-225mm graded down to 150mm-hard   |

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|----------|---|------|-----------|----------|------------------|---|
|          |   |      |           |          | 0003(D/M/H)      | and clean   |
| 40.      | Boulder(150mm - 100mm)                  | M3   | 1,792.16  | 1        | NMRM-0004(D/M/H) | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.      | Gravel (65mm graded down to 25mm)       | M3   | 1,713.96  | 1        | NMRM-0005(D/M/H) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,298.75  | 1        | NMRM-0008(D/M/H) | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,437.96  | 1        | NMRM-0009(D/M/H) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,315.41  | 1        | NMRM-0010(D/M/H) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,679.96  | 1        | NMRM-0015(D/M/H) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 1,848.51  | 1        | NMRM-0016(D/M/H) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 43.00     | 1        | NMRM-0017(D/M/H) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 45.25     | 1        | NMRM-0018(D/M/H) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Jati Bamboo matured.                    | PHP  | 16,387.22 | 1        | NMRM-            | Supply of <b>Jati Bamboo</b> matured and of straight length not   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schedule Line No. | Detail Description   |
|----------|--|------|-----------|----------|-------------------|--|
|          |  |      |           |          | 0019(D/M/H)       | less than 8 meters long  |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 25,587.22 | 1        | NMRM-0020(D/M/H)  | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 190.86    | 1        | NMRM-0021(D/M/H)  | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.73     | 1        | NMRM-0022(D/M/H)  | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 318.09    | 1        | NMRM-0023(D/M/H)  | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(D/M/H)  | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.74     | 1        | NMRM-0025(D/M/H)  | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,131.60  | 1        | NMRM-0026(D/M/H)  | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.     | Jhama bricks bats.                       | M3   | 2,290.05  | 1        | NMRM-0027(D/M/H)  | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                          |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,315.41  | 1        | NMRM-0031(D/M/H)  | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,450.61  | 1        | NMRM-0032(D/M/H)  | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                    |
| 240.     | Broken stone-Boulder broken(18mm-10mm)   | M3   | 2,622.46  | 1        | NMRM-0034(D/M/H)  | Broken stone (Boulder broken 18mm Greaded down to 10mm) hard & clean                                       |

**39.B.03 : DIKOM/KATHALONI/TENGAKHAT/RAJGARH/DE**

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No.   | Detail Description  |
|----------|---|------|----------|----------|--------------------|---|
| 10.      | Supply of Local bricks- First Class     | NO   | 11.74    | 1        | NMRM-0001(DKM/K/T) | Supply of <b>Local bricks</b> - First Class   |
| 20.      | Supply of Full size jhama Bricks        | NO   | 9.98     | 1        | NMRM-0002(DKM/K/T) | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.      | Boulder(225mm - 150mm)                  | M3   | 1,679.30 | 1        | NMRM-0003(DKM/K/T) | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.      | Boulder(150mm - 100mm)                  | M3   | 1,724.20 | 1        | NMRM-0004(DKM/K/T) | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.      | Gravel (65mm graded down to 25mm)       | M3   | 1,646.00 | 1        | NMRM-0005(DKM/K/T) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,226.90 | 1        | NMRM-0008(DKM/K/T) | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,370.00 | 1        | NMRM-0009(DKM/K/T) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,247.45 | 1        | NMRM-0010(DKM/K/T) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken            | M3   | 2,612.00 | 1        | NMRM-              | Supply of Broken stone-Boulder broken   |



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| Item No. | Description                            | Unit | Rate      | Per Unit | Schudle Line No.   | Detail Description   |
|----------|--|------|-----------|----------|--------------------|--|
|          | 25mm-12mm)                             |      |           |          | 0015(DKM/K/T)      | (25mm graded down to 12mm), hard and clean.  |
| 100.     | Broken stone-Boulder broken(06mm-02mm) | M3   | 1,780.55  | 1        | NMRM-0016(DKM/K/T) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .                           |
| 110.     | 1st class Hollock timber (Scantling)   | DM3  | 42.62     | 1        | NMRM-0017(DKM/K/T) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.                  |
| 120.     | 1st class Hollock timber (Planks)      | DM3  | 44.85     | 1        | NMRM-0018(DKM/K/T) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                   | PHP  | 15,616.36 | 1        | NMRM-0019(DKM/K/T) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                | PHP  | 24,816.36 | 1        | NMRM-0020(DKM/K/T) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                  | EA   | 189.03    | 1        | NMRM-0021(DKM/K/T) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                 | DM3  | 24.50     | 1        | NMRM-0022(DKM/K/T) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                   | EA   | 315.06    | 1        | NMRM-0023(DKM/K/T) | Supply of Bamboo mat(2m x 2m)  |

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| Item No.                           | Description                              | Unit | Rate     | Per Unit | Schudle Line No.   | Detail Description  |
|------------------------------------|--|------|----------|----------|--------------------|---|
| 180.                               | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41 | 1        | NMRM-0024(DKM/K/T) | Supply of Thatch(Grith of 30 cm having 10 bundles each)   |
| 190.                               | Timber 1st class(Tita chapa).            | DM3  | 76.06    | 1        | NMRM-0025(DKM/K/T) | Supply of Timber 1st class( <b>Tita chapa</b> ),free from knots and weak spots.                           |
| 200.                               | Sand for general use.                    | M3   | 1,190.94 | 1        | NMRM-0026(DKM/K/T) | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.                               | Jhama bricks bats.                       | M3   | 2,474.45 | 1        | NMRM-0027(DKM/K/T) | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                         |
| 220.                               | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,247.45 | 1        | NMRM-0031(DKM/K/T) | Supply of Broken stone (Boulder broken 12 mm to 6 mm)   |
| 230.                               | Supply of Stone Dust.                    | M3   | 1,382.65 | 1        | NMRM-0032(DKM/K/T) | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                   |
| 240.                               | Broken stone-Boulder broken(18mm-10mm)   | M3   | 2,554.50 | 1        | NMRM-0034(DKM/K/T) | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean                           |
| <b>39.B.04 : DOOMDOOMA/BAGHJAN</b> |  |      |          |          |                    |   |
| 10.                                | Supply of Local bricks- First Class      | NO   | 12.26    | 1        | NMRM-0001(DUM/B)   | Supply of <b>Local bricks</b> - First Class   |
| 20.                                | Supply of Full size jhama Bricks         | NO   | 11.20    | 1        | NMRM-0002(DUM/B)   | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)                      |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 30.      | Boulder(225mm - 150mm)                  | M3   | 1,952.07 | 1        | NMRM-0003(DUM/B) | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.      | Boulder(150mm - 100mm)                  | M3   | 2,003.19 | 1        | NMRM-0004(DUM/B) | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.      | Gravel (65mm graded down to 25mm)       | M3   | 1,924.99 | 1        | NMRM-0005(DUM/B) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,514.31 | 1        | NMRM-0008(DUM/B) | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,648.99 | 1        | NMRM-0009(DUM/B) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,526.44 | 1        | NMRM-0010(DUM/B) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,890.99 | 1        | NMRM-0015(DUM/B) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 2,059.54 | 1        | NMRM-0016(DUM/B) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 43.00    | 1        | NMRM-0017(DUM/B) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 45.25    | 1        | NMRM-            | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free   |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          | 0018(DUM/B)      | from knots & cracks.   |
| 130.     | Jati Bamboo matured.                     | PHP  | 17,047.97 | 1        | NMRM-0019(DUM/B) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 26,247.97 | 1        | NMRM-0020(DUM/B) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 190.86    | 1        | NMRM-0021(DUM/B) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.73     | 1        | NMRM-0022(DUM/B) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 318.09    | 1        | NMRM-0023(DUM/B) | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(DUM/B) | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.74     | 1        | NMRM-0025(DUM/B) | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,129.76  | 1        | NMRM-0026(DUM/B) | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.     | Jhama bricks bats.                       | M3   | 2,751.04  | 1        | NMRM-0027(DUM/B) | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                          |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,526.44  | 1        | NMRM-0031(DUM/B) | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,661.64  | 1        | NMRM-0032(DUM/B) | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                    |
| 240.     | Broken stone-Boulder                     | M3   | 2,833.49  | 1        | NMRM-            | Supply of broken stone-Boulder broken(18mm graded -  |

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| Item No.                                  | Description                             | Unit | Rate     | Per Unit | Schudle Line No.    | Detail Description  |
|---|---|------|----------|----------|---------------------|---|
|   | broken(18mm-10mm)                       |      |          |          | 0034(DUM/B)         | down to 10mm) heard & clean   |
| <b>39.B.05 : JORAJAN/SHALMARI/TINIALI</b> |   |      |          |          |                     |   |
| 10.                                       | Supply of Local bricks- First Class     | NO   | 11.82    | 1        | NMRM-0001(J/S/TIN ) | Supply of <b>Local bricks</b> - First Class   |
| 20.                                       | Supply of Full size jhama Bricks        | NO   | 10.17    | 1        | NMRM-0002(J/S/TIN ) | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.                                       | Boulder(225mm - 150mm)                  | M3   | 1,679.30 | 1        | NMRM-0003(J/S/TIN ) | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.                                       | Boulder(150mm - 100mm)                  | M3   | 1,727.88 | 1        | NMRM-0004(J/S/TIN ) | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.                                       | Gravel (65mm graded down to 25mm)       | M3   | 1,649.68 | 1        | NMRM-0005(J/S/TIN ) | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.                                       | Supply of Sand Shingle.                 | M3   | 1,132.06 | 1        | NMRM-0008(J/S/TIN ) | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.    |
| 70.                                       | Supply of Granular materials.           | M3   | 1,373.68 | 1        | NMRM-0009(J/S/TIN ) | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.    |
| 80.                                       | Supply of Hand broken stone (63mm-45mm) | M3   | 2,251.13 | 1        | NMRM-0010(J/S/TIN ) | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign |

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| Item No. | Description                             | Unit | Rate      | Per Unit | Schedule Line No.   | Detail Description   |
|----------|---|------|-----------|----------|---------------------|--|
|          |   |      |           |          |                     | matters( <b>63mm to 45mm graded</b> )  |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,615.68  | 1        | NMRM-0015(J/S/TIN ) | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.                          |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 1,784.23  | 1        | NMRM-0016(J/S/TIN ) | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .                           |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 42.62     | 1        | NMRM-0017(J/S/TIN ) | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.                  |
| 120.     | 1st class Hollock timber (Planks)       | DM3  | 44.85     | 1        | NMRM-0018(J/S/TIN ) | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                    | PHP  | 16,203.68 | 1        | NMRM-0019(J/S/TIN ) | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                 | PHP  | 25,403.68 | 1        | NMRM-0020(J/S/TIN ) | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                   | EA   | 189.03    | 1        | NMRM-0021(J/S/TIN ) | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                  | DM3  | 24.50     | 1        | NMRM-0022(J/S/TIN ) | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                    | EA   | 315.06    | 1        | NMRM-               | Supply of Bamboo mat(2m x 2m)  |

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| Item No.               | Description                              | Unit | Rate     | Per Unit | Schudle Line No.    | Detail Description  |
|------------------------|--|------|----------|----------|---------------------|---|
|                        |  |      |          |          | 0023(J/S/TIN )      |   |
| 180.                   | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41 | 1        | NMRM-0024(J/S/TIN ) | Supply of Thatch(Grith of 30 cm having 10 bundles each)   |
| 190.                   | Timber Ist class(Tita chapa).            | DM3  | 76.06    | 1        | NMRM-0025(J/S/TIN ) | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                           |
| 200.                   | Sand for general use.                    | M3   | 976.81   | 1        | NMRM-0026(J/S/TIN ) | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.                   | Jhama bricks bats.                       | M3   | 2,843.24 | 1        | NMRM-0027(J/S/TIN ) | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                         |
| 220.                   | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,251.13 | 1        | NMRM-0031(J/S/TIN ) | Supply of Broken stone (Boulder broken 12 mm to 6 mm)   |
| 230.                   | Supply of Stone Dust.                    | M3   | 1,386.33 | 1        | NMRM-0032(J/S/TIN ) | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.                   |
| 240.                   | Broken stone-Boulder broken(18mm-10mm)   | M3   | 2,558.18 | 1        | NMRM-0034(J/S/TIN ) | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean                           |
| <b>39.B.06 : MORAN</b> |  |      |          |          |                     |   |
| 10.                    | Supply of Local bricks- First Class      | NO   | 11.23    | 1        | NMRM-0001(MRN)      | Supply of <b>Local bricks</b> - First Class   |

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| Item No. | Description                             | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|---|------|----------|----------|------------------|---|
| 20.      | Supply of Full size jhama Bricks        | NO   | 9.24     | 1        | NMRM-0002(MRN)   | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.      | Boulder(225mm - 150mm)                  | M3   | 1,747.50 | 1        | NMRM-0003(MRN)   | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.      | Boulder(150mm - 100mm)                  | M3   | 1,773.76 | 1        | NMRM-0004(MRN)   | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.      | Gravel (65mm graded down to 25mm)       | M3   | 1,695.56 | 1        | NMRM-0005(MRN)   | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.      | Supply of Sand Shingle.                 | M3   | 1,298.75 | 1        | NMRM-0008(MRN)   | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials.           | M3   | 1,419.56 | 1        | NMRM-0009(MRN)   | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm) | M3   | 2,297.01 | 1        | NMRM-0010(MRN)   | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 25mm-12mm) | M3   | 2,661.56 | 1        | NMRM-0015(MRN)   | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.   |
| 100.     | Broken stone-Boulder broken(06mm-02mm)  | M3   | 1,830.11 | 1        | NMRM-0016(MRN)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)    | DM3  | 42.62    | 1        | NMRM-            | Supply of 1st class seasoned Hollock timber   |



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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          | 0017(MRN)        | ( <b>Scantling</b> )free from knots & cracks.  |
| 120.     | 1st class Hollock timber (Planks)        | DM3  | 44.85     | 1        | NMRM-0018(MRN)   | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                     | PHP  | 15,653.06 | 1        | NMRM-0019(MRN)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 24,853.06 | 1        | NMRM-0020(MRN)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 189.03    | 1        | NMRM-0021(MRN)   | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.50     | 1        | NMRM-0022(MRN)   | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 315.06    | 1        | NMRM-0023(MRN)   | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41  | 1        | NMRM-0024(MRN)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.06     | 1        | NMRM-0025(MRN)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 1,433.82  | 1        | NMRM-0026(MRN)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish  |
| 210.     | Jhama bricks bats.                       | M3   | 2,020.12  | 1        | NMRM-0027(MRN)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                          |
| 220.     | Broken stone-Boulder broken(12mm-06mm)   | M3   | 2,297.01  | 1        | NMRM-0031(MRN)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)  |
| 230.     | Supply of Stone Dust.                    | M3   | 1,432.21  | 1        | NMRM-            | Supply of Stone crusher dust finer than 3mm with not   |

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| Item No.                   | Description                             | Unit | Rate     | Per Unit | Schedule Line No. | Detail Description  |
|----------------------------|---|------|----------|----------|-------------------|---|
|                            |   |      |          |          | 0032(MRN)         | more than 10% passing 0.075 sieve.  |
| 240.                       | Broken stone-Boulder broken(18mm-10mm)  | M3   | 2,604.06 | 1        | NMRM-0034(MRN)    | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean   |
| <b>39.B.07 : NHK (N/S)</b> |   |      |          |          |                   |   |
| 10.                        | Supply of Local bricks- First Class     | NO   | 11.74    | 1        | NMRM-0001(NHK)    | Supply of <b>Local bricks</b> - First Class   |
| 20.                        | Supply of Full size jhama Bricks        | NO   | 10.27    | 1        | NMRM-0002(NHK)    | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)  |
| 30.                        | Boulder(225mm - 150mm)                  | M3   | 1,474.72 | 1        | NMRM-0003(NHK)    | Supply of Boulder-225mm graded down to 150mm-hard and clean   |
| 40.                        | Boulder(150mm - 100mm)                  | M3   | 1,544.34 | 1        | NMRM-0004(NHK)    | Supply of Boulder-150mm graded down to 100mm-hard and clean   |
| 50.                        | Gravel (65mm graded down to 25mm)       | M3   | 1,466.14 | 1        | NMRM-0005(NHK)    | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials  |
| 60.                        | Supply of Sand Shingle.                 | M3   | 1,011.33 | 1        | NMRM-0008(NHK)    | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.    |
| 70.                        | Supply of Granular materials.           | M3   | 1,190.14 | 1        | NMRM-0009(NHK)    | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.    |
| 80.                        | Supply of Hand broken stone (63mm-45mm) | M3   | 2,067.59 | 1        | NMRM-0010(NHK)    | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description   |
|----------|--|------|-----------|----------|------------------|--|
|          |  |      |           |          |                  | matters( <b>63mm to 45mm graded</b> )  |
| 90.      | Broken stone (Boulder broken 25mm-12mm)  | M3   | 2,432.14  | 1        | NMRM-0015(NHK)   | Supply of Broken stone-Boulder broken (25mm graded down to 12mm), hard and clean.                          |
| 100.     | Broken stone-Boulder broken(06mm-02mm)   | M3   | 1,600.69  | 1        | NMRM-0016(NHK)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .                           |
| 110.     | 1st class Hollock timber (Scantling)     | DM3  | 42.62     | 1        | NMRM-0017(NHK)   | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.                  |
| 120.     | 1st class Hollock timber (Planks)        | DM3  | 44.85     | 1        | NMRM-0018(NHK)   | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.                     |
| 130.     | Jati Bamboo matured.                     | PHP  | 15,653.06 | 1        | NMRM-0019(NHK)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long                    |
| 140.     | Bhaluka Bamboo matured.                  | PHP  | 24,853.06 | 1        | NMRM-0020(NHK)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots |
| 150.     | Bamboo mat(2m x 1.2m)                    | EA   | 189.03    | 1        | NMRM-0021(NHK)   | Bamboo mat(2m x 1.2m)  |
| 160.     | Timber for shuttering.                   | DM3  | 24.50     | 1        | NMRM-0022(NHK)   | Supply of Timber for shuttering  |
| 170.     | Bamboo mat(2m x 2m).                     | EA   | 315.06    | 1        | NMRM-0023(NHK)   | Supply of Bamboo mat(2m x 2m)  |
| 180.     | Thatch(Grith of 30 cm having 10 bundles) | HBL  | 2,268.41  | 1        | NMRM-0024(NHK)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)  |
| 190.     | Timber Ist class(Tita chapa).            | DM3  | 76.06     | 1        | NMRM-0025(NHK)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                            |
| 200.     | Sand for general use.                    | M3   | 944.38    | 1        | NMRM-            | Supply of <b>Sand</b> for general use with normal moisture   |

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| Item No.   | Description                            | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description   |
|--|--|------|----------|----------|------------------|--|
|  |  |      |          |          | 0026(NHK)        | content to be clean and free from clay rubbish   |
| 210.   | Jhama bricks bats.                     | M3   | 2,290.05 | 1        | NMRM-0027(NHK)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick        |
| 220.   | Broken stone-Boulder broken(12mm-06mm) | M3   | 2,067.59 | 1        | NMRM-0031(NHK)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)                                    |
| 230.   | Supply of Stone Dust.                  | M3   | 1,202.79 | 1        | NMRM-0032(NHK)   | Supply of Stone crusher dust finer than 3mm with not more than 10% passing 0.075 sieve.  |
| 240.   | Broken stone-Boulder broken(18mm-10mm) | M3   | 2,374.64 | 1        | NMRM-0034(NHK)   | Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean          |
| <b>39 C : (Arunachal) Supply of Quarry Materials</b> |  |      |          |          |                  |  |
| <b>39.C.01 : KUMCHAI W.E.F 22.08.2022</b>            |  |      |          |          |                  |  |
| 10.  | Supply of Local Bricks - First Class   | NO   | 11.85    | 1        | NMRM-0001(KUM)   | Supply of <b>Local bricks</b> - First Class  |
| 20.  | Supply of Full size Jhama Bricks       | NO   | 10.64    | 1        | NMRM-0002(KUM)   | Supply of <b>Full size jhama Bricks</b> (slightly over burnt not badly out of shape)     |
| 30.  | Supply of Boulder (225 mm to 150 mm)   | M3   | 1,970.46 | 1        | NMRM-0003(KUM)   | Supply of Boulder-225mm graded down to 150mm-hard and clean                              |
| 40.  | Supply of Boulder (150 mm to 100 mm)   | M3   | 2,014.96 | 1        | NMRM-0004(KUM)   | Supply of Boulder-150mm graded down to 100mm-hard and clean                              |
| 50.  | Supply of Gravel (65 mm to 25 mm)      | M3   | 1,884.89 | 1        | NMRM-0005(KUM)   | Supply of Gravel (65mm graded down to 25mm), hard, clean and free from foreign materials |
| 60.  | Supply of Sand Shingle                 | M3   | 1,390.19 | 1        | NMRM-            | Supply of <b>Sand Shingle</b> (containing 60 to 80% sand & 40                            |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|-----------|----------|------------------|---|
|          |  |      |           |          | 0008(KUM)        | to 20% shingle of size 20mm graded down to 5mm), clean and free from clay and rubbish etc.  |
| 70.      | Supply of Granular materials             | M3   | 1,561.11  | 1        | NMRM-0009(KUM)   | Supply of approved quality granular materials from approved quarry, free from organic matter including <b>stacking</b> in measurable stacks as directed.  |
| 80.      | Supply of Hand broken stone (63mm-45mm)  | M3   | 2,492.22  | 1        | NMRM-0010(KUM)   | Supply of <b>Hand broken hard stone metal</b> from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters( <b>63mm to 45mm graded</b> ) |
| 90.      | Broken stone (Boulder broken 18-10mm)    | M3   | 2,805.58  | 1        | NMRM-0015(KUM)   | Supply of Broken stone-Boulder broken(18mm graded down to 10mm), hard and clean.  |
| 100.     | Broken stone (Boulder broken, 06mm-02mm) | M3   | 2,027.48  | 1        | NMRM-0016(KUM)   | Supply of Broken stone(Boulder broken)(6mm graded down to 2mm), hard and clean .  |
| 110.     | 1st class Hollock timber (Scantling)     | DM3  | 43.00     | 1        | NMRM-0017(KUM)   | Supply of 1st class seasoned Hollock timber ( <b>Scantling</b> )free from knots & cracks.   |
| 120.     | Supply-1st class Hollock timber (Planks) | DM3  | 45.25     | 1        | NMRM-0018(KUM)   | Supply of 1st class seasoned Hollock timber ( <b>Plank</b> ) free from knots & cracks.  |
| 130.     | Supply of Jati Bamboo matured.           | PHP  | 16,387.22 | 1        | NMRM-0019(KUM)   | Supply of <b>Jati Bamboo</b> matured and of straight length not less than 8 meters long   |
| 140.     | Supply of Bhaluka Bamboo matured.        | PHP  | 25,587.22 | 1        | NMRM-0020(KUM)   | <b>Supply of Bhaluka Bamboo</b> matured and straight length not less than 5m. long and free from all knots  |
| 150.     | Supply of Bamboo mat (2m x 1.2m)         | EA   | 190.86    | 1        | NMRM-0021(KUM)   | Bamboo mat(2m x 1.2m)   |
| 160.     | Supply of Timber for shuttering.         | DM3  | 24.73     | 1        | NMRM-0022(KUM)   | Supply of Timber for shuttering   |

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| Item No. | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description  |
|----------|--|------|----------|----------|------------------|---|
| 170.     | Supply of Bamboo mat (2m x 2m).          | EA   | 318.09   | 1        | NMRM-0023(KUM)   | Supply of Bamboo mat(2m x 2m)   |
| 180.     | Thatch(Girth of 30 cm having 10 bundles) | HBL  | 2,290.22 | 1        | NMRM-0024(KUM)   | Supply of Thatch(Grith of 30 cm having 10 bundles each)   |
| 190.     | Supply of Timber Ist class (Tita chapa)  | DM3  | 76.74    | 1        | NMRM-0025(KUM)   | Supply of Timber Ist class( <b>Tita chapa</b> ),free from knots and weak spots.                           |
| 200.     | Supply of Sand for general use           | M3   | 1,253.93 | 1        | NMRM-0026(KUM)   | Supply of <b>Sand</b> for general use with normal moisture content to be clean and free from clay rubbish |
| 210.     | Supply of Jhama bricks bats.             | M3   | 2,290.05 | 1        | NMRM-0027(KUM)   | Supply of <b>Jhama bricks bats</b> -each bat not smaller then 1/3 of a full brick                         |
| 220.     | Broken stone -Boulder broken (12mm-06mm) | M3   | 2,497.27 | 1        | NMRM-0031(KUM)   | Supply of Broken stone (Boulder broken 12 mm to 6 mm)   |
| 230.     | Supply of Stone Dust.                    | M3   | 1,518.80 | 1        | NMRM-0032(KUM)   | Supply of Stone Dust.   |
| 240.     | Broken stone (Boulder broken 40-20mm)    | M3   | 2,567.29 | 1        | NMRM-0034(KUM)   | Broken stone (Boulder broken 25mm-12mm)   |
| 250.     | Broken stone (Boulder broken 25-12mm)    | M3   | 1,936.87 | 1        | NMRM-0035(KUM)   |   |
| 260.     | Supply of Pea Gravel(13 to 6 mm)         | M3   | 1,281.07 | 1        | NMRM-0036(KUM)   |   |
| 270.     | supply of Pea Gravel(20 to 10 mm)        | M3   | 1,175.38 | 1        | NMRM-0037(KUM)   |   |
| 280.     | Wooden Ballii 4mx100mmx50mm              | NO   | 50.43    | 1        | NMRM-0038(KUM)   |   |
| 290.     | Wooden Ballii 2mx100mmx50mm              | NO   | 50.69    | 1        | NMRM-            |   |

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| Item No.                                   | Description                              | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description |
|--|--|------|----------|----------|------------------|--------------------|
|  |  |      |          |          | 0039(KUM)        |                    |
| 300.                                       | Supply of Bamboo(DOLO/KALO)              | PHP  | 3,210.85 | 1        | NMRM-0040(KUM)   |                    |
| <b>39.C.02 : MANABHUM W.E.F 22.08.2022</b> |  |      |          |          |                  |                    |
| 10.  | Supply of Local Bricks - First Class     | NO   | 12.68    | 1        | NMRM-0001(MAN)   |                    |
| 20.  | Supply of Full size Jhama Bricks         | NO   | 11.49    | 1        | NMRM-0002(MAN)   |                    |
| 30.  | Supply of Boulder (225 mm to 150 mm)     | M3   | 1,397.91 | 1        | NMRM-0003(MAN)   |                    |
| 40.  | Supply of Boulder (150 mm to 100 mm)     | M3   | 1,427.22 | 1        | NMRM-0004(MAN)   |                    |
| 50.  | Supply of Gravel (65 mm to 25 mm)        | M3   | 1,334.66 | 1        | NMRM-0005(MAN)   |                    |
| 60.  | Supply of Sand Shingle                   | M3   | 866.06   | 1        | NMRM-0008(MAN)   |                    |
| 70.  | Supply of Granular materials             | M3   | 991.58   | 1        | NMRM-0009(MAN)   |                    |
| 80.  | Supply of Hand broken stone (63mm-45mm)  | M3   | 1,796.84 | 1        | NMRM-0010(MAN)   |                    |
| 90.  | Broken stone (Boulder broken 18-10mm)    | M3   | 3,204.92 | 1        | NMRM-0015(MAN)   |                    |
| 100.                                       | Broken stone (Boulder broken, 06mm-02mm) | M3   | 2,324.04 | 1        | NMRM-0016(MAN)   |                    |
| 110.                                       | 1st class Hollock timber (Scantling)     | DM3  | 43.00    | 1        | NMRM-            |                    |

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| Item No. | Description                              | Unit | Rate      | Per Unit | Schudle Line No. | Detail Description |
|----------|--|------|-----------|----------|------------------|--------------------|
|          |  |      |           |          | 0017(MAN)        |                    |
| 120.     | Supply-1st class Hollock timber (Planks) | DM3  | 45.25     | 1        | NMRM-0018(MAN)   |                    |
| 130.     | Supply of Jati Bamboo matured.           | PHP  | 14,340.67 | 1        | NMRM-0019(MAN)   |                    |
| 140.     | Supply of Bhaluka Bamboo matured.        | PHP  | 25,587.22 | 1        | NMRM-0020(MAN)   |                    |
| 150.     | Supply of Bamboo mat (2m x 1.2m)         | EA   | 190.86    | 1        | NMRM-0021(MAN)   |                    |
| 160.     | Supply of Timber for shuttering.         | DM3  | 24.73     | 1        | NMRM-0022(MAN)   |                    |
| 170.     | Supply of Bamboo mat (2m x 2m).          | EA   | 318.09    | 1        | NMRM-0023(MAN)   |                    |
| 180.     | Thatch(Girth of 30 cm having 10 bundles) | HBL  | 2,290.22  | 1        | NMRM-0024(MAN)   |                    |
| 190.     | Supply of Timber Ist class (Tita chapa)  | DM3  | 76.74     | 1        | NMRM-0025(MAN)   |                    |
| 200.     | Supply of Sand for general use           | M3   | 801.26    | 1        | NMRM-0026(MAN)   |                    |
| 210.     | Supply of Jhama bricks bats.             | M3   | 2,628.14  | 1        | NMRM-0027(MAN)   |                    |
| 220.     | Broken stone -Boulder broken (12mm-06mm) | M3   | 2,497.27  | 1        | NMRM-0031(MAN)   |                    |
| 230.     | Supply of Stone Dust.                    | M3   | 1,518.80  | 1        | NMRM-0032(MAN)   |                    |



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| Item No. | Description                           | Unit | Rate     | Per Unit | Schudle Line No. | Detail Description |
|----------|---------------------------------------|------|----------|----------|------------------|--------------------|
| 240.     | Broken stone (Boulder broken 40-20mm) | M3   | 2,933.08 | 1        | NMRM-0034(MAN)   |                    |
| 250.     | Broken stone (Boulder broken 25-12mm) | M3   | 2,182.89 | 1        | NMRM-0035(MAN)   |                    |
| 260.     | Supply of Pea Gravel(13 to 6 mm)      | M3   | 1,057.60 | 1        | NMRM-0036(MAN)   |                    |
| 270.     | supply of Pea Gravel(20 to 10 mm)     | M3   | 951.90   | 1        | NMRM-0037(MAN)   |                    |
| 280.     | Wooden Ballii 4mx100mmx50mm           | NO   | 50.43    | 1        | NMRM-0038(MAN)   |                    |
| 290.     | Wooden Ballii 2mx100mmx50mm           | NO   | 50.69    | 1        | NMRM-0039(MAN)   |                    |
| 300.     | Supply of Bamboo(DOLO/KALO)           | PHP  | 3,046.19 | 1        | NMRM-0040(MAN)   |                    |