GENERAL NOTIFICATION
Civil Engineering Department
OIL INDIA LIMITED

OIL's Schedule of Rates (SOR)

Ref: GM-(Civ.).3/34-0884/2023 Date: 18.05.2023

This is for general information to all OIL's Registered Civil Contractors that OIL's prevailing SOR has been 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. 01.04.2023 as per Circular Ref. No. CONT/HOD/H/55/2023-24 dated 06.05.2023 has been adopted in the prevailing SOR which are as follows:

- Unskilled labour: ₹ 494
- Semi-skilled labour: ₹ 577
- Skilled labour: ₹ 695
- Highly skilled labour: ₹ 816

(D. D. Saikia)
GM-Civil (HoD)
For **Resident Chief Executive**

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OIL INDIA LIMITED

Civil Engineering Deptt.

SOR_CPWD_OIL WEF 15.05.2023

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
02 : EARTH WORK						
10.	SURFACEXCAVN.ALLSOIL-DEPTH UPTO 30 CM	M2	71.15	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 ROUGHEXCAVN.BANKINGEARTH INLAYERS	M3	575.82	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.	BANKINGEXCAVATD EARTH IN 20CMTHICKLAYERS	M3	363.52	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	3.70-	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	26.81-	1	2.5	:Deduct for not watering the excavated earth for banking
60.	E/W IN EXCAVATION,DEPTH>30CM-ALL SOIL"	M3	152.59	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	293.00	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	491.12	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	829.22	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	206.72	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	367.11	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	568.10	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	878.72	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	178.12	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.
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 for depth upto 1.5 metre).

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150.	CUT TRENCH-DPTH1.5M-PIPEDIA>80 MM,<300M	M	290.92	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 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	454.19	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

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						for depth upto 1.5 metre).
190.	TRENCH IN ORD.ROCK-PIPES 80MM DIA	M	260.28	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 serviciable 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	644.49	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 serviciable 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	741.61	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 serviciable 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.	TRENCHINHARDROCK-PIPEDIA<80MM,BLASTG"	M	356.84	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	883.59	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	1,016.66	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.	TRENCHINHARDROCK-PIPEDIA<80MMNOTBLSTG	M	503.61	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,NTBLST	M	1,247.02	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<600MMNTBLST	M	1,434.96	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.
310.	CLOSE TIMBERING INTRENCH-1.5M<DPTH<3M	M2	19.44	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.
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.)

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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.)
300.	CLOSE TIMBERING IN TRENCH-DEPTHUPTO1.5M	M2	10.83	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 .
320.	CLOSE TIMBERING INTRENCH-3M<DPTH<4.5M	M2	38.88	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	17.54	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<DPTH<3M	M2	35.96	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	55.34	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	11.82	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	22.06	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	32.90	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 INTRENCH-DEPTH<1.5M	M2	5.59	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.
440.	OPENTIMBRING-M/HOL,WELL,PIT-1.5M<DPTH<3	M2	17.54	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.
410.	OPEN TIMBERING INTRENCH-1.5M<DEPTH<3M	M2	11.01	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 INTRENCH-3M<DEPTH<4.5M	M2	19.88	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 TIMBERING-M/HOL,WELL,PIT-DEPTH<1.5	M2	8.94	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.
450.	OPENTIMBRING-M/HOL,WELL,PIT-3M<DPTH<4.5	M2	17.54	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	6.06	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	11.91	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	21.27	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.	EXTRARATEFORQUANTITYOFW ORK-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	170.25	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	69.82	1	2.26.1	:Extra for every additional lift of 1.5 m or part thereof in All kinds of soil.
570.	PLOUGHING THE EXISTING GROUND-ALL SOIL	M2	19.13	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.
540.	EXTRA FORADDL.LIFT OF1.5M-ORD./HARDROCK	M3	125.29	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	135.92	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	18.71	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

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580.	EXCAVATING HOLES IN ALL KIND OF SOILS	EA	65.35	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	113.46	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	173.76	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	266.95	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	9.64	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	4.92	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	293.62	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	1,304.46	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	6,044.55	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.
700.	POST ANTI-TERMITETREATMENTWALLSUPERSTRUC	M	31.79	1	2.35.2.1	:Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (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.
670.	FELLING TREES OF THE GIRTH ABOVE 240 CM	EA	12,115.66	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	174.42	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	22.26	1	2.35.1.1	:Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :Along

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
710.	TREATMENTWITHCHEMICAL-SOIL UNDER FLOOR	M2	174.56	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-EXISTING MASONRY	M	24.98	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 CHEMICAL-WOOD WORK	M	29.30	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
740.	DEDUCTFORDISPOSESOILNOTLEVEL-ITEM2.6,2.	M3	51.26-	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	170.25	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
03 : MORTAR						
10.	CEMENT MORTAR 1:1 (1CEMENT: 1 FINE SAND)	M3	496.58	1	3.1	:Cement Mortar 1:1 (1 cement : 1 fine sand)
20.	CEMENT MORTAR 1:2 (1CEMENT: 2 FINE SAND)	M3	496.60	1	3.2	:Cement mortar 1:2 (1 cement : 2 fine sand).
30.	CEMENT MORTAR 1:3 (1 CEMENT:3 FINE SAND)	M3	496.60	1	3.3	:Cement mortar 1:3 (1 cement : 3 fine sand).
40.	CEMENT MORTAR 1:4 (1 CEMENT:4 FINE SAND)	M3	496.60	1	3.4	:Cement mortar 1:4 (1 cement : 4 fine sand).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	CEMENT MORTAR 1:5 (1 CEMENT:5 FINE SAND)	M3	496.60	1	3.5	:Cement mortar 1:5 (1 cement : 5 fine sand).
60.	CEMENT MORTAR 1:6 (1 CEMENT:6 FINE SAND)	M3	496.60	1	3.6	:Cement mortar 1:6 (1 cement : 6 fine sand).
70.	CEMENT MORTAR 1:2(1CEMENT :2COARSE SAND)	M3	496.60	1	3.7	:Cement mortar 1:2 (1 cement : 2 coarse sand).
80.	CEMENT MORTAR 1:3(1CEMENT :3COARSE SAND)	M3	496.60	1	3.8	:Cement mortar 1:3 (1 cement : 3 coarse sand).
90.	CEMENT MORTAR 1:4(1CEMENT :4COARSE SAND)	M3	496.60	1	3.9	:Cement mortar 1:4 (1 cement : 4 coarse sand).
100.	CEMENT MORTAR 1:5(1CEMENT :5COARSE SAND)	M3	496.60	1	3.10	:Cement mortar 1:5 (1 cement : 5 coarse sand).
110.	CEMENT MORTAR 1:6(1CEMENT :6COARSE SAND)	M3	496.60	1	3.11	:Cement mortar 1:6 (1 cement : 6 coarse sand).
120.	CEMENT MORTAR 1:2(1CEMENT :2STONE DUST)	M3	496.60	1	3.12	:Cement mortar 1:2 (1 cement : 2 stone dust).
130.	CEMENT MORTAR 1:2(1CEMENT :2MARBLE DUST)	M3	496.60	1	3.13	:Cement mortar 1:2 (1 cement : 2 marble dust).
140.	CEMENT MORTAR 1:5(1CEMENT :5MARBLE DUST)	M3	496.60	1	3.14	:Cement mortar 1:5 (1 cement : 5 marble dust).
150.	WHITE CM 1:2(1WHITE CEMENT:2MARBLE DUST)	M3	496.60	1	3.15	:White cement mortar 1:2 (1 white cement : 2 marble dust).
160.	WHITE CM 1:3(1WHITE CEMENT:3MARBLE DUST)	M3	496.60	1	3.16	:White cement mortar 1:3 (1 white cement : 3 marble dust).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
180.	MUD MORTAR	M3	506.65	1	3.18	:Mud mortar
170.	WHITE CM1:5 (1WHITE CEMENT:5MARBLE DUST)	M3	491.33	1	3.17	:White cement mortar 1:5 (1 white cement : 5 marble dust).
04 : CC WORKS						
10.	CC WORK 1:1:2 UPTO PLINTH LEVEL.:	M3	1,606.99	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	1,606.99	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	1,606.99	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	1,605.06	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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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	PCC UPTO PLINTH 1:3:6, 20MM AGGT.	M3	1,605.06	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	1,605.06	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	1,605.06	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	1,605.06	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	1,605.06	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	1,605.06	1	4.1.10	:Laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,593.85	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	1,606.99	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	1,606.99	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	3,010.85	1	4.2.1	:Laying cement concrete in retaining walls, return walls (any thick- ness) including attached pilasters, columns, piers, abutmets, 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	3,010.85	1	4.2.2	:Laying cement concrete in retaining walls, return walls (any thick- ness) including attached pilasters, columns, piers, abutmets, 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	3,010.85	1	4.2.3	:Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutmets, 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	3,008.93	1	4.2.4	:Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutmets, 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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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
180.	PCC ABOVE PLINTH 1:3:6, C/SAND, CA 20MM.	M3	3,008.93	1	4.2.5	:Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutmets, 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	3,008.93	1	4.2.6	:Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutmets, 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	3,008.93	1	4.2.7	:Laying cement Concrte in retaining walls, return walls (any thickness) including attached pilasters, columns, piers, abutmets, 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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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
210.	PCC 1:5:10 (1 cement: 5 C/sand:10 aggr 4	M3	3,002.93	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	176.36	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	433.43	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	513.54	1	4.3.3	:Centering shuttering including struttings, propping etc. and removal of form work for: Columns, piers, abutments, pillaras, posts and struts.
280.	PRECAST CONC. 1:3:6, COPING, STEPS ETC.	M3	2,524.31	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 exposedsurfaces complete. 1:3:6 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
250.	PCC 1:2:4 IN KERBS, STEPS ETC. NEAR GL.	M3	1,606.99	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	1,605.06	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).
270.	PRECAST CONC. 1:2:4, COPING, STEPS ETC.	M3	2,524.31	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).
290.	Precast CC string ,CC 1:3:6 etc.	M3	2,522.38	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						size)
300.	PRECAST CONC. 1:2:4, KERB, EDGING ETC.	M3	1,781.37	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	6,605.28	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).
320.	PRECAST CONC. 1:3:6 SOLID BLOCK.	M3	6,603.37	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 surfaces complete : 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
330.	PRECAST CONC. 1:2:4 HOLLOW BLOCK.	M3	6,980.00	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	6,979.20	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	240.87	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 150xl50x6mm M.S. plate welded at bottom and embedded 150mm in 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.

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360.	DPC 40MM THK WITH 1:2:4 CEM. CONCRETE.	M2	123.86	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	142.78	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).
410.	EXTRA FOR PCC UNDER WATER/MUD.	M3	619.05	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)
380.	ADDING WATER PROOFING COMPOUND IN DPC.	BAG	8.97	1	4.12	: 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	32.47	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 V LEVEL.	M3	860.67	1	4.14	:Extra for concrete work in superstructure above floor V level for each four floors or part thereof.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
420.	EXTRA FOR PCC IN FOUL POSITION.	M3	259.06	1	4.16	:Extra for laying concrete in or under foul positions.
430.	50MM THK. PCC 1:3:6 PLINTH PROTECTION.	M2	247.87	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	3,078.53	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,078.53	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,913.32	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						:M-15 grade plain cement concrete (cement content considered@ 240 kg/cum)
480.	Laying RMC , auto-plant , Above P/L - M1	M3	3,913.32	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 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	M3	3,078.53	1	4.20.1.1	Laying in position ready mixed plain cement concrete, with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	-M15					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	3,078.53	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)
520.	Laying RMC , Dgn Mix,Above P/L - M10	M3	3,913.32	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)
510.	Laying RMC , Dgn Mix,Above P/L - M15	M3	3,913.32	1	4.20.2.1	Laying in position ready mixed plain cement concrete, with cement content as per approved design mix and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 @ 240 kg/cum).
05 : RCC						
10.	RCC 1:1:2 UPTO PLINTH.	M3	2,005.03	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).
20.	RCC 1:1.5:3 UPTO PLINTH.	M3	2,005.03	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						aggregate 20 mm nominal size)
30.	RCC 1:2:4 UPTO PLINTH.	M3	2,005.03	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	3,243.60	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	3,243.60	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 graded stone aggregate 20 mm nominal size)
60.	RCC COLS/POSTS 1:2:4, UPTO FLOOR V.	M3	3,243.60	1	5.2.3	:Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,579.13	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	2,963.01	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	3,989.01	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 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,	M3	3,392.78	1	5.6	:Reinforced cement concrete work in chimneys, shafts,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	UPTO FLOOR V.					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	1,652.90	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	2,674.00	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	176.36	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 WALL/BUTRESS/PLINTH.	M2	433.43	1	5.9.2	:Centring and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.
150.	SHUTTERING WORKS IN	M2	496.54	1	5.9.3	:Centring and shuttering including strutting, propping etc.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	WALL/BUTRESS/PLINTH.					and removal of form for: Suspended floors, roofs, landings, balconies and access platform.
160.	SHUTTERING WORKS IN SHELVES.	M2	496.54	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	378.39	1	5.9.5	:Centring and shuttering including strutting, propping etc. and remova of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers.
180.	SHUTTERING WORKS IN COLUMN/PIER/POSTS.	M2	513.54	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	308.51	1	5.9.7	:Centring and shuttering including strutting, propping etc and removal or form tor: Stairs, (excluding landings) except spiral-staircases.
200.	SHUTTERING WORK IN SPIRAL STAIRCASE.	M2	388.14	1	5.9.8	:Centring and shuttering including strutting, propping etc. and removal of form for: Spiral staircases (including landing).
210.	SHUTTERING IN ARCH/DOME UPTO 6M SPAN.	M2	894.01	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	M2	92.70	1	5.9.10	:Centring and shuttering including strutting, propping etc.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	ABOVE 6M SPAN.					and removal of form for Extra for arches, domes, vaults exceeding 6 m span
230.	SHUTTERING WORKS IN CHIMNEY/SHAFT.	M2	433.43	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
280.	SHUTTERING IN SLAB EDGES UPTO 20CM WIDE.	M	72.12	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
250.	SHUTTERING WORKS IN FINS/FACIA/EAVES.	M2	553.08	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	176.36	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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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
290.	SHUTTERING IN SLAB EDGES OVER 20CM WIDE.	M2	279.13	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	199.93	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	401.10	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	374.54	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	502.19	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 LINTEL/BEAM/GIRDER.	M2	389.61	1	5.9.21	:Centring and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers, with water proof ply 12mm thick.
350.	WALL SHUTTERING TIE BOLT	SET	4.00	1	5.10.1	:Fixing tie bolt, spring coil and plastic cone in wall

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	12Ø 100MM LONG.					shuttering complete as per the Engineer-in-charge 12 mm dia. & 100 mm length.
360.	WALL SHUTTERING TIE BOLT 12Ø 150MM LONG.	SET	4.00	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	4.00	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.
410.	HOISTUNG PRECAST RCC IN SMALL LINTEL.	M3	5,227.19	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).
380.	WALL SHUTTERING TIE BOLT 20Ø 225MM LONG.	SET	4.00	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	220.30	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured) Suspended floors, roofs, landing, beams and balconies (Plan area to be measured).
400.	HOISTUNG PRECAST RCC IN COPING/BAND ETC.	M3	2,801.63	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).
420.	HOISTUNG PRECAST RCC IN CORNICE/SILL.	M3	6,764.67	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 size).
430.	HOISTUNG PRECAST RCC IN BEAM/LINTEL.	M3	4,649.23	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	8,889.13	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	3,621.94	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 aggregate 20 mm nominal size).
460.	PRECAST RCC JALI 50MM THK WITH MS WIRE.	M2	1,193.63	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	642.81	1	5.18.2	:Precast cement concrete Jali 1:2:4 (I 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	642.83	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. WITH 1:2:4CONC.	M3	5,664.88	1	5.19	:Encasing rolled steel sections, in beams and columns, 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.

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500.	ENCASING STEEL IN GRILLAGE WITH CONC.	M3	2,316.76	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.
540.	COLD TWISTD. REINFORCEMENT IN RCC WORKS.	KG	15.11	1	5.22.3	:Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Cold twisted bars
510.	EXTRA FOR XPM IN CONC. ENCASING STEEL.	M2	41.18	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	15.11	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	14.47	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
550.	HOT ROL. BAR REINFORCEMENT IN RCC WORKS.	KG	15.11	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

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560.	IRC FABRICS REINFORCEMENT IN RCC WORKS.	KG	10.92	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	15.11	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.	MILDSTEELREINFRCEMNTRCC WORKSABOVEPLINTH	KG	15.11	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.	HRDDRNWREREINFRCEMNTRCC WORKSABOVEPLINTH	KG	14.47	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.	COLDTWISTDREINFRCEMNTRCC WORKABOVEPLINTH	KG	15.11	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
610.	HOTROLBARREINFRCMENTRCC WORKSABOVEPLINTH	KG	15.11	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.	IRCFABRICSREINFRCMENTRCC WORKABOVEPLINTH	KG	10.92	1	5.22A.5	:Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						complete. Above plinth level:Hard drawn steel wire fabric
630.	TMTBARREINFORCMENTRCC WORKSABOVEPLINTH	KG	15.11	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.
670.	BLOWN BITUMEN FILLING IN EXP. JOINT.	PCD	76.85	1	5.26	:Filling in position, blown bitumen in expansion joints.(per cm depth per cm width per 100m)
640.	LESS FOR OMITTING SMOOTH FINISH IN RCC.	M2	152.70	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	57.21	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	17.32	1	5.25	:Fixing in position copper plate as per design for expansion joints.
680.	BITUMEN SAND MIX FILLER IN	PCD	76.85	1	5.27	:Filling in position bitumen mix filler of Proportion 80 kg. of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	EXP. JOINT.					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	45.33	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	116.01	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	156.13	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	90.39	1	5.29.2.1	: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. 150 mm wide.
730.	AL. SHEET ON EXP. JOINT 200MM WIDE.	M	119.68	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						wide.
740.	ADD/LESS FOR DRIP/GROOVE IN RCC.	M	45.96	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	619.05	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	259.06	1	5.32	:Extra for laying reinforced cement concretein orunder foul positions.
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 ofcement per cum of concrete instead of M-25 grade B.M.C./R.M.C#
770.	RCCM25WITH410KG CEMENT.UPTO PLINTH	M3	2,645.29	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 cement concrete by using 410kg. of cement per cum of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						concrete. All work upto Plinth level.
780.	RCCM25-410KGCEMENT.UPTO FLRVLVLABVPLINTH	M3	3,724.00	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.
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 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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
830.	PRECAST RCC BAFFLE, EXCL. REINFORCEMENT.	M3	13,953.36	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 neces-sary 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 com-plete for all floor levels but excluding the cost of reinforcement
840.	M25RCC UPTO RMC 10KM LEAD-UPTO FLOOR V.	M3	3,078.53	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, 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						payable/recoverable separately). For All works upto plinth level
850.	M25RCCUPTORMC10KMLED-UPTOFLOORVABVPLINTH	M3	4,157.24	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.
860.	EXTRA FOR RCC/BMC/RMC BEYOND FLOOR V.	M3	243.92	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)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
880.	laying RCM(M-25) concrete upto PL	M3	3,078.53	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. NOTE- (1) Cement content considered in this item is @ 330 kg/cum.Excess/ less cement used as per design mix 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 to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 inthe items of BMC and RMC All works up to Plinth level.
890.	laying RCM(M-25) concrete above PL	M3	4,157.24	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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- (1) Cement content considered in this item is @ 330 kg/cum.Excess/ less cement used as per design mix 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 to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456 -2000 inthe items of BMC and RMC All works above plinth upto V floor level.
930.	Fixing Coupler 20 mm dia bar	EA	76.51	1	5.42.2	Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for echanical 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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). Fixing Coupler 20 mm dia bar
900.	Apply water based concrete curing comp N	M2	41.68	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. Non pigmented wet curing compound
910.	Apply water based concrete curing comp P	M2	151.45	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. Pigmented wet curing compound
920.	Fixing Coupler 16 mm dia bar	EA	53.04	1	5.42.1	Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for echanical 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).

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Fixing Coupler 16 mm dia bar
940.	Fixing Coupler 25 mm dia bar	EA	94.30	1	5.42.3	Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for echanical 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). Fixing Coupler 25 mm dia bar
950.	Fixing Coupler 28 mm dia bar	EA	111.81	1	5.42.4	Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for echanical 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). Fixing Coupler 28 mm dia bar

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
960.	Fixing Coupler 32 mm dia bar	EA	118.32	1	5.42.5	Fixing tapered / parallel threaded couplers conforming to IS code on "Reinforcement Couplers for echanical 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). Fixing Coupler 32 mm dia bar
970.	fixing S/S Grade 304 plate 200 mm wide.	M	92.31	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	92.31	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.
06 : BRICK WORK						
10.	B/W IN FOUNDATION& PLINTH FPS 75 CM1:4	M3	1,602.92	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 FPS 75 CM1:6	M3	1,602.92	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 :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						6 coarse sand)
30.	B/W INFOUNDATION&PLINTH, MODLR 75 CM1:4	M3	1,315.59	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, MODLR 75 CM1:6	M3	1,315.59	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 FLR,FPS 125 CM1:6	M3	2,715.59	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 UPTO5THFLR,MODLR 125 CM1:7	M3	2,413.54	1	6.3.2	: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 Modular bricks.
70.	B/W ABVPLINTH UPTO VTH FLR,FPS 75 CM1:4	M3	2,715.59	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	M3	2,715.59	1	6.4.2	:Brick work with F.P.S. bricks of class designation 75

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	FLR,FPS 75 CM1:6					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	123.27	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	111.90	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	81.06	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 felt type 3 grade 1.
120.	B/W 7CM THK.,FPS 75 CM1:3 IN SUPERSTR.	M2	317.71	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	5,088.26	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						mortar 1:3 (1 cement : 3 coarse sand).
140.	B/W IN GAUGED ARCHES<6M SPAN INCM1:3	M3	7,196.87	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	92.70	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	221.81	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	221.81	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)
210.	EXTRAFORPLACING6MM MS BAR IN HALF B/M	M2	0.45	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)
180.	HALF B/M ABOVE PLINTH TO FLOOR V CM1:3	M2	343.81	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
190.	HALF B/M ABOVE PLINTH TO FLOOR V CM1:4	M2	343.81	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	10.92	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.
220.	TILE B/M IN FDN&PLINTH,CLASS100 IN1:4	M3	2,293.79	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	2,293.79	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	2,293.79	1	6.17	:Tile brick masonry with machine moulded tile bricks of class designation 125 conforming to IS : 2690 (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	3,470.07	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
270.	TILE B/M IN PLAIN ARCH,CLASS100 IN 1:4	M3	6,064.68	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	8,330.07	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	353.52	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	238.28	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 : 4 coarse sand).
340.	B/w above PL,FPS75,C.M.1:6 incl.groove	M3	2,906.56	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)
310.	EXTRA FOR B/W UNDERWATER ORLIQUID MUD	M3	619.05	1	6.24	:Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						and removing slush etc. complete.
320.	EXTRA FOR B/WORK UNDER FOUL POSITION	M3	259.06	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	1,736.51	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)
350.	B/W GL TO PL,MODLR75,CM1:6 INCL.GROOVE	M3	1,349.20	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 INCL.GROOVE	M3	2,461.87	1	6.27.2	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 plinth level to V floor level in cement mortar 1:6 (1 cement : 6 coarse sand).
370.	B/W GL TOPL,MODLR125,CM1:6 INCL.GROOVE	M3	1,349.20	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).

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380.	B/W PL TO V ,MODLR125,CM1:6 INCL.GROOVE	M3	2,461.87	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 PL,FPS125,CM1:6INCL.GROOVE	M3	1,636.53	1	6.29.1	:Brick work with machine moudled 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 GL,FPS125,CM1:6INCL.GROOVE	M3	2,704.88	1	6.29.2	Brick work with machine moudled 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)
410.	B/w GL-PL,Perftd.FPS125,CM1:6incl.groove	M3	1,636.53	1	6.30.1	:Brick work with machine moudled 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-	M3	2,749.20	1	6.30.2	Brick work with machine moudled perforated F.P.S. bricks of class designation 125 conforming IS :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	V,Perftd.FPS125,CM1:6incl.groove					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	1,349.20	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).
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.
440.	B/w PL-V,Per.Mdlr125,CM1:6incl.groove	M3	2,461.87	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 : 6 coarse sand).
450.	B/w plin.-flor V,clayflyash FPS75,CM1:4	M3	2,682.67	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
460.	B/w plin.-florV,clayflyash FPS75,CM 1:6	M3	2,682.63	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)
480.	B/w GL-PL,"FALG"Brick class100,CM1:4	M3	2,698.28	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	2,698.28	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)
500.	B/w abvPL-FlrV,mod.cal.sili.100,CM1:4	M3	2,698.28	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	2,698.28	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,315.59	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	3,984.23	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	2,393.06	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 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	101.07	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm2
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.
570.	Extra For Gypsum Panel Abv FloorV	M2	99.27	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	2,715.59	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	2,715.59	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)
610.	BRICK EDGING TO PLINTH IN CM1:4	M	16.69	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)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
620.	Half BK with FALG bricks above PL in 1:3	M2	343.81	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	343.81	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	343.81	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 in 1:4	M2	343.81	1	6.46.2	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 : 4 (1 cement : 4 coarse sand)
07 : STONE WORK						
10.	RANDOMRUBBLEMASONRY-CC1:6:12-FNDN,PLINTH	M3	2,112.65	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						mortar 1:6 (1 cement : 6 coarse sand)
20.	EXTRA FOR RRMASONRY-CC1:6:12-ABOV PLINTH	M3	3,213.16	1	7.2	:Extra for random rubble masonry with hard stone in superstructure above plinth level and upto 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	543.63	1	7.4.1	:Extra for random rubble masonry with hard stone in :Square or rectangular pillars
50.	E/F RRM WITH HARD STONE:SQ.,REC.PILLAR	M3	1,152.48	1	7.4.2	:Extra for random rubble masonry with hard stone in :Circular pillars.
60.	E/F RRM WITH HARDSTONE CURVEDONPLAN:R<6M	M3	485.06	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	2,806.31	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)

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80.	CRM(2ND SORT)WITH HARD STONE:FND.&PLINTH	M3	2,565.04	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	3,889.30	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	603.95	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 STONE:CIR. PILLAR.	M3	1,320.03	1	7.10.2	:Extra for coursed rubble masonry with hard stone (first or second sort) in :Circular pillars.
130.	E/F CRM WITH HARD STONE CURVED:R<6M	M3	525.26	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 DRESD:REDSSTN	M3	25,544.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						stone shade:One face dressed.:Red sand stone
150.	S/W IN P.ASHLAR?FLRV:1FACE DRESS:WSS	M3	25,544.00	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	38,661.00	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	38,661.00	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 : 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	30,858.00	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	M3	30,858.00	1	7.13.1.2	:Stone work plain ashlar in arches in cement mortar 1:3 (1

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	ARCHES,1-F, 1:3:WSS					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	43,975.00	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	43,975.00	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
220.	S/w in p.ashlar in domes,CM 1:3:RSS	M3	55,796.00	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	55,796.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						stone shade:White sand stone
240.	S/w in p.ashlar in domes,CM 1:3:RSS	M3	89,018.00	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	89,018.00	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
290.	S/w ashlar punched#fl.V:RSS:double face	M3	34,774.00	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.
260.	S/w ashlar punched#fl.V:RSS:One face	M3	23,599.00	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 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone:One faced punched.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
270.	S/w ashlar punch#fl.V:RSS:double face	M3	34,774.00	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	23,599.00	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.
300.	E/f S/w,ashlar plain,punch>fl.V,each4.	M3	1,148.00	1	7.16	:Extra for stone work, plain ashlar or ashlar punched above floor V level for every four floors or part thereof.
310.	E/f plain,punch ashlar:Sq.,rec.pillars	M3	2,209.00	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	1,536.00	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	92.70	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).

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340.	SunkMouldedStnWrkUptoFlrV-Red Sand Stone	M3	41,133.00	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	41,133.00	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	2,881.00	1	7.21.1	:Extra for stone work sunk or moulded or sunk and moulded or carved in :Triangular or Square or rectangular pillars
370.	ExtraForStnWrkCarvd-Circ.Polyg.Pillar	M3	8,163.00	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	34.02	1	7.22	:Extra for stone work sunk or moulded in cornices.
420.	S/W FORWALL LINING ETC:RSS-DRESED:40MM	M2	2,534.99	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
390.	S/W FORWALLLINING ETC:RSS-DRESED:70MM	M2	2,534.99	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 ETC:RSS-DRESED:60MM	M2	2,534.99	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 ETC:RSS-DRESED:50MM	M2	2,534.99	1	7.23.1.3	:Stone work (machine cut edges) for wall lining etc. (veneer work) backing filled with a grout of 12mm thick

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
430.	S/W FOR WALLLINING ETC:RSS-DRESED:30MM	M2	2,534.99	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.
440.	S/W FOR WALL LINING:RSS-CUT&RUBBED:70MM	M2	3,808.48	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
450.	S/W FOR WALL LINING:RSS-CUT&RUBBED:60MM	M2	3,808.48	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	3,808.48	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 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	3,808.48	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,808.48	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	2,534.99	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 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 ETC:WSS-DRESSED:60MM	M2	2,534.99	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 ETC:WSS-DRESSED:50MM	M2	2,534.99	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
550.	S/W FOR WALL LINING:WSS-CUT&RUBBED:60MM	M2	3,808.48	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 backing60mm thick.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
520.	S/W FOR WALL LINING ETC:WSS-DRESSED:40MM	M2	2,534.99	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 ETC:WSS-DRESSED:30MM	M2	2,534.99	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 LINING:WSS-CUT&RUBBED:70MM	M2	3,808.48	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						stone - Exposed face machine cut and table rubbed with rough backing70mm thick.
560.	S/W FOR WALL LINING:WSS-CUT&RUBBED:50MM	M2	3,808.48	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 backing50mm thick
570.	S/W FOR WALL LINING:WSS-CUT&RUBBED:40MM	M2	3,808.48	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 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	3,808.48	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

Item No.	Description	Unit	Rate	Per Unit	Schudle 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 backing30mm thick
590.	EXTRA FOR STONE WORK CURVED ON PLAN	M3	2,209.00	1	7.24	:Extra for stone work (veneer work) curved on plan with a mean radius not exceeding 6 m.
600.	STAIN.STEEL CRAMSFORANCHORINGIN STNWALL	KG	182.28	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 DOWELS-10X5X2.5 CMDOUBLEDGE	EA	36.11	1	7.26	:Fixing stone dowels 10x5x2.50cm cut to double wedge 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	14.98	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 WITHBRKCOPING-	M2	1,231.63	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	REDSANDSTONE					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.	SLOPINGCHAJJAWITHBRKCOPING-WHITSANDSTONE	M2	1,231.63	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 matching the stone shade:white sand stone
680.	RED SAND STONE BRACKETS 55X22.5X45 CM	EA	3,060.56	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.
650.	HORIZONTAL CHAJJA-RED SAND STONE	M2	752.09	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						white cement : 2 stone dust) with an admixture of pigment matching the stone shade:Red sand stone
660.	HORIZONTAL CHAJJA-WHITE SAND STONE	M2	752.09	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	800.48	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.
690.	S/WINCOPING,PLINTHCOURSEETC.REDSANDSTON	M3	40,388.89	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 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,PLINTHCOURSEETC.WHITSNDSTON	M3	40,388.89	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
710.	STONE JALI 40 MM THK:RED SAND STONE	M2	8,214.67	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 SAND STONE	M2	8,214.67	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 WATER/LIQUID MUD	M3	619.05	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)
740.	EXTRA FORSTONEWORK UNDER FOUL POSITION	M3	259.06	1	7.35	:Extra for laying stone work in or under foul position.
750.	WALL LINING WITH DHOLPUR STONE-HT?10 M	M2	1,178.76	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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-incharge.
760.	WALL LINING WITH 25MMTHK KOTA STONE	M2	1,824.83	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.	STONETILEWORK-8MMTHKMIRRORPOLISHGRANITE	M2	1,193.94	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 shade:8mm thick (mirror polished and machine cut edge):Granite stone of any colour and shade.
810.	DRYCLADDING WITH WHITE SAND STONE	M2	1,757.71	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. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-Charge:White sand stone

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
780.	STONETILEWORK-WHITE,BLACK,GREEN MARBLE	M2	1,193.94	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 EXT.WALL-HT>10M	M2	111.54	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 STONE	M2	1,757.71	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.
820.	STRUC.STEELFRAMEFORSUPPORTSTONECLADDING	KG	73.80	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.)
830.	ADJUSTABLESTEELCRAMP FORDRYSTONECLADDING	EA	147.08	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.
08 : MARBLE WORK						

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10.	COLOURMARBLEINWALLLINING, AR.UPTO 0.5 M2	M2	2,723.50	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, AR.ABOVE 0.5 M2	M2	2,722.89	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 marble.Area of slab over 0.50 sqm
30.	COLOURMARBLEINKITCHNPLATFRM,AR.UPTO0.5M2	M2	1,519.90	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	COLOURMARBLEINKITCHNPLATFRM,AR.ABOV0.5M2	M2	1,211.42	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.	COLRGRANITEINKITCHNPLATFRM,AR.UPTO0.50M2	M2	1,519.90	1	8.2.2.1	: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.Granite of any colour and shadeArea of slab upto 0.50 sqm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
60.	COLRGRANITEINKITCHNPLATFRM,AR.ABOV0.50M2	M2	1,115.39	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 BY MARBLE	M	177.52	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 BY GRANITE	M	302.23	1	8.3.2	: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.Granite work
90.	EXTRAFORMARBLE/GRANITESTONEOVERCORRSITEM	M	342.15	1	8.4	:Extra for fixing marble/granite stone over and above corresponding basic item, in facia and drops of width upto 150mm with epoxy resin based adhesive including cleaning etc. complete.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
100.	EXTRAFORPROVIDING OPENINGIN MARBLE WORK	EA	590.09	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.	MIRRORPOLISHINGMARBL,GRANIT,STONWRK	M2	294.82	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	165.29	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-STAINLESSSTEEL	KG	182.28	1	8.7.2	: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). Stainless steel cramps.
140.	HOLDFASTENEREXPANSIONTYPE-THREAD DIA6MM	EA	14.18	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
150.	HOLDFASTENEREXPANSIONTYPE-THREAD DIA10MM	EA	14.18	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	14.18	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.	STONETILEWRKFORWALLLININ G-COLOUR MARBLE	M2	1,502.94	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.	STONETILEWRKFORWALLLININ G-ANYCOLRGRANITE	M2	1,502.94	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 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	566.80	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 :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	566.80	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.
09 : WOOD AND PVC						
10.	WOODWORK @DOOR WINDOW W/2NDCLASSTEAK	M3	15,890.00	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
20.	WOODWORK @DOOR WINDOW W/SAL WOOD	M3	15,890.00	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	16,503.89	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
40.	PROIDE LAMINATED VENEER LUMBER @DOOR ETC	M3	11,395.56	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 PARTITINS W/SAI WOOD	M3	8,711.96	1	9.3.1	:Wood work in frames of false ceiling, partitions etc. sawn and put up in position :Sal wood
60.	WOODWORK@CEILING PARTITINS W/HOLLOCKWOOD	M3	8,995.63	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	1,588.89	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	1,588.89	1	9.4.2	:Extra for additional labour for circular works, such as in frames of fan light:Sal wood
90.	CIRCULAR WORKS W/SEASONED HOLLOCK WOOD	M3	1,650.56	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 TEAKWOOD W/35MMSHUTTER	M2	868.64	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Second class teak wood.35mm thick shutters
110.	WINDOW 2NDCLASS TEAKWOOD W/30MMSHUTTER	M2	868.64	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 W/35MM THK SHUTTER	M2	879.02	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 W/30MM THK SHUTTER	M2	879.02	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 thick shutters
140.	SEASONED SESAM WOOD W/35MM THK SHUTTER	M2	868.64	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
150.	SEASONED SESAM WOOD W/30MM THK SHUTTER	M2	868.64	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	373.84	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	373.84	1	9.6.2	: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 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 prelaminated conforming to IS : 12823 Grade 1, Type - II

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						marked:
180.	DOORSHUTTER W/12MM1SIDEPRELAMINATEDBOARD	M2	373.84	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 W/2NDCLASSTEAKWOOD	M2	713.67	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 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	747.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						shutters 25mm to 40mm thick: Kiln seasoned and chemically treated Hollock wood
210.	PANEL SHUTTER W/BOTHSIDE DECORATIVEVENER	M2	720.44	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	720.44	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 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	720.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	720.44	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	720.44	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 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	720.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
300.	5.5 mm thick Float glass panes	M2	1,022.53	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.
270.	PARTICLE BOARD 12MM LAMINATION BOTHSIDE	M2	720.44	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	720.44	1	9.7.6.1	Fixing panelling or panelling and glazing in panelled or

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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) 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	1,022.53	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.
310.	Fly proof s/s wire gauge	M2	602.08	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
320.	PANELLEDSHUTTER25-40MM W/COIRVENNERBOARD	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/2NDCLASS TEAKWOOD 35MM	M2	947.85	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/2NDCLASS TEAKWOOD 30MM	M2	947.85	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 wood30mm thick
350.	GLAZEDSHUTTER W/SEASONEDHOLLOCKWOOD 35MM	M2	958.22	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	M2	958.22	1	9.9.2.2	:Fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	30MM					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	947.85	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	947.85	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
390.	LAMINATED VENNERLUMBER GLAZED30MMSHUTTER	M2	373.84	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
430.	EXTRAFOR STAINLESSSTEELBUTTHINGE 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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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
400.	EXTRA FORHEAVYSHEET FLOTGLASSPANES 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 FROSTEDGLASSPANES 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.	DEDUCTFORPINHEAD GLASSPANE 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).
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	M2		1	9.15.2.1	:Deduct if fixed shutters (without hinges) are provided

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	W/MS BUTT HINGE					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	1,203.42	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	1,203.42	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	947.85	1	9.16.2.1	:Fixing 25mm thick shutters for cup board etc. :Glazed shutters:Second class teak wood including ISI marked anodised aluminium butt hinges with necessary screws.
490.	25MMSHUTTER CUPBOARD GLAZED W/TEAKWOOD	M2	947.85	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 3LAYER/GRADED PARTICLE BOARD 12MM	M2	182.36	1	9.17.1	:Fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						3087 marked to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) :12mm thick
510.	FIXING 3LAYER/GRADED PARTICLE BOARD 18MM	M2	184.55	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 3LAYER PARICLEBOARD 18MM	M2	216.02	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
560.	DECORATIVE FLUSH DOOR SHUTTER 35MM	M2	361.30	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 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.35mm thick including ISI marked Stainless Steel butt hinges with necessary screws.
530.	PRELAMINATED 3LAYER	M2	219.75	1	9.18.2	:Fixing Pre-laminated flat pressed 3 layer (medium

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	PARICLEBOARD 25MM					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.	25MMSHUTTER PANELLED W/2NDCLASS 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.	25MMSHUTTER GLAZED W/2NDCLASS 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
570.	DECORATIVE FLUSH DOOR SHUTTER 30MM	M2	361.30	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	361.30	1	9.20.3	:Fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	361.30	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	361.30	1	9.21.2	: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:30mm thick including ISI marked Stainless Steel butt hinges with necessary screws.
610.	NON DECORATIVE FLUSH DOOR SHUTTER 25MM	M2	361.30	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
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
690.	35mmWireGauzeShutter MS Hing/ H-Wood	M2	1,132.01	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						seasoned and chemically treated hollock wood
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	1,121.78	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.
700.	35mmWireGauzeShutter MS Hing/Sesam-Wood	M2	1,121.78	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 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	1,121.78	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						teak wood
720.	35mmWireGauzeShutter SS Hing/ H-Wood	M2	1,132.01	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	1,121.78	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	1,038.23	1	9.27.2.1.1	: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
750.	30mmWireGauzeShutter MS Hing/ H-Wood	M2	1,048.60	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
760.	30mmWireGauzeShutter MS Hing/Sesam-Wood	M2	1,038.23	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/ Teak	M2	1,038.23	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/ H-Wood	M2	1,048.46	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 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
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 with necessary screws:Second class teak wood.(Deleted)
790.	30mmWireGauzeShutter SS	M2	1,038.23	1	9.27.2.2.3	Fixing 30mm thick wire gauze shutters using galvanised

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Hing/Sesam-Wood					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)
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	M2		1	9.30.1	:Fixing 30mm thick wire gauze shutters using galvanised

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	W/MSBUTTHINGE W/TEAK WOOD					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	373.84	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 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/30MMSHUTTER	M2	373.84	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	50X50X5OMMTEAKWOOD PLUG 1:3CEMENTMORTAR	EA	14.37	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	5.12	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	6.40	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
910.	FIX EXPANDABLE FASTNER 40MM LONG	EA	6.40	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
950.	FIX 2NDCLASSTEAKWOOD PLAINLINING 20MMTHK	M2	330.89	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
920.	FIX EXPANDABLE FASTNER 50MM LONG	EA	6.40	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	394.64	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	394.64	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.
960.	FIX 2NDCLASSTEAKWOOD PLAINLINING 12MMTHK	M2	330.89	1	9.34.4	: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.12mm thick
970.	WALLLINING PARTICLEBOARD/GRADEDWOOD 12MM	M2	213.63	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
980.	WALLLINING PARTICLEBOARD/GRADEDWOOD 18MM	M2	213.63	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	213.63	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/ HOLLOCKWOOD	M3	40,889.28	1	9.36.1	:Fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.Hollock wood.
1010.	FIXPLYWOOD 4MM W/DECORATIVE VENEERIS1328	M2	748.60	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	748.60	1	9.38	:Fixing 4mm thick coir veneer board, ISI marked IS : 14842-2000, plain lining with necessary screws, priming

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						coat on unexposed surface etc., complete.
1030.	SKIRTING PRELAMINATED PARTICLEBOARD 18MM	M2	282.86	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	282.86	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
1080.	FIXWOODENMOULDEDBEADING HOLLOCKWOOD50X20	M	88.79	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
1050.	FIX WOODENMOULDED BEADING TEAKWOOD50X12	M	88.22	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1060.	FIX WOODENMOULDED BEADING TEAKWOOD50X20	M	88.79	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	88.22	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
1090.	FIX JAFFRI35X10 W/50X12 BEADING TEAKWOOD	M2	784.75	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	170.28	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, 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	170.28	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	31.10	1	9.45	:Fixing teak wood lipping of size 25x3mm in pelmet.
1150.	CURTAINROD 1.25MM CROMIUMPLATED 12MMDIA	M	26.54	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
1160.	CURTAINROD 1.25MM CROMIUMPLATED 20MMDIA	M	26.54	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	26.54	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1210.	MSGRILLS FIXED TO WODENWINDOW BY SCREWS	KG	83.04	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.
1180.	FIX NICKELPLATED MS CURTAIN ROD 20MMDIA	M	15.21	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	15.21	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	79.59	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.
1220.	FIXEXPANDABLE METAL20X60X3.25 TOTEAKWOOD	M2	315.34	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	303.91	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.MSWIREGAUG	M2	271.27	1	9.51.1	:Fixing fly proof galvanised M.S. wire gauze to windows

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	E-2NDCLSTEAKWOOD					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	271.27	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.	DDCTFORFIXIN75X25MMHRDDRWNSTLWIREFABRIC	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	94.51	1	9.53	:Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and 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	9,102.07	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	9,102.07	1	9.54.2	:Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 100x58x1.90mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1300.	ISI-MS BUTT HINGES-125X65X2.12MM	EA	15.22	1	9.55.1	Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 125x65x2.12mm
1340.	IS1341-MS HEVYWGTBUTTHINGE-125X90X4.00MM	EA	15.22	1	9.56.1	:Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 125x90x4.00mm
1310.	ISI-MS BUTT HINGES-100X58X1.90MM	EA	15.22	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	15.00	1	9.55.3	:Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 75x47x1.70mm :
1330.	ISI-MS BUTT HINGES-50X37X1.50MM	EA	5.59	1	9.55.4	:Fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete: 50x37x1.50mm
1350.	IS1341-MS HEVYWGTBUTTHINGE-100X75X3.50MM	EA	15.22	1	9.56.2	:Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 100x75x3.50mm
1360.	IS1341-MS HEVYWGTBUTTHINGE-75X60X3.10MM	EA	15.00	1	9.56.3	:Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 75x60x3.10mm
1370.	IS1341-MS HEVYWGTBUTTHINGE-50X40X2.50MM	EA	5.59	1	9.56.4	:Fixing IS : 1341 marked M.S. heavy weight butt hinges with necessary screws etc. complete: 50x40x2.50mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1380.	ISI OXIDISED MS BUTTHINGE:125X65X2.12MM	EA	15.44	1	9.57.1	:Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :125x65x2.12mm
1390.	ISI OXIDISED MS BUTTHINGE:100X58X1.90MM	EA	15.22	1	9.57.2	:Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :100x58x1.90mm
1400.	ISI OXIDISED MS BUTTHINGE:75X47X1.70MM	EA	15.00	1	9.57.3	:Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :75x47x1.70mm
1410.	ISI OXIDISED MS BUTTHINGE:50X37X1.50MM	EA	5.59	1	9.57.4	:Fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. :50x37x1.50mm
1420.	ISI MSPARLIAMNTRYHINGE:150X125 X27X2.80MM	EA	18.09	1	9.58.1	:Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 150x125x27x2.80mm
1430.	ISI MSPARLIAMNTRYHINGE:125X125 X27X2.80MM	EA	18.09	1	9.58.2	:Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 125x125x27x2.80mm
1470.	ISI MS SINGLE ACTING SPRING HINGE:125MM	EA	38.96	1	9.59.2	:Fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: 125mm
1440.	ISI MSPARLIAMNTRYHINGE:100X125 X27X2.80MM	EA	18.09	1	9.58.3	:Fixing ISI marked oxidised M.S. pressed Parliamentary hinges with necessary screws etc. complete: 100x125x27x2.80mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1450.	ISI MSPARLIAMNTRYHINGE:75X100 X20X2.24MM	EA	18.09	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	38.96	1	9.59.1	:Fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: 150mm
1480.	ISI MS SINGLE ACTING SPRING HINGE:100MM	EA	38.96	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	38.96	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	38.96	1	9.60.2	:Fixing oxidised M.S. double acting spring hinges with necessary screws etc. complete. :125mm
1510.	MS DOUBLE ACTING SPRING HINGE:100MM	EA	38.96	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	149.95	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	149.95	1	9.61.2	:Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						screws etc., complete.Overall width 50mm
1540.	MS PIANO HINGES ISI OVERALL WIDTH 65MM.	M	149.95	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	18.32	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	18.32	1	9.62.2	:Fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16mm
1600.	ISI MS TOWER BOLT BLACK FINISH:100X10MM	EA	6.03	1	9.63.4	:Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 100x10mm
1570.	ISI MS TOWER BOLT BLACK FINISH:250X10MM	EA	7.60	1	9.63.1	:Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: 250x10mm
1580.	ISI MS TOWER BOLT BLACK FINISH:200X10MM	EA	7.37	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	7.37	1	9.63.3	:Fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						150x10mm
1610.	ISI 85X42MM OXIDISED MS PULL BOLT LOCK	EA	18.32	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	8.94	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	8.94	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	4.69	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 HANDLES :100MM	EA	4.47	1	9.66.2	:Fixing ISI marked oxidised M.S. handles conforming to IS :4992 with necessary screws etc. complete:100mm
1660.	ISI OXIDISED MS DOOR HANDLES :75MM	EA	4.47	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	5.81	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	EA	5.81	1	9.67.2	:Fixing oxidised M.S. hasp and staple (safety type)

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	STAPLE(SAFETYTYPE):115MM					conforming to IS : 363 with necessary screws etc. complete:115mm
1690.	OXIDISEDMS HASP STAPLE(SAFETYTYPE):90MM	EA	5.81	1	9.67.3	:Fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete:90mm
1730.	M.S. SAFETY CHAIN WEIGHT NOT<450 GMS	EA	6.93	1	9.69	:Fixing oxidised M.S. Safety chain with necessary fixtures for doors. (Weighting not less than 450 gms.)
1700.	MS CASEMENT STAYS:300MM WGHT.NOT<200 GMS	EA	6.93	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	6.93	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 WGHT.NOT<120 GMS	EA	6.93	1	9.68.3	:Fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. :200mm weighing not less than 120 gms.
1740.	IS STAINLESSSTEELBUTTHINGE:125X64X1.90MM	EA	15.22	1	9.70.1	:Fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete: 125x64x1.90mm
1750.	IS	EA	15.22	1	9.70.2	:Fixing IS : 12817 marked stainless steel butt hinges with

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	STAINLESSSTEELBUTTHINGE:100X58X1.90MM					stainless steel screws etc. complete: 100X58X1.90mm
1760.	IS STAINLESSSTEELBUTTHINGE:75X47X1.80MM	EA	15.00	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	5.59	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	15.22	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	15.22	1	9.71.2	:Fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete: 100x60x2.50mm
1800.	IS STAINLESSSTLBUTTHINGEHW:75X50X2.50MM	EA	15.00	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	17.94	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	17.94	1	9.72.2	:Fixing bright finished brass butt hinges with necessary screws etc. complete: 125x70x4mm (ordinary type)

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1860.	BRASS BUTT HINGES:75X40X2.5MM-ORD.TYPE	EA	17.71	1	9.72.6	:Fixing bright finished brass butt hinges with necessary screws etc. complete: 75x40x2.5mm (ordinary type)
1830.	BRASS BUTT HINGES:100X85X5.5MM-HEAVYTYPE	EA	17.71	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	17.71	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	17.71	1	9.72.5	:Fixing bright finished brass butt hinges with necessary screws etc. complete: 75x65x4mm (heavy type)
1870.	BRASS BUTT HINGES :50X40X2.5MM-ORD.TYPE	EA	6.91	1	9.72.7	:Fixing bright finished brass butt hinges with necessary screws etc. complete: 50x40x2.5mm (ordinary type)
1880.	BRASSPARLIAMENTARY HINGES:150X125X27X5MM	EA	20.01	1	9.73.1	:Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 150x125x27x5mm
1890.	BRASSPARLIAMENTARY HINGES:125X125X27X5MM	EA	20.01	1	9.73.2	:Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 125x125x27x5mm
1900.	BRASSPARLIAMENTARY HINGES:100X125X27X5MM	EA	20.01	1	9.73.3	:Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 100x125x27x5mm
1910.	BRASSPARLIAMENTARYHINGES: 75X100X20X3.2MM	EA	20.01	1	9.73.4	:Fixing bright finished brass parliamentary hinges with necessary screws etc. complete: 75x100x20x3.2mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1920.	BRASS TOWER BOLTS BARREL TYPE-250X10MM	EA	9.19	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	8.75	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	8.75	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	8.75	1	9.74.4	:Fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete: 100x10mm
1990.	BRASS 100MM MORTICE LATCH-ONE DEAD BOLT	EA	146.20	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).
1960.	BRASS DOOR LATCH -300X16X5MM	EA	10.58	1	9.75.1	:Fixing bright finished brass door latch with necessary screws etc. complete:300x16x5mm
1970.	BRASS DOOR LATCH -250X16X5MM	EA	10.58	1	9.75.2	:Fixing bright finished brass door latch with necessary screws etc. complete:250x16x5mm
1980.	BRASS 100MM MORTICE LATCH&LOCK-6LEVER	EA	146.20	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).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2000.	BRASS NIGHT LATCH	EA	146.20	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	146.20	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	146.20	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	146.20	1	9.79.3	:Fixing special quality bright finished brass cupboard or wardrobe locks with four levers including necessary screws etc. complete (best make of approved quality) :65mm
2040.	BRASS CUPBOARD OR WARDROBE LOCKS :75MM	EA	146.20	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) :75mm
2050.	BRASS CUPBOARD OR WARDROBE KNOB	EA	11.97	1	9.80	:Fixing 50mm bright finished brass cupboard or wardrobe knob with necessary screws (best make of approved

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						quality)
2060.	BRASS HANDLES: 125MM	EA	5.52	1	9.81.1	:Fixing bright finished brass handles with screws etc. complete: 125mm
2070.	BRASS HANDLES: 100MM	EA	5.07	1	9.81.2	:Fixing bright finished brass handles with screws etc. complete: 100mm
2080.	BRASS HANDLES: 75MM	EA	5.07	1	9.81.3	:Fixing bright finished brass handles with screws etc. complete: 75mm
2090.	BRASS HANGING TYPE FLOOR DOOR STOPPER	EA	3.10	1	9.82	:Fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.
2130.	BRASS CASEMENT STAYS:300MMWEIGHNOT<330G M	EA	8.30	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
2100.	ALUMINDIECASTBODY HYDRAULICDOORCLOSER	EA	67.92	1	9.83	:Fixing IS : 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc. complete.
2110.	ALUMINEXTRUDEDSEC-HYDRAULICDOORCLOSER	EA	67.27	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.

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2120.	BRASS·CASEMENT WINDOW FASTENER	EA	8.30	1	9.85	:Fixing bright finished brass· casement window fastener with necessary screws etc. complete.
2140.	BRASS CASEMENT STAYS:250MMWEIGHNOT<280GM	EA	8.30	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	8.30	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	6.91	1	9.87.1	:Fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete: 150mm
2170.	BRASS HASP AND STAPLE:115MM	EA	6.91	1	9.87.2	Fixing bright finished brass hasp and staple (safety type) with necessary screws etc. complete: 115mm
2180.	BRASS HASP AND STAPLE:90MM	EA	6.91	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	146.20	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).

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2200.	CHROMIUM PLATED BRASS NIGHT LATCH	EA	146.20	1	9.89	:Fixing chromium plated brass night latch including necessary screws etc. complete (Best make of approved quality).
2210.	CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE40MM	EA	146.20	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	146.20	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
2260.	CHROMIUM PLATED BRASS HANDLES:125MM	EA	5.52	1	9.92.1	:Fixing chromium plated brass handles with necessary screws etc. complete: 125mm
2230.	CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE65MM	EA	146.20	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
2240.	CHROMIUMPLATEDBRASSCUPBOARDLOCK:SIZE75MM	EA	146.20	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	11.97	1	9.91	:Fixing chromium plated brass 50mm cupboard or wardrobe knobs with nuts complete.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2270.	CHROMIUM PLATED BRASS HANDLES: 100MM	EA	5.07	1	9.92.2	:Fixing chromium plated brass handles with necessary screws etc. complete: 100mm
2280.	CHROMIUM PLATED BRASS HANDLES: 75MM	EA	5.07	1	9.92.3	:Fixing chromium plated brass handles with necessary screws etc. complete: 75mm
2290.	CHROMPLATDBRASSCASEMENT WINDOWFASTENER	EA	8.30	1	9.93	:Fixing chromium plated brass casement window fastener with necessary screws etc. complete.
2300.	CHROMPLTDBRASCSEMNTSTY:300MMWGHNOT<330GM	EA	8.30	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	8.30	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
2320.	CHROMPLTDBRASCSEMNTSTY:200MMWGHNOT<240GM	EA	8.30	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	17.36	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2340.	ALUMINIUM BUTT HINGE ANODISED:125X63X4MM	EA	17.36	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	17.14	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
2390.	ALUMINIUM BUTTHINGE ANODISED:75X63X3.2MM	EA	16.91	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
2360.	ALUMINIUM BUTT HINGE ANODISED:100X63X4MM	EA	17.14	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	17.14	1	9.95.5	: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:100x63x3.2mm
2380.	ALUMINIUM BUTT HINGE ANODISED:75X63X4MM	EA	16.91	1	9.95.6	: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:75x63x4mm
2400.	ALUMINIUM BUTTHINGE ANODISED:75X45X3.2MM	EA	16.91	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 BOLTS:300X16MM	EA	41.71	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 BOLTS:250X16MM	EA	41.71	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
2430.	ALUMINIUM TOWER BOLTS:300X10MM	EA	11.18	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	11.18	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

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2450.	ALUMINIUM TOWER BOLTS:200X10MM	EA	10.76	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	7.13	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	7.13	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 ANODISED	EA	18.32	1	9.98	:Fixing aluminium pull bolt lock anodised ISI marked (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	9.87	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.

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2500.	ALUMINIUM HANDLES ANODISED:125MM	EA	5.52	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	5.29	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	5.29	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	3.10	1	9.101.1	: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. Single rubber stopper
2540.	ALUMINIUM DOOR STOPPER-TWIN RUBBER	EA	3.10	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2550.	ALUMINIUM CASEMENT STAYS	EA	8.30	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	148.44	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.	ALMN'T'CHANNELS-ROLLERS,STOPEND-PELMETS	M	5.13	1	9.104	:Fixing aluminium tee channels (heavy duty) with rollers, stop end in pelmets as curtain rod.
2580.	FIXINPARTITIONUPTOCEILNGHT-GYPSUM BOARD	M2	584.09	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	584.09	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.-CALCIUMSILICATEBRD	M2	584.09	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	584.09	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (High pressure steam cured) as per IS : 14862 with suitable fibre cement screw.
2650.	PTMT BUTT HINGE-100X75X10MM	EA	15.22	1	9.107.2	:Fixing PTMT Butt hinges with necessary screws etc. complete. 100x75x10mm fitted with 5.5mm dia MS Bright Bar Rod weighing not less than 53 gms.
2620.	PTMT HANDLES:125X34X24MMWGHTNOT<23 GMS	EA	4.69	1	9.106.1	:Fixing PTMT handles with necessary screws etc. complete. :125x34x24mm weighing not less than 23 gms
2630.	PTMT HANDLES:150X34X24MMWGHTNOT26 GMS.	EA	4.69	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	15.00	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.
2660.	PTMT TOWER BOLTS-152X42X18MMWGTNOT<60 GM	EA	6.03	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-202X42X18MMWGTNOT<78 GM	EA	7.37	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2680.	PTMT DOOR CATCHER OF LENGTH 72MM	EA	3.10	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	189.29	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	124.67	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).
2710.	2ND CLASSTEAKWOODLIPPING/MOULDED BEADING	M	31.10	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	111.34	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2730.	MAGNETICCATCHER-CUPBOARDTRIPLSTRPVERTICL	EA	6.41	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	6.41	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).
2780.	FACTORY MADE UPVC DOOR FRAME-42X50MM.	M	41.68	1	9.117.2	:Fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance ±1mm) with wall thickness 2.0mm ± 0.2mm, 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 1mm ± 0.1mm 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.
2750.	POWDER COATED TELESCOPIC DRAWER CHANNEL	SET	29.45	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	2.55	1	9.116	:Fixing sliding arrangement in racks / cupboards / cabinets shutter by P/F stainless steel rollers to run inside C or E

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						aluminium channel section (The payment of C or E channel shall be made separately)
2770.	FACTORY MADE UPVC DOOR FRAME-48X40MM.	M	41.68	1	9.117.1	:Fixing factory made UPVC door frame made of UPVC extruded section having an overall dimension as below (tolerance ±1mm) with wall thickness 2.0mm ± 0.2mm, 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 1mm ± 0.1mm 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.
2790.	24MMTHKFACTORY MADE PVC DOOR SHUTTERS	M2	241.65	1	9.118.1	:Fixing to existing door frames. :24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm ± 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 ± 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24mm and 2mm ± 0.2mm wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U'

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 ± 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	241.65	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 ± 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 reinforced by inserting galvanised M.S. tube of size 25x20mm and 1mm ± 0.1mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x30mm and 2mm ± 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 ± 0.1mm wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	241.65	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 ± 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 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	43.22	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	241.65	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	241.65	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	43.22	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 DOOR SHUTTER	M2	241.65	1	9.122.1	:Fixing to existing door frames.30mm thick Glass Fibre 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.

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2870.	30MM THICK FRP FLUSH DOOR SHUTTER	M2	241.65	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.
2910.	PVC RIGID FOAM SHEET ON EXISTING DOOR	M2	796.83	1	9.125	:Fixing PVC rigid foam sheet 1mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.
2880.	DOOR FRAME-SINGLE REBATE)-PVC FOAM	M	43.22	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 metal CSK screws.
2890.	28MM THK DOOR SHUTTER MADE OF PVC FOAM	M2	241.65	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 MADE OF PVC FOAM	M2	241.65	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).
2920.	12MMTHKPANELLING,GLAZING-MARINE PLYWOOD	M2	720.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						glazed shutters 25mm to 40mm thick. Marine plywood conformingto IS : 710
2930.	12MMTHKPANELNG,GLAZING-FIRERTRDNTPLYWOD	M2	720.44	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	259.74	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.
2950.	DECORATIVE LAMINATED SHEET 1.0MM THICK	M2	259.74	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	770.63	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	372.73	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 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	372.73	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	372.73	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	236.73	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 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.
3040.	WALL PANELING-GYPSUM	M2	533.17	1	9.133.3.1	:Fixing, in position concealed G.I. section for wall paneling

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	BOARD-12.5MM THICK.					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.
3010.	FIXING ALUMINUM U BEADIN TO FLUSH DOOR	KG	192.06	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	533.17	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.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	533.17	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
3050.	SS W/gauge shtter,35mm,MS-Hinge,Teak	M2	1,121.78	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 shtter,35mm,MS-Hinge,Hollock	M2	1,132.01	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 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	1,121.78	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

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3080.	SS W/gauge shtter,35mm,SS-Hinge,Teak	M2	1,121.78	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	1,132.01	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	1,121.78	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 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	1,038.23	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

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						finished of required size: Second class teak wood
3120.	SS W/gauge shtter,30mm,MS-Hinge,Hollock	M2	1,048.46	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	1,038.23	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 sheesham wood
3170.	SS W/gauge in windows, with Teak bead	M2	271.27	1	9.135.1	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 2nd class teak wood beading 62X19 mm
3140.	SS W/gauge shtter,30mm,SS-Hinge,Teak	M2	1,038.23	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 shtter,30mm,SS-Hinge,Hollock	M2	1,048.46	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 shtter,30mm,SS-Hinge,Seesum	M2	1,038.23	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
3180.	SS W/gauge in windows, with MS U-bead	M2	271.27	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	1,269.84	1	9.136	Fixing fire resistant door frame of section 143 x 57 mm

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						having built in rebate made out of 16 SWG G.I. sheet (zinc coating not less than 120 gm/sqm) duly filled with vermuculite based concrete mix, suitable for mounting 60 minutes fire rated door shutters. The frame is fitted with intumuscent fire seal strip of size 10x4 mm (minimum) alround 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	133.67	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, 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 (panneling to be paid for separately).
3210.	Glazing in FR door with FR glass 6mm	M2	73.56	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	146.20	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	230.58	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 for separately). 12mm thick commercial ply conforming to IS : 1328 BWR type
3240.	PVC door frame,wall thkness 5mm	M	45.11	1	9.141	Fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 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 taping 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	251.99	1	9.142.1	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 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 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, 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)

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3260.	35mm th solid PVC door shutter:Decortiv	M2	251.99	1	9.142.2	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded soild PVC profiles, 5 mm (± 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 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, 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)
3300.	37mm th PVC door laminatd, all complete	M2	3,381.18	1	9.146	Fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (±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 (± 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 (± 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.
3270.	UPVC Door Frame, 2mm thk, all complete	M	41.68	1	9.143	Fixing factory made uPVC door frame, made of uPVC exturded 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,121.01	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 mitered cut and joint at the corners by means of 2 nos of plastic brackets of size 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	521.38	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
3310.	UPVC door/window, casement, frame	M	316.37	1	9.147.1.1	Fixing factory made uPVC white colour cas ement/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.) 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 cas ement/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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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 cas ement/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.) 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 cas ement/sliding

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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, Glazing/bead	M	92.65	1	9.147.1.5	Fixing factory made uPVC white colour cas ement/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.) Note :- Each member of window to be measured separately with clear length. Casement Window (Outward/Inward opening) with hinge System: Glazing

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bead (12 mm x 18 mm)
3360.	UPVC door/win,Casement outward, Frame	M	407.95	1	9.147.2.1	Fixing factory made uPVC white colour cas ement/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.) Note :- Each member of window to be measured separately with clear length. Casement Window (With friction hinge & outward opening): Casement Frame (67 mm x 62 mm)
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 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.)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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.) 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 cas ement/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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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)
3430.	UPVC door, Sliding, 2 track Frame	M	119.83	1	9.147.4.1	Fixing factory made uPVC white colour cas ement/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.) 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)
3400.	UPVC door/win,Sliding,Sash	M	110.13	1	9.147.3.2	Fixing factory made uPVC white colour cas ement/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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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 cas ement/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.) 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 cas ement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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)
3440.	UPVC door,Sliding,Sash	M	138.66	1	9.147.4.2	Fixing factory made uPVC white colour cas ement/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.) 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 cas ement/sliding window / door, made of extruded profiles. Profiles of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) 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 cas ement/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.) 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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3470.	SS Hinge for UPVC window: 200x19x1.9	EA	18.09	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	18.09	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	18.09	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: 350x19x1.9	EA	18.09	1	9.148.4	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. 350 x 19 x 1.9 mm
3510.	SS Hinge for UPVC window: 400x19x1.9	EA	18.09	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	11.06	1	9.149	Fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						necessary screws etc. complete.
3560.	Crescent lock for uPVC sliding win/door	EA	11.06	1	9.153	Fixing steel (white power coated) crescent lock for uPVC sliding window/ door with necessary screws etc. complete.
3530.	Touch lock for liding uPVC window	EA	11.06	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	11.06	1	9.151	Fixing steel roller for uPVC sliding window with necessary screws etc. complete.
3550.	Steel roller for uPVC Doors	EA	11.06	1	9.152	Fixing steel roller for uPVC sliding door with necessary screws etc. complete.
3570.	MS tube Framework for lining/partition	KG	28.51	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.

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10 : STEEL WORK						
10.	FIX STR STEEL SINGLE SECTN,W/PRIME COAT	KG	16.29	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	27.74	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	5,051.11	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 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	2,058.58	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	2,022.68	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,018.66	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	530.75	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, 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. 80x1.25mm M.S. laths with 1.25mm thick top cover.
80.	FIX ROLLING SHUTTER W/80X1.20 MS LATHS	M2	530.75	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	530.75	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 0.90mm thick top cover.
100.	FIXING BALL BEARING FOR ROLLING SHUTTERS	EA	66.26	1	10.7	:Fixing ball bearing for rolling shutters.
110.	PROVIDE MECH DEVICE CHAIN B/W10-16.8 SQM	M2	33.29	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	33.29	1	10.8.2	:Extra for providing mechanical device chain and crank operation for operating rolling shutters.Exceeding 16.80 sqm in area.

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130.	EXTRAFOR GRILLED ROLLING SHUTTERS	M2	580.75	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	49.00	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 clips or metal beading with screws, shall be supplied by department free of cost.)
150.	Fix StdSteelGlazed Door/win: with Dash F	KG	26.70	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	73.53	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 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	26.67	1	10.11.2	Fixing factory made ISI marked steel glazed doors, windows and ventilators side / top / centre hung with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 of required dia and size (to be paid for separately)
180.	Extra to fix steel beading in doors etc	M	8.54	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	28.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	26.89	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	89.44	1	10.14.1.1	: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 B

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
250.	Press/steel DoorFrame Prof-E:with lugs	M	89.44	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
220.	Press/steel DoorFrame Prof-B:with Dash F	M	79.59	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
230.	Press/steel DoorFrame Prof-C:with lugs	M	89.44	1	10.14.2.1	: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 C
240.	Press/steel DoorFrame Prof-C:with Dash F	M	79.59	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)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
260.	Press/steel DoorFrame Prof-E:with Dash F	M	79.59	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)
270.	MS tubular frame Door/Window:with lugs	KG	42.47	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.

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280.	MS tubular frame Door/Window:with Dash F	KG	38.68	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 WELDED TUBULAR TRUSS	KG	43.36	1	10.16.1	: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 welded type tubes.
300.	STEELWORK HOTFINISHSEAMLESS TUBULARTRUSS	KG	43.36	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	KG	43.36	1	10.16.3	:Steel work in built up tubular trusses including cutting,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	TUBULAR TRUSS					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 TYPEI/II 16DIA BAR	EA	54.25	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 FAN	EA	41.80	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 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	13.05	1	10.19	:Fixing M.S. round holding down bolts with nuts and washer plates 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)
350.	FIXING BOLTS W/NUTS &	KG	48.39	1	10.20	:Fixing bolts including nuts and washers complete.

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	WASHER					
360.	FIXING MS RIVETS OF SIZES IN POSITION	KG	125.28	1	10.21	:Fixing M.S. rivets of sizes in position.
370.	WELDING BY GAS/ELECTRICPLANT W/TRANSPORT	CM	0.64	1	10.22	:Welding by gas or electric plant including transportation of plant at site etc. complete.
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	8.37	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 stair cases including use of chequered plate wherever required, all complete.
410.	FIX BUILTUP STEEL & WELD TO GRATING ETC	KG	48.25	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 MSTUBE HANDRAIL W/LADDER ETC BY WELD	KG	43.51	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.

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430.	FIX ERWTUBE HANDRAILW/LADDER ETC BY WELD	KG	47.89	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	42.21	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	52.22	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/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 x60 mm
460.	Fixg c/stl galv.dash fastener 10 x80 mm	EA	52.22	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	64.66	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.-10 x120 mm
510.	Fixing fly proof wire gauze 0.63 mm to W	M2	207.73	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
480.	Fixg c/stl galv.dash fastener 10 x140 mm	EA	64.66	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	77.10	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. as per direction of Engineer-in-charge.-10 x180 mm
500.	Fixing stainless steel railing	KG	159.09	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.).
520.	Fixing fly proof wire gauze 0.5mm to W/V	M2	207.73	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	400.83	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	400.83	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
11 : FLOORING						
10.	BRICK ON EDGE FLOORING 1:4	M2	222.80	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	222.80	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	186.10	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.

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						bricks) complete.
40.	40MMTHICKCEMENTCONCRETE FLOORING 1:2:4	M2	218.81	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	375.79	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 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	390.70	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.
70.	CEMENT PLASTER SKIRTING 1:3.	M2	288.48	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	2,027.00	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	48.11	1	11.8	:Extra for making chequers of approved pattern on cement concrete floors, steps, landing, pavements etc.
100.	40 MMMARBLEFLOORING DARK SHADE PIGMENT	M2	472.48	1	11.9.1	: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:Dark shade pigment with ordinary cement.
110.	40 MMMARBLEFLOORING LIGHT	M2	472.48	1	11.9.2	:40mm thick marble chips flooring rubbed and polished to

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	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:Light shade pigment with white cement.
120.	40 MM THICK MARBLE MEDIUM SHADE PIGMENT.	M2	472.48	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 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	471.58	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	472.48	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 powder mix : 7 marble chips) by volume including cement slurry etc. complete:Light shade pigment with ordinary cement.
150.	40MMFLOORINGORD.CEMENTWITHOUTANY PIGMENT	M2	472.32	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						powder mix : 7 marble chips) by volume including cement slurry etc. complete:Ordinary cement without any pigment.
160.	40 MMFLOORINGDARKPIGMENTORDINARY CEMENT	M2	466.30	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.
170.	40MMMARBLEFLOORINGLIGHT SHADE PIGMENT	M2	466.30	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
180.	40MMTHICKFLOORINGMEDIUM SHADE PIGMENT	M2	466.30	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	471.58	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 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.
230.	40MMFLRINGLIGHTSHADEPIGMENTWHITE CEMENT	M2	471.81	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
200.	40MMFLRINGLIGHTSHADEPIGMENTORDINARYCEMNT	M2	466.30	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.	40MMFLRINGORDINARYCEMENT WITHOUT PIGMENT	M2	464.96	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	471.81	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.
240.	40MM FLOORING MEDIUM SHADE PIGMENT	M2	471.81	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
250.	40MM FLRING WHITE CEMENT WITHOUT PIGMENT	M2	464.96	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.	40MMFLRINGLIGHTSHADEPIGMENTWITHORD.CEMNT	M2	471.81	1	11.11.5	: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 ordinary cement.
270.	40MMFLRINGORD.CEMENTWITHOUTPIGMENT	M2	464.96	1	11.11.6	:40mm thick marble chips flooring, rubbed and polished to granolithic finish, under layer 28mm thick cement concrete

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	969.99	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 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	969.99	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	969.99	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.	MRBLECHIPSKIRTINGWHITECEMNTWITHUTPIGMNT	M2	969.09	1	11.12.1.4	: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) :White cement without any pigment.
320.	MARBLECHIPSKIRTING LIGHT SHADE PIGMENT	M2	969.99	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
360.	18 MM THICK CRAZY MARBLE STONE	M2	835.68	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.
330.	MRBLECHIPSKIRTNGORD.CEMNTWITHUTPIGMNT	M2	969.83	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						sand) :Ordinary cement without any pigment.
340.	GLASS STRIPS, 40MM WIDE AND 4MM THICK	M	35.10	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	54.53	1	11.14	:Extra for laying terrazo flooring on staircase treads not exceeding 30cm in width including cost of forming, nosing etc.
370.	PRCSTTERRAZOTILES22MMLIGHTSHADE CM 1:4	M2	474.54	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.
380.	PRCSTTERRAZOTILE22MMMEDIUMSHADE-CM 1:4	M2	474.54	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.	PRECASTTERRAZOTILE22MMDARKSHADE-CM 1:4	M2	474.54	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	474.54	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.	TERRAZOTILE22MMEXTRAIFTILE SLAIDIN TREADS	M2	70.93	1	11.17	:Extra if terrazo tiles are laid in treads of steps not exceeding 30cm in width.
420.	PRECASTTERRAZOTILES22MMLI GHTSHADE-CM 1:3	M2	971.65	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.	PRECASTTERRAZOTILES22MMM EDIUMSHADE-CM1:3	M2	971.65	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	PRECASTTERRAZOTILESDARKSHADE-CM 1:3	M2	971.65	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.	PRECASTTERRAZOTILES22MMWITHOUTPIGMENT1:3	M2	971.65	1	11.18.4	: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 :Ordinary cement without any pigment.
490.	CHEQ.TERAZUTILE22MMORD.CEMENT-MARBLECHIP	M2	474.69	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)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						:Ordinary cement without any pigment.
460.	CHEQ.TERAZUTILE22MMLIGHTSHADE-MARBLECHIP	M2	474.54	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.TERAZUTILE22MMMEDSHADE-MARBLECHIP	M2	474.54	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.TERAZUTILE22MMDARKSHADE-MARBLECHIP	M2	474.54	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 shade using ordinary cement.
500.	CHEQ.PRECAST C.C TILES 22MM LIGHT SHADE	M2	311.65	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	311.65	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	311.65	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 mortar 1:4 (1 cement : 4 coarse sand).Dark shade using ordinary cement.
530.	CHEQ.PRECAST C.CTILES OC.WITHOUT PIGMENT	M2	311.65	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-10MM MORTAR	M2	464.31	1	11.21.1.1	:Fixing 10mm thick acid and / or alkali resistant tiles of approved make and colour using acid and / or alkali

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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-12MM MORTAR	M2	534.51	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-SKIRTDADORISER-HT.2MTR	M2	472.09	1	11.22.1.1	:Tile work in skirting, risers of steps and dado (up to 2 m 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	738.78	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						complete with:Makrana white second quality.
580.	MARBLSTNEFLRG18MMTHK-RAJNAGARPLAIN	M2	738.78	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.
620.	MARBLESTONEFLRG18MMTHK-PINKPLAIN MARBLE.	M2	738.78	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.
590.	MARBLE STONE FLR18MMTHK AGARIA WHITE.	M2	738.78	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 with grey cement slurry including rubbing and polishing complete withAgaria White
600.	MARBLE STONE FLRG18MMTHK	M2	738.78	1	11.23.4	:Marble stone flooring with 18mm thick marble stone

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	BLACK ZEBRA.					(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 withBlack Zebra.
610.	MARBLESTONEFLRG18MMTHKU DAIPURGREENMARBLE	M2	738.78	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 withUdaipur green marble.
630.	EXTRA-PREFINISHDNOSING-TREAD-MRBLSTONE	M	428.32	1	11.24	:Extra for pre finished nosing to treads of steps of marble stone.
640.	EXTRA-MARBLESTONEFLOORING-TREADS&RISER	M2	500.52	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	733.82	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
660.	25MMKOTASTONESLABFLRNG OVER12 MMCM1:3BED	M2	951.09	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.	40MMFINEDRESSEDSTONEFLRNG1:5REDSANDSTONE	M2	399.08	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.	40MMFINEDRESSEDSTONEFLRNG1:5WHTSANDSTONE	M2	399.08	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 1:2REDSANDSTONE	M2	536.50	1	11.29.1	: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.Red sand stone
700.	40MMD/STONEFLRNG1:5POINTG 1:2WHTSANDSTONE	M2	536.50	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	M2	612.34	1	11.30.1	:40mm thick rubbed stone flooring over 20mm (average)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	1:5REDSANDSTONE.					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
750.	25MM WOODEN PLANKING.2NDCLASS TEAK WOOD	M2	302.00	1	11.33.1	:25mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete with:Second class teak wood
720.	40MMTHKRUBBEDSTONEFLRNG 1:5WHTSANDSTONE.	M2	612.34	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.	40MMRUBBEDSTONEFLRNGEXTRAPREFINISH-NOSIN	M	121.09	1	11.31	:Extra for pre finished nosing in treads of steps of Kota stone / sand stone slab.
740.	40MMTHKRUBBEDSTONEFLRNGEXTRAFORKOTASTONE	M	24.88	1	11.32	:Extra for Kota stone / sand stone in treads of steps and risers using single length up to 1.05 metre.
760.	25MM WOODEN PLANKING.2ND CLS DEODAR WOOD	M2	242.96	1	11.33.2	:25mm wooden planking, tongued and grooved in flooring including fixing with iron screws complete with:Second class deodar wood

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
770.	38MM THICK WOOD BLOCK FLOORING	M2	3,843.86	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 ANGLE50X50X5MMLUGMSFLAT10X5MM10CMLONG	KG	52.32	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.
790.	1ST QUALITY CERAMIC GLAZED WALL TILES	M2	534.51	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	421.42	1	11.37	:Laying Ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	421.42	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.
820.	RECTIFIEDGLAZEDCERAMICFLOORTILESINCOLOUR	M2	404.86	1	11.39	:Laying rectified Glazed Ceramic floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1 st 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/GLAZEDCERAMICFLOORTILESEXCEPT COLOUR	M2	404.86	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	380.65	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
880.	DEDUCT FOR NOT USING BEDDING. 1:4	M2	455.86-	1	11.42	:Deduct for not using 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.
850.	VITRIFIED FLOOR TILES OF TILE 60X60 CM.	M2	380.65	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 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	378.09	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	378.09	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
890.	GLAZED/CERAMIC/VITRIFIEDFLR TILE-ADHESIVE	M2	442.03	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 adhesive per sqm of tile area, in average 3mm thickness.
900.	Crazy ceramic tile flooring	M2	471.28	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Engineer-in-charge.
910.	Laying 500x500x40 mm thick Turf paver	M2	224.57	1	11.45	Laying 500x500x40 mm thick Turf paver (Turfpave 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	443.92	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 500x500 mm
930.	Vitrified tiles in skirting ;600x600mm	M2	443.92	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	443.92	1	11.46.3	Laying Vitrified tiles in different sizes (thickness to be

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	443.92	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 1000x1000 mm
960.	Vitr/tiles skirting+adhesive:500x500	M2	570.33	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
970.	Vitr/tiles skirting+adhesive:600x600	M2	570.33	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
1010.	floor tiles joint+ epoxy:600x600	M2	122.80	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 Tile 600x600 mm
980.	Vitr/tiles skirting+adhesive:800x800	M2	570.33	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 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
990.	Vitr/tiles skirting+adhesive:1000x1000	M2	570.33	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	150.42	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
1020.	floor tiles joint+ epoxy:800x800	M2	95.17	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	67.55	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	472.59	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	472.59	1	11.49.2	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 600x600 mm
1060.	Vitrif/floor tiles+adhesive:800x800	M2	472.59	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 ,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	472.59	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 separately). Size of Tile 1000x1000 mm
1080.	Deduct for not grout joints Vitr/Tiles	M2	10.14-	1	11.50	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.
12 : ROOFING						
10.	CGI SHEET-1 MM THICK, ZINC COATED	M2	137.64	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	137.64	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 required-0.80mm thick with zinc coating not less than 275gm/m2
30.	CGI SHEET-0.63 MM THICK, ZINC COATED	M2	137.64	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						required-0.63 mm thick with zinc coating not less than 275gm/m2
40.	EXTRA: STRAIGHT CUT IN CGI SHEET 1.00THK	M	69.05	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	55.24	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	55.24	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
70.	EXTRA: CIRCULAR CUT IN CGI SHEET 1.00THK	M	389.47	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	311.08	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	311.08	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

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100.	ERECTING GS SHEET RIDGE OR HIP 0.80THK	M	313.29	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/m2
110.	ERECTING GS SHEET RIDGE OR HIP 0.63THK	M	313.29	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/m3
120.	ERECTING GS SHEET VALLEY-1.6THK	M	347.49	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 :1.60mm thick with zinc coating not less than 350gm/m2
130.	ERECTING GS SHEET FLASHING-1.00THK	M	331.33	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	334.62	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	334.62	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
190.	EXTRA: FIXING WIND TIES OF FLAT SECTION	M	24.71	1	12.11	:Extra for fixing wind ties of 40x 6mm flat iron section
160.	P/PROPYLENE RC 6MM CORRUGATED SHEET	M2	63.04	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 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:STRIAGHT CUT IN P/PROPYLENE SHEET	M	55.24	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
180.	EXTRA:STRIAGHT CUT IN P/PROPYLENE SHEET	M	152.60	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.
200.	RIDGINGONFIBRECEMNTSHEET-CORRUGTDSERRATD	M	72.90	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	72.90	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
220.	RIDGINGONFIBRECEMNTSHEET-CLOSE FITTING	M	73.26	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	72.06	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	36.17	1	12.13.1	:Fixing non-asbestos fibre cement high impact polypropylene reinforced roofing accessories in all colours

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						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	36.17	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	44.32	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 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	44.32	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.	NONASBSTOSROFINGACCESORI	M	35.23	1	12.13.5	:Fixing non-asbestos fibre cement high impact

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	ES-BARGE BOARDS					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
320.	FLATIRONBRACKETFORFIXINGCG/ASBESTOSSHEET	M	26.37	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.
290.	NONASBSTOSROFINGACCESORIES-RIDGE FINIALS	PAA	26.57	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 ACCESORIES-SPL.NORTH LIGHT CURVE	EA	44.76	1	12.13.7	: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: Special north light curves
310.	NONASBSTOSROFINGACCESORIES-S TYPELOUVER	M	176.68	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

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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: S type louvers
330.	PAINTING ROOF TOP-BITUMEN 80/100	M2	35.19	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 FPS100 BRICKTILE	M2	400.64	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 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	400.64	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

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						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	13.32	1	12.18	:Extra for every additional 1cm thickness of mud phaska
370.	20 MM THK BRICK TILES ON MUMPTY ROOF	M2	145.12	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
380.	20MM THK PRESSED CLAY TILES ON ROOF	M2	215.87	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	146.67	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

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400.	KHURRAS 45X45CM, 5CM THK.CEM CONC. 1:2:4	EA	96.23	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	346.53	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) inc!uding pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete:Red sand stone slab:40 to 50mm thick
450.	INSULATINGBOARDCEILING-FLAMERETARDNTFACE	M2	342.82	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
420.	SANDSTONESLAB-ROFNG-WHITESTONE40-50MMTHK	M2	346.53	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) inc!uding pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete:White sand stone slab: 40 to 50mm thick

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430.	INSULATINGBOARDCEILING-NATURALCOLOUR	M2	342.82	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	342.82	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
460.	12 MM THICK PARTICLE BOARD IN CEILING	M2	342.18	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.	PLAINMULTIPURPOSECEMENTBOARDINCEILING	M2	342.18	1	12.26.1	: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
480.	CIRC.CUTNG&WASTEINCEILINGOFTEAKWOODPLANK	M	247.78	1	12.27.1	:Extra for Circular cutting and waste in ceiling with: 2nd class teak wood planks 20 mm thick
490.	CIRC.CUTTING&WASTEINCEILING-NATURALCLRIB	M	264.16	1	12.27.2.1	:Extra for Circular cutting and waste in ceiling with:Natural colour insulating board-12 mm
500.	CIRC.CUTNG&WASTEINCEILING	M	264.16	1	12.27.3.1	:Extra for Circular cutting and waste in ceiling with:white

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	OF WHITEFACEIB					face insulating board-12 mm
510.	CIRC.CUT&WASTEINCEILINGOFF LAMERETARDNTIB	M	264.16	1	12.27.4.1	:Extra for Circular cutting and waste in ceiling with:Flame retardant face insulating board-12 mm
520.	CIRC.CUTTING &WASTEIN3MMHARDBOARDCEI LING	M	264.06	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&WASTEIN4.5MM HARDBORDCEILING	M	264.08	1	12.27.5.2	:Extra for Circular cutting and waste in ceiling with:Standard quality hard board sheet -4.5 mm thick
540.	EXTRAFORFIXINGCEILINGTOCU RVEDSURFACE	M2	262.50	1	12.28	:Extra for fixing ceiling to curved surfaces in narrow widths
580.	POP IN CEILING 10MM: CURVE SURFACE	M2	944.98	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
550.	FALSECEILING WITHCEILINGTILESONALMN.GRI D	M2		1	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

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						15 micron anodic coating) T-sections 35 xl5xl.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.	TRNSLUCNTWHITPLASTICSHEETINFALSECEILING	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	737.83	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
620.	INSULATION BY GLASSWOOL-EXISTINGCEILING	M2	81.86	1	12.35	:Fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS : 8183. Density 16kg/m3 50mm thick, wrapped in 200G Virgin mmPolythene bags placed over existing false ceiling and held in position by

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						criss-crossing GI wire.
590.	EXTRA FOR POP IN CEILING: SUNK/RAISE	M2	296.29	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	158.19	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	307.52	1	12.34	: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 (50x50x3mm) @ 60 cm and wire mesh of 12.5mm x 24g wire and mesh, for top most ceiling of building
630.	INSULATION BY EXPANDED POLYSTYRENE-TYPEN	M2	72.25	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	72.25	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	EA	57.73	1	12.37	:fixing 100 mm diameter and 60 cm long rain water spout

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	WARE TYPE 100MM					in cement mortar 1:4 (1 cement: 4 fine sand)
660.	MS HOLDER BAT CLAMP TO PIPE-100 MM DIA	EA	184.21	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	184.21	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
680.	LEAD CAULKED JOINTS FOR CI PIPE 100MM	EA	194.30	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	244.27	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	43.22	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

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710.	UPVC RAIN WATER PIPES-75 MM DIA	M	85.83	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
750.	UPVCRAIN WATER PIPE:PUSHFITCOUPLER 75MM	EA	29.77	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
720.	UPVC RAIN WATER PIPES-110 MM DIA	M	104.41	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	29.77	1	12.42.1.1	: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.-coupler 75 mm
740.	UPVC RAIN WATER PIPE: COUPLER 110MM DIA	EA	33.29	1	12.42.1.2	: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 110 mm-
760.	UPVCRAIN WATERPIPE:PUSHFITCOUPLER 110MM	EA	33.29	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 WITH DOOR 75MM	EA	26.50	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 75 mm
780.	UPVC AIN WATER PIPE:TEE WITH DOOR 110MM	EA	33.18	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	26.50	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

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						thermal expansion.Single tee without door-75 mm X 75 mmX 75 mm
800.	UPVC RAIN WATER PIPE: PLAIN TEE 110MM	EA	33.18	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	29.77	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
820.	UPVC RAINWATER PIPE ON WALL: BEND 110MM	EA	33.29	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	29.77	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

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840.	UPVC RAIN WATER PIPE ON WALL: SHOE 100MM	EA	33.29	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
880.	FALSE CEILING ON SPECIAL SEC. GS FRAME	M2	470.00	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 thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help

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						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,
850.	UPVC RAIN WATER PIPE CLIPS: 75 MM	EA	185.20	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: 110 MM	EA	185.20	1	12.43.2	: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.-110 mm

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870.	INLET MOUTH OFRAIN WATER PIPE:CAST IRON	EA	10.25	1	12.44	:Inlet mouth of rain water pipe cast iron diameter and weighing not less than 440 grams.
890.	INLET OF RAIN WATER PIPE PTMT GRATING	EA	10.25	1	12.46	:Fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating sqare (Slit) 150 mm sqare with a height of 8 mm and weighing not less than 100 gms
900.	UVS FIBERGLASS ROOFING 2MM THK:CORRUGATD	M2	112.65	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 rovigs incorporating minimum 0.3% Ultra-voilet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall confoim 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	112.65	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

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						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 rovigs incorporating minimum 0.3% Ultra-voilet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall confoim 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	116.93	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)
930.	PRESSED CLAY TILE RIDGING 20MM THK	M2	27.93	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	64.22	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	72.90	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 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	36.17	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	44.32	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
1010.	Flase ceiling+GI frame: Tegular Plain	M2	364.82	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 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
980.	PRECOATED GALVD.GS 0.50 TCT: BARGE BOARD	M	41.52	1	12.51.4	: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 : Barge board (Upto

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						300 mm).
990.	PRECOATED GALVD.GS 0.50 TCT: CRIMP CURVE	M2	41.81	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 TCT: GUTTER	M	302.76	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)
1020.	Flase ceiling+GI frame:Tegular Perforatd	M2	364.82	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						perforation, and backed with a black Glass fiber acoustical fleece.
1030.	Flase ceiling+GI frame:PVC Lam.Gyp.Board	M2	364.82	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	364.82	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) 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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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 NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.
1050.	False ceiling,Tegular Cal.Silicate	M2	383.77	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. 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 polyster 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	364.84	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 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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1070.	GI clips for F/ceiling: Perforated	M2	364.84	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 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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1080.	Heat Resis. Terrace tiles	M2	466.55	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	634.67	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 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	86.78	1	12.57	Fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m3, 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.
13 : FINISHING						
10.	12MM CEMENT PLASTER(1:4)-FINE SAND	M2	165.60	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	165.60	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	188.97	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	188.97	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)
50.	20MM CEMENT PLASTER(1:4)-FINE SAND	M2	217.71	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	217.71	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	165.60	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	165.60	1	13.4.2	:12mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)
90.	15MM CEMENT	M2	188.97	1	13.5.1	:15mm cement plaster on rough side of single or half brick

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	PLASTER(1:4)-COARSE SAND					wall of mix:1:4 (1 cement : 4 coarse sand)
100.	15MM CEMENT PLASTER(1:6)-COARSE SAND	M2	188.97	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	217.71	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	217.71	1	13.6.2	:20mm cement plaster of mix:1:6 (1 cement : 6 coarse sand)
130.	12MMCEMENTPLASTER&NEATFINISH 1:3FINESAND	M2	203.02	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 1:4FINESAND	M2	203.02	1	13.7.2	:12mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)
150.	15MMCEMENTPLASTER&NEATFINISH1:3-FINESAND	M2	226.39	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&NEATFINISH1:4-FINESAND	M2	226.39	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	M2	203.02	1	13.9.1	:cement plaster 1:3 (1 cement : 3 coarse sand) finished

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	NISH1:3-CORSSND					with a floating coat of neat cement.12mm cement plaster
180.	20MMCEMENT PLASTER&NEATFINISH1:3-CORSSND	M2	255.13	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 PLASTER&NEATFINISH1:3-CORSSND	M2	226.39	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 (1:5)&6MM (1:6)	M2	249.34	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 (1:5)&6MM (1:3)	M2	249.34	1	13.12	:18mm cement plaster in two coats under layer 12mm 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	165.60	1	13.13	:12mm cement plaster 1:2 (1 cement : 2 stone dust)
230.	15 MM CEMENT PLASTER (1 : 2)-STONE DUST	M2	188.97	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	217.71	1	13.15	:20mm cement plaster 1:2 (1 cement : 2 stone dust)

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250.	6 MM CEMENT PLASTER (1 : 3)-FIND SAND	M2	152.70	1	13.16.1	:6mm cement plaster of mix:1:3 (1 cement : 3 fine sand)
260.	6MMCEMENTPLASTR&LIMEFINISH(1:3)-FINESAND	M2	200.14	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.
300.	EXTRA FOR WATER PROOFING IN C. PLASTER	BAG	11.90	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)
270.	NEAT CEMENT PUNNING	M2	37.42	1	13.18	:Neat cement punning
280.	ROUGHCASTPLASTER UPTO 10M HT.12MM+10MM	M2	426.75	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 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	393.31	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						(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.
310.	EXTRAFORPLASTER EXT.WALLS HT>10M,EACH 3M	M2	53.70	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.	EXTRAFORPLASTERCIRCULAR< 6M RAD.-ONE COAT	M2	28.01	1	13.23.1	:Extra for plastering on circular work not exceeding 6m in radius.In one coat
330.	EXTRAFORPLASTERCIRCULAR< 6M RAD-TWO COATS	M2	42.67	1	13.23.2	:Extra for plastering on circular work not exceeding 6m in radius.In two coats
340.	EXTFORPLASTERCORNCS/ARCH TAVNEATFIN-1COT	M2	413.80	1	13.24.1	:Extra for plastering done on moulding cornices or architraves including neat finish to line and level:In one coat
350.	EXTFORPLASTERCORNCS/ARCH TAVNEATFIN-2COT	M2	681.66	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	104.49	1	13.25.1	:Extra for plastering : Spherical ceiling
370.	EXTRAFOR PLASTER GROINED	M2	113.39	1	13.25.2	:Extra for plastering : Groined ceiling

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	CEILING					
380.	EXTRAFOR PLASTER FLEWING CEILING	M2	68.92	1	13.25.3	:Extra for plastering : Flewing soffits
390.	POP PUTTY 2MM OVER PLASTERED SURFACE	M2	147.31	1	13.26	:Applying Plaster of Paris putty of 2mm thickness over plastered surface to prepare the surface even and smooth complete.
430.	12MM C.M.BANDS IN 1:4 -RAISED BOND	M	5.08	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)
400.	EXTRA FOR LINING OUT PLASTER	M2	66.07	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	3.99	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)
420.	12MM C.M.BANDS IN 1:4 -SUNK BOND	M	4.40	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)
440.	12MM C.M.BANDS IN 1:4-MOULDED BOND	M	8.99	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
450.	18MM C.M.BANDS IN 1:4-FLUSH BOND	M	4.77	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	5.31	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	6.14	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	11.83	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	11.83	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 1:4 (1 cement : 4 fine sand). (cm per metre)
500.	POINTG ONBRKWRK,BRKFLG IN CM1:3-F/R/S/W	M2	140.70	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	229.61	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	189.56	1	13.32.1	:Pointing on tile brick work with cement mortar 1:3 (1 cement :3 fine sand):Flush / Ruled / Struck or weathered

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						pointing
560.	POINTINGSTNSLBCEILIN CM.1:2-FLUSH/RULED	M2	118.69	1	13.35.1	:Pointing on stone slab ceiling with cement mortar 1:2 (1 cement : 2 fine sand):Flush / Ruled pointing
530.	POINTING ON S/W IN C.M.1:3:FLUSH/RULED	M2	215.95	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	392.52	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	392.52	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)
570.	EXTRAFORPOINTING ON WALLS OUTSIDE >10M	M2	6.60	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	21.13	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	8.97	1	13.38	:Satna lime wash on walls one coat
600.	COLOUR WASH:NEW=>2COATS-BASE	M2	29.81	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	COAT LIME					coat of white washing with lime
610.	COLOURWASH:NEW=>COATS-BASE COAT WHITING	M2	29.40	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	80.71	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	105.41	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
640.	ACRYLICWASHBLEDISTEMPER=>2COAT-NEWWRK	M2	59.12	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	42.03	1	13.43.1	:Applying one coat of cement primer of approved brand and manufacture on wall surface:Cement primer
690.	PRIMERYACRYLIC EXT.PAINT+SILI.ADDITIVES	M2	64.91	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm).
660.	WATER PROOFING CEMENT PAINT -NEWWRK	M2	54.86	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	64.87	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	64.91	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).
700.	DELUXEMULTI SURFACE PAINTING-INT.& EXT.	M2	64.87	1	13.48.1	:Finishing walls with Deluxe Multi surface paint system for interiors andexteriors 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	64.87	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

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720.	DELUXE PAINTING@0.8L/10SQM +PRIMER-WOOD	M2	64.87	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	35.84	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	35.84	1	13.50.2	:Applying priming coat: With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood
760.	REDOXIDEZINCPRMR-STELGALVIRON/STELWRK1CT	M2	32.64	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	16.79	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)

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780.	Painting-silicon/acrylic sealen-1 Coats	M2	38.36	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
820.	ENAMEL PAINTING ON G.S.SHEET:NEW	M2	87.96	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.
790.	Painting-silicon/acrylic sealen-2 Coats	M2	60.64	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	107.01	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	110.72	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
830.	MORDANTSOLN.ON G.S.SHEET-COPPER ACETATE	M2	37.19	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	37.19	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	39.94	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	59.61	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 ONPIPES-100MM DIA	M	40.82	1	13.56.1	: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.100mm diameter pipes
880.	SYNTH.ENAMEL PAINTING ONPIPES-150MM DIA	M	60.89	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

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890.	PAINTING WITH OIL TYPE WOODPRESERVATIVE	M2	20.77	1	13.57.1	:Painting with oil type wood preservative of approved brand and manufacture:New work (two or more coats)
900.	FIRE RETARDANT PAIN2COATS-WOOD/PLYWOOD	M2	71.18	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 NEW WORK	M2	28.00	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.
950.	ALUMINIUM ENAMEL PAINTING-NEW WORK	M2	73.45	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
920.	PLASTIC EMULSION PAINTING2COAT-NEW WORK	M2	73.51	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
930.	SYNTH.ENAMEL PAINTING-NEW WORK 2COATS	M2	72.49	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	107.01	1	13.62.1	:Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.
960.	ACID PROOF PAINTING-NEW WORK	M2	72.49	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	70.82	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	72.49	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.
990.	VARNISHING-COPAL VARNISH	M2	117.05	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 flatting varnish.
1000.	VARNISHING-SPAR VARNISH	M2	116.41	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 flatting varnish.
1010.	FRENCH SPIRIT POLISHING	M2	246.60	1	13.68.1	:French spirit polishing: Two or more coats on new works including a coat of wood filler.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1020.	POLISH ON WOOD WITH WAX	M2	102.40	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	53.06	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	3.48	1	13.71	:Lettering with black Japan paint of approved brand and manufacture (per letter per cm height)
1080.	EXTRAFORGRITPLASTERONEXT WALLS HT>10M	M2	111.54	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.
1050.	STONE GRIT PLASTER ON EXT.WALLS HT<=10M	M2	573.13	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 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.	GROOVEONWASHEDSTNGRITPL	M	44.60	1	13.73.1	:Forming groove of uniform size in the top layer of washed

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	STR-15MMWX15MMD					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.	GROOVEONWASHEDSTNGRITPL STR-20MMWX15MMD	M	44.61	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
1090.	EXTRAFORSTONEGRITPLASTER -CIRWRK<=6M RAD	M2	82.30	1	13.75	:Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in two coats).
1100.	GROOVEONPLASTERED SURFC-12X12MMTO25X15MM	M	22.47	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.

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1120.	12MM THICK GYPSUM PLASTER	M2	160.60	1	13.78	:Applying 12mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite / periite 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
1140.	Appl of avg 1mm white cement putty	M2	72.96	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	36.42	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1160.	Distemp with acrylic distemper-2coat	M2	59.12	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	49.87	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
1210.	Synthetic enamel painting-1 coat	M2	48.88	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
1180.	Acrylic emulsion painting-2 coats	M2	73.51	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 even shade and colour: Two Coats
1190.	Prm.Acrylic emulsion painting-1 coat	M2	48.78	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						manufacture, including applying additional coats wherever required to achieve even shade and colour: One coat
1200.	Prm.Acrylic emulsion painting-2 coats	M2	73.51	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.
1220.	Synthetic enamel painting-2 coats	M2	72.49	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	35.84	1	13.85.1	Applying priming coats with primer of approved brand and 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	32.64	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.

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1250.	Applying cement primer on wall	M2	42.03	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.
14 : REPAIRS TO BUILDINGS						
10.	PATCHREPAIR AREA2.5SQM&BELOW,FINE SAND	M2	270.35	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 AREA2.5SQM&BELOW,COARSE SAND	M2	270.35	1	14.1.2	: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 coarse sand).
30.	FIXING DOOR CHOWKATH IN EXISTING OPENING	EA	952.82	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 WINDOWCHOWKATH IN EXISTING OPENIN	EA	589.47	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 chowkhats
50.	FIXING CLERESTORY WINDOW CHOWKHATH	EA	457.59	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						window chowkhats
60.	FIXING CHOWKHAT WITH FASTENERS	EA	68.84	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	702.66	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 GLASS PANES	M2	323.89	1	14.5.1	:Renewing glass panes, with putty and nails wherever necessary: Float glass panes of thickness 4mm
90.	RENEWING 5.5MM THK FLOAT GLASS PANES	M2	323.89	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	581.88	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	581.88	1	14.6.2	:Renewing glass panes, with wooden fillets wherever necessary: Float glass panes of thickness 5.5mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
120.	RENEWING GLASS &REFIXING WOODEN FILLETS	M2	420.89	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	420.89	1	14.7.2	:Renewing glass panes and refixing existing wooden fillets: Float glass panes of thickness 5.5mm
140.	FIXING 2NDCLAS TEAKWOOD FILLT	M	38.40	1	14.8.1	:Fixing new wooden fillets wherever necessary: 2nd class teak wood fillets
150.	FIXING HOLLOCK WOOD FILLETS	M	38.40	1	14.8.2	:Fixing new wooden fillets wherever necessary: Hallock wood fillets.
160.	RENEWAL OF OLD PUTTY OF GLASS PANES	M	30.85	1	14.9	:Renewal of old putty of glass panes (length)
170.	FIXING OLD GLASS PANES WITH PUTTY	M2	401.04	1	14.10	:Refixing old glass panes with putty and nails
180.	FIXING OLD GLASS PANE WITH WOODEN FILLET	M2	386.32	1	14.11	:Fixing old glass panes with wooden fillets (excluding cost of fillets)
220.	RENEWING WOODEN BATTENS IN ROOFS	M3	6,494.90	1	14.15.1	:Renewing wooden battens in roofs, including making 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.
190.	FIXING 16 MM M.S FAN CLAMPS	EA	305.70	1	14.12	:Fixing 16mm M.S. Fan clamps of standard shape and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	373.58	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	478.42	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.
230.	RENEWING SAL WOOD BEAMS IN ROOF,>4MT	M3	9,080.17	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
240.	RENEWING HOLLOCK WOOD BEAM IN ROOF,>4M	M3	9,080.17	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	10,497.60	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 ROOF,<4 >5MT	M3	10,497.60	1	14.16.2.2	: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:Above 4.00 metres and upto 5.00 metres length. Hollock wood beams
270.	RAKING OUT JOINTS IN LIME/CEMENT MORTAR	M2	40.04	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.

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280.	FLUSH POINTING1:3 MORTAR ,FPS BRICK	M2	74.42	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	74.53	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	3.05	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	34.61	1	14.20	:Fixing of old wind tie with new fittings including painting two or more coats with anticorrosive bitumastic paint of approved brand & manufacturer over and including priming coat of ready mixed zinc chromate yellow primer of approved brand.
350.	PUMPING OUT WATER CAUSED BY SPRINGS	KL	133.13	1	14.23	:Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.(kilo litre)
320.	RENEWING BOTTOM RAIL,TOP RUBBER OF GATE	KG	109.75	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						and manufacture.
330.	RENEWING WHEEL OF GATE 50MM DIA /BELOW	EA	13.61	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	42.89	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)
360.	MUD MORTAR	M3	588.48	1	14.24	:Mud mortar
370.	BRICK WORK WITH 75 CLASS IN MUD MORTAR	M3	1,605.84	1	14.25	:Brick work with bricks of class designation 75 in mud mortar
380.	FIXING CUPBOARD SHUTTER,SUPERIOR TEAK	M2	1,203.42	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	1,203.42	1	14.26.1.2	:Fixing 25mm thick shutters for cup board etc. :Panelled or panelled & glazed shutters: Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.

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400.	FIXING GLAZED CUPBOARD SHUTTER,SUPERIOR	M2	947.85	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	947.85	1	14.26.2.2	:Fixing 25mm thick shutters for cup board etc. :Glazed shutters:Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.
420.	FIXING JAFFRI DOOR&WINDOW SHUTTER	M2	917.89	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	24.94	1	14.28.1	:Fixing curtain rods of 1.25mm thick brass plates with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete.20mm diameter.
440.	FIXING 25MM DIA CURTAIN ROD	M	24.94	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.
480.	BRASS SINGLE ACTING SPRING HINGE,150MM	EA	44.66	1	14.31.1	:Fixing bright finished brass single acting spring hinges with necessary screws etc. complete:150mm
450.	M.S. ROUND/SQ BARS IN WOODEN FRAME	KG	20.58	1	14.29	:Fixing M.S. round or squre bars with M.S. flats at required spacing in wooden frames of windows and clerestory

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						windows.
460.	JOIST(KARRIES)WITH SAL WOOD	M3	6,177.07	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	6,177.07	1	14.30.2	:Joists (karries) including hoisting fixing in position and applying wood preservative on unexposed surface etc. complete with:Hollack wood
490.	BRASS SINGLE ACTING SPRING HINGE,125MM	EA	44.66	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	44.66	1	14.31.3	:Fixing bright finished brass single acting spring hinges with necessary screws etc. complete:100mm
510.	DOUBLE ACTING SPRING BRASS HINGE,150MM	EA	44.66	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	44.66	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	44.66	1	14.32.3	:Fixing bright finished brass double acting spring hinges with necessary screws etc. complete:100mm
540.	BRASS BOLTS,250 MM	EA	17.04	1	14.33.1	:Fixing bright finished brass flush bolts with necessary

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						screws etc. complete:250mm
550.	BRASS BOLTS,150 MM	EA	14.40	1	14.33.2	:Fixing bright finished brass flush bolts with necessary screws etc. complete:150mm
560.	BRASS BOLTS,100 MM	EA	14.40	1	14.33.3	:Fixing bright finished brass flush bolts with necessary screws etc. complete:100mm
570.	150MM BRASS FLOOR DOOR STOPPER	EA	7.89	1	14.34	:Fixing 150mm bright finished floor brass door stopper with rubber cushion, screws etc. to suit shutter thickness complete
610.	BRASS HARD DRWAN HOOKS/EYES,150 MM	EA	5.07	1	14.35.4	:Fixing finished brass hard drawn hooks and eyes:150mm
580.	BRASS HARD DRWAN HOOKS/EYES:300 MM	EA	5.07	1	14.35.1	:Fixing finished brass hard drawn hooks and eyes:300mm
590.	BRASS HARD DRWAN HOOKS/EYES,250 MM	EA	5.07	1	14.35.2	:Fixing finished brass hard drawn hooks and eyes:250mm
600.	BRASS HARD DRWAN HOOKS/EYES,200 MM	EA	5.07	1	14.35.3	:Fixing finished brass hard drawn hooks and eyes:200mm
620.	BRASS HARD DRWAN HOOKS/EYES,100 MM	EA	5.07	1	14.35.5	:Fixing finished brass hard drawn hooks and eyes:100mm
630.	BRASS HARD DRWAN FAN LIGHT PIVOT	EA	6.68	1	14.36	:Fixing bright finished brass fan light pivot with necessary screws etc. complete:
640.	300MMLONG BRASS CHAIN	EA	8.30	1	14.37	:Fixing 300mm long bright finished brass chain with hook

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	WITH HOOK FOR FAN					for fan light including necessary screws etc. complete.
650.	300MMLONG BRASS QUADRANT STAY	EA	8.30	1	14.38	:Fixing bright finished brass quadrant stay 300mm long with necessary screws etc. complete.
660.	BRASS HELICAL DOOR SPRING	EA	44.71	1	14.39	:Fixing bright finished brass helical door spring (superior quality).
670.	CHROMIUM BUTT HINGE125X70X4MM(ORDINARY)	EA	17.94	1	14.40.1	:Fixing chromium plated brass butt hinges with necessary screws etc. complete.125x70x4mm (ordinary type)
680.	CHROMIUM BUTT HINGE100X70X4MM(ORDINARY)	EA	17.94	1	14.40.2	:Fixing chromium plated brass butt hinges with necessary screws etc. complete.100x70x4mm (ordinary type)
690.	CHROMIUM BUTT HINGE75X65X4MM(HEAVY)	EA	17.49	1	14.40.3	:Fixing chromium plated brass butt hinges with necessary screws etc. complete.75x65x4mm (heavy type)
700.	CHROMIUM BUTT HINGE75X40X2.5MM(ORD)	EA	17.49	1	14.40.4	:Fixing chromium plated brass butt hinges with necessary screws etc. complete.75x40x2.5mm (ordinary type)
740.	LIMEWHITEWASH:OLDWRK-ONE OR MORE COATS	M2	7.73	1	14.42.2	:White washing with lime to give an even shade: Old work (one or more coats)
710.	CHROMIUM BUTT HINGE50X40X2.5MM(ORDINARY)	EA	6.68	1	14.40.5	:Fixing chromium plated brass butt hinges with necessary screws etc. complete.50x40x2.5mm (ordinary type)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
720.	CHROMIUM PLATED BOLT LOCK 85X42MM	EA	18.32	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	12.29	1	14.42.1	:White washing with lime to give an even shade: Old work (two or more coats)
750.	REMOVING WHITE OR COLOUR WASH	M2	11.26	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 ORMORE COATS	M2	34.50	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 DISTEMPER-OLDWRK 1ORMORECOAT	M2	36.42	1	14.45.1	:Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade:Old work (one or more coats)
780.	REMOVING DISTEMPER,CEMENT PAINT	M2	14.52	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	48.54	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
800.	BITUMASTICPAINTONSOILPIPE-TWO ORMORECOAT	M	29.78	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	14.65	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	19.30	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
830.	Bitumasticpaint- 150mmsoil pipe,1orMorec	M	27.57	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
870.	ENAMEL PAINT ONOLDSOIL PIPE OF75MM DIA	M	15.24	1	14.51.1	: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:75mm diameter pipes
840.	Alum paint on 75mm soil	M	30.45	1	14.50.1	:Painting (two or more coats) on rain water, soil, waste

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	pipe-2orMoreCoat					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	40.82	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	60.89	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
880.	ENAMEL PAINT ONOLDSOIL PIPE OF100MM DIA	M	19.53	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	27.88	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

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900.	PAINTING WITH OILWOOD PRESERVATIVEOLDWRK	M2	15.16	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	49.83	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.
950.	BITUMASTIC PAINTING ONE/MORE COAT OLDWRK	M2	48.21	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.
920.	ENAMEL PAINTING ONE/MORE COAT ON OLDWORK	M2	48.88	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	48.88	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.
940.	ACIDPROOF PAINTING ONE/MORE COAT,OLD WRK	M2	48.88	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.
960.	FRENCH SPIRIT POLISHING,ONE/MORE COAT	M2	122.95	1	14.58.1	:French spirit polishing: One or more coats on old work.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
970.	WAX POLISHING ON WOOD,OLD WORK	M2	51.97	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 JAPAN PAINT	PLC	2.19	1	14.60	:Re-lettering with black japan paint of approved brand and manufacture.(per letter per cm height)
990.	PAINTING WITH BLACK JAPAN PAINT	M2	48.88	1	14.61	:Painting (one or more coats) with black japan paint of approved brand and manufacturing to give an even shade.
1000.	32MMDIACPCHAIN&RUBBERPLUGFORSINK,BASIN	EA	19.85	1	14.62.1	:Fixing C.P. brass chain and rubber plug complete for sink or wash basin:32mm dia
1010.	40MMDIACPCHAIN&RUBBERPLUGFORSINK,BASIN	EA	19.85	1	14.62.2	:Fixing C.P. brass chain and rubber plug complete for sink or wash basin:40mm dia
1020.	ACRYLIC DISTEMPER-ONE/MORE COATS,OLDWRK	M2	31.91	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	51.51	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 litrs/10 sqm complete including cost of Priming coat.
1040.	Water proof cement paint on	M2	36.72	1	14.64.2	Finishing walls with water proofing cement paint of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	walls-oldWr					required shade: Old work (one or more coats @ 2.20 kg/ 10 sqm) complete
1080.	ACRYLIC EXT.WALL PAINTING @0.9LIT/10M2	M2	35.74	1	14.66.2	:Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (One or more coat applied @ 0.90 ltr/10 sqm).
1050.	TEXTURED EXT. WALL PAINTING @3.28L/10M2	M2	48.16	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	35.74	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	46.75	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.
1090.	PREMIUM ACRYLICWALL PAINTING@1.43L/10 M2	M2	48.03	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	35.84	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).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	47.57	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	47.28	1	14.69.2	:Varnishing with varnish of approved brand and manufacture: One or more coats with spar varnish.
1150.	MELAMINE POLISHING ON WOOD WORK	M2	68.37	1	14.70	:Melamine polishing on wood work (one or more coat).
1160.	FLATTING VARNISHING ONE/MORE COAT	M2	51.86	1	14.71	:Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work.
1170.	DOUBLE SCAFOLDING WORK UPTO 7STOREY	M2	162.21	1	14.72	:Fixing double scaffolding system (cup lock type) on the exterior side, upto seven story hight 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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						tube challies, M.S. clamps and M.S. staricase 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.
1190.	Fixing Brass Spring catch to C/H Ventil	EA	31.82	1	14.74	Fixing 14 mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc
1180.	Fixing casement window fasteners	KG	159.10	1	14.73	Fixing bright finished brass casement window fasteners or peg stays to windows/ ventilators with necessary welding and machine screws etc. complete.
15 : DISMANTLING AND DEMOLISHING						
10.	DEMOLISHING LIME CON. (DISP50MLEAD)	M3	467.31	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
20.	DEMOLISHINGCEMENTCONCRETE1:3:6OR RICHER	M3	1,337.28	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.	DEMOLISHINGCEMENTCONCRETE1:4:8OR LEANER	M3	825.31	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.	DEMOLISHINGRCCWORK MANUALLY/MECHINACALLY	M3	1,950.93	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.	DEMOLISHINGRBWORK MANUALLY/MECHANICALLY	M3	1,744.34	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 direction of Engineer-in-Charge
60.	EXTRA FOR CUTTING REINFORCEMENT BARS	M2	654.96	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/STRAIGHTG.	KG	5.14	1	15.6	:Extra for scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work
80.	DEMOLISHING BRICK WORK IN	M3	386.99	1	15.7.1	:Demolishing brick work manually / by mechanical means

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	MUD MORTAR					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	977.98	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	467.31	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 CEMENT MORTAR	M3	1,130.69	1	15.7.4	: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 cement mortar
120.	REMOVING MUD MORTAR FROM BRICKS	NO	2,567.69	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	2,968.12	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
140.	REMOVING/CLEANING CEMENT MORTAR	NO	3,719.79	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	635.96	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	1,349.38	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 cement mortar
170.	DISMANTLING STONE WORK IN LIME MORTAR	M3	804.28	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	1,578.88	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge:In cement mortar
190.	REMOVINGMORTAR&CLEANING STONEFROMLIMEMRTR	M3	264.30	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	380.02	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	207.33	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
220.	DISMANTLING DOORS ETC OFSIZE3SQM/BEYOND	EA	284.21	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	80.68	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	106.54	1	15.13.2	:Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						metres lead: Of area beyond 3 sq. metres
280.	EXTRADISMANTLWOODWRKSECA40CM2BELOWHT>10M	M	0.96	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)
250.	DISMANTLEWOODWRK-SECAR40SQCM/ABV(5MHT)	M3	2,520.90	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	10.08	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	339.15	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)
290.	EXTRADISMANTLWOODWRKSECA40CM2&ABV-HT>5M	M3	487.42	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)

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300.	EXTRADISMANTLWOODWRKSECA40CM2BELOW-HT>5M	M	1.91	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 R.S.JOISTS	KG	1.93	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, ANGLE, TEE ETC.	KG	1.31	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-BUILTUPSECT-WITHSTACKING	KG	3.21	1	15.18	:Dismantling steel work in built up sections in angles, tees, 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	2.17	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	0.49	1	15.20	:Extra for dismantling trusses, rafters, purlins etc. of steel work for every additional span of one metre or part thereof

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						beyond 10 metres. (Rate:kg per metre span)
360.	EXTRA-DISMT.STEELTRUSS-SPAN BEYOND 5M	KG	0.49	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	2.76	1	15.22	:Extra for marking of structural steel work required to be re-erected.
410.	DISMANTLING STONE SLAB FLOORING	M2	146.58	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.
380.	DISMANTLING TILE WORK , THK 10-25MM	M2	41.44	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	64.31	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
400.	DEMOLISHING DRY BRICK PITCHING	M3	723.95	1	15.24	:Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead :
420.	DEMOLISHING BRICK TILE	M2	59.75	1	15.26	:Demolishing brick tile covering in terracing including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						stacking of serviceable material and disposal of unserviceable material within 50 metres lead.
430.	DEMOLISHING MUD PHASKA IN TERRACING	M3	501.75	1	15.27	:Demolishing mud phaska in terracing and disposal of material within 50 metres lead
440.	DISMANTLING ROOFING : G.S.SHEET	M2	92.55	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	43.41	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	1,465.78	1	15.29	:Dismantling stone slab roofing over wooden karries or R.C.C. battens (dismantling karries and battens to be paid for separately) including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.
470.	DISMANTLING JACK ARCH ROOFING AND FLOORS	M2	139.69	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	115.59	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.

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490.	DEMOLISHING THATCH ROOFING	M2	31.88	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	11.50	1	15.33	:Dismantling wooden ballies in posts and struts including stacking within 50 metres lead.
540.	DISMANTLING BARBED WIRE OR FLEXIBLE WIRE	KG	20.21	1	15.36	:Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.
510.	DISMANTLING FENCING OR STRUTS :T /L PIPE	EA	136.98	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	150.27	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.
530.	CUTTING BALLIES OR WOODEN POSTS	EA	10.25	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.
550.	DISMANTLING WOODEN TRELLIS WORK	M2	36.06	1	15.37	:Dismantling wooden trellis work excluding frames but including stacking the serviceable material within 50

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						metres lead.
560.	DISMANTLING EXPANDED METAL OR I.R.C.	M2	42.15	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	34.32	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	43.76	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 25MM TO 40MM	M2	51.13	1	15.39.3	:Dismantling wooden boardings in lining of walls and 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	160.15	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	239.92	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

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620.	DISMANTLING CEILING&PARTITIONS WALLS	M2	31.93	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	41.54	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.
670.	DISMANTLING MANUALLY : BITUMINOUS ROAD	M2	236.88	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
640.	DISMANTLING C.I/ASBESTOS PIPE 100MM DIA	M	42.84	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	44.12	1	15.42.3	:Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 150mm dia pipe
660.	DISMANTLING MANUALLY : W.B.M. ROAD	M2	120.89	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						road
680.	DISMANTLING G.I. PIPES :15MM TO 40MM	M	84.57	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 : ABOVE 40MM	M	93.39	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 150MM DIA	M	229.32	1	15.45.1	: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:Up to 150mm diameter
710.	DISMANTLING C.I. PIPES: 150-300MM DIA	M	295.08	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

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720.	DISMANTLING C.I. PIPES: ABOVE 300MM DIA	M	381.68	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	368.38	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 PIPE:ABOVE 600MM	M	935.01	1	15.46.2	: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:Above 600mm diameter
750.	DISMANTLING ASBESTOS PIPES: UPTO150MM	M	182.37	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

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760.	DISMANTLING ASBESTOS PIPE: ABOVE 150MM	M	221.36	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
800.	DISMANTLING OF ROAD GULLY CHAMBER	EA	531.15	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.
770.	TAKING OUT C.I.COVER OF MANHOLE	EA	388.03	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	227.02	1	15.49	:Taking out C.I. cover with frame from R.C.C. top slab of inspection chambers 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.

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790.	DISMANTLING OF R.C.C. SPUN VENT SHAFT	EA	2,650.72	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.
810.	DISMANTLING OF FLUSHING CISTERN	EA	532.88	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	189.13	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	686.25	1	15.53.2	:"Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres Above 150mm diameter"
840.	DISMANTLING OF SPINDLE FIRE HYDRANT	EA	417.62	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	606.00	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)"

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
860.	DISMANTLING OF PLATFORM:210 X 120 CM	EA	929.56	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	1,315.59	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	30.29	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.
890.	DISMANTLING ALUMINIUM/GYPSUM PARTITIONS	M2	31.94	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 with in 50 meters lead as directed by Engineer-in-Charge.
920.	Disposal of building rubbish,malba etc.	M3	190.41	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						initial lead, for all leads including all lifts involved.
900.	DEMOLISHCC/RCCWORK(DISPO SEAT 1000M LEAD)	M3	1,682.21	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	247.83	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.
16 : ROAD WORK						
17 : SANITARY INSTALLATIONS						
10.	FIXING ORISSA PATTERN W.C.PAN 580X440MM	EA	2,118.98	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	2,118.98	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,118.98	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 WCPAN,BLACK SEAT	EA	2,118.98	1	17.2.2	: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 black solid plastic seat and lid
50.	FIXING EUROPEAN W.C.PAN,WHITE SEAT & LID	EA	2,548.38	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,548.38	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.
70.	FIXING ONE URINAL BASIN WITH 5LT CISTERN	EA	2,543.58	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	3,881.39	1	17.4.2	:Fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	5,394.31	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: Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern.
100.	FIXING FOUR URINAL BASIN WITH 10L CISTER	EA	7,764.72	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
110.	FIXING SINGLE HALFSTALL URINAL WITH 5L	EA	5,595.34	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	8,254.82	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 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	9,735.07	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 WITH10L	EA	11,247.67	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 PLATE WITH 5L	EA	3,979.22	1	17.6.1	: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: Single squatting plate with 5 litre PVC. automatic flushing cistern.
160.	FIXING TWO SQUATING PLATES WITH 5L	EA	5,441.87	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	6,911.24	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 litre PVC. automatic flushing cistern.
180.	FIXING FOUR SQUATING PLATES WITH 10L	EA	7,936.09	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.

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190.	FIXING BASIN WITH A PAIR OF PILLAR TAPS	EA	1,089.43	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	1,042.26	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 & PAIR PILLAR TAP	EA	1,089.43	1	17.7.3	: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 550x400mm with a pair of 15mm C.P. brass pillar taps.
220.	FIXING BASIN 550X400MM & A PILLAR TAP	EA	1,042.26	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
230.	FIXING BASIN 600X480MM & A PILLAR TAP	EA	1,042.26	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.
270.	FIXING BASIN 660X5460MM & A PILLAR TAP	EA	1,042.26	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.
240.	FIXING BASIN 400X400MM & A PILLAR TAP	EA	1,042.26	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.
250.	FIXING BASIN 450X300MM & A PILLAR TAP	EA	1,042.26	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						China Flat back wash basin size 450x300mm with single 15mm C.P. brass pillar tap.
260.	FIXING BASIN 660X460MM &APAIR PILLAR TAP	EA	1,089.43	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.
280.	FIXING BASIN 405X355MM & A PILLAR TAP	EA	1,042.26	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 AISI-304(18/8) Round basin 405x355mm with single 15mm C.P. brass pillar tap.
290.	FIXING BASIN 530X345MM & A PILLAR TAP	EA	1,042.26	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	198.79	1	17.8	:Fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						and fittings.
310.	FIXING FIRE CLAY SINK 600X450X250MM	EA	937.51	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	1,298.57	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 SINK,225MM DEPTH	EA	1,298.57	1	17.10.1.2	: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 with drain board :510x1040mm bowl depth 225mm.
340.	FIXING STAINLESS STEEL SINK,200MM DEPTH	EA	1,298.57	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	EA	1,298.57	1	17.10.1.4	:Fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	SINK,178MM 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 178mm.
360.	FIXING STAINLESS STEEL SINK,200MM DEPTH	EA	898.14	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.
400.	FIXING LAB SINK 600X450X200MM	EA	937.51	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
370.	FIXING STAINLESS STEEL SINK,200MM DEPTH	EA	898.14	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 without drain board :610x460mm bowl depth 200mm.
380.	FIXING STAINLESS STEEL SINK,178MM DEPTH	EA	898.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						making good the walls wherever required:Kitchen sink without drain board :470x420mm bowl depth 178mm.
390.	FIXING LAB SINK 450X300X150MM	EA	937.51	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
410.	FIXING DRAINING BOARD	EA	428.11	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
420.	FIXING SQUATING PAN,LONG PATTERN,580MM	EA	756.78	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	756.78	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.PANORISSA 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.	FIXINGPEDESTALTYPE WC-WHITE-EUROPEAN	EA	756.78	1	17.15	:Fixing white vitreous china pedestal type (European type / wash down type) water closet pan.

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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	68.29	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	68.29	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	185.44	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
530.	FIXING WHITE PLASTIC SEAT FOR W.C.PAN	EA	32.97	1	17.20.1	:Fixing solid plastic seat with lid for pedestal type W.C. pan complete: White solid plastic seat with lid
500.	FIXING PVC LOW LEVEL COLOURED CISTERN	EA	189.92	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	723.80	1	17.19.1	:Fixing controlled flush, low level cistern made of vitreous china with all fittings complete. 10 litre (full flush) capacity-white

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520.	FIXING CONTROLLED CISTERN,COLOURED	EA	723.80	1	17.19.2	:Fixing controlled flush, low level cistern made of vitreous china with all fittings complete. 10 litre (full flush) capacity-coloured
540.	FIXING BLACK PLASTIC SEAT FOR W.C.PAN	EA	32.97	1	17.20.2	:Fixing solid plastic seat with lid for pedestal type W.C. pan complete: Black solid plastic seat with lid
550.	EXTRAFORCOLOUREDSEATCOVERINEUROPEANWC	EA	32.97	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 INLETTOFLUSHPIPECONNECTING WC PAN	EA	32.97	1	17.22	:Fixing G.I. inlet connection for flush pipe connecting with W.C. pan.
570.	FIXING FLATBACK/WALL CORNER URINAL BASIN	EA	548.16	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	1,440.56	1	17.24	:Fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe.
590.	FIXING FLAT BACK BASIN 630X450MM	EA	155.89	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	EA	155.89	1	17.25.2	:Fixing white vitreous china wash basin including making

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	550X400MM					all connections but excluding the cost of fittings: Flat back wash basin of size 550x400mm.
610.	FIXING ANGLE BACK BASIN 600X480MM	EA	155.89	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	155.89	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	155.89	1	17.25.5	:Fixing white vitreous china wash basin including making all connections but excluding the cost of fittings: Flat back wash basin of size 450x300mm.
640.	FIXING SURGEON BASIN 660X460MM	EA	155.89	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 600X450X250MM	EA	126.12	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 SINK450X300X150MM	EA	126.12	1	17.27.1	:Fixing white vitreous china laboratory sink including making all connections excluding cost of fittings: Size 450x300x150mm.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
670.	FIXING LABORATORY SINK600X450X200MM	EA	126.12	1	17.27.2	:Fixing white vitreous china laboratory sink including making all connections excluding cost of fittings: Size 600x450x200mm.
680.	SEMIRIGID PVC WASTEPIPE32MM DIA	EA	49.93	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 40MM DIA	EA	49.93	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 PIPE,32MM DIA	EA	49.93	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
710.	PVC FLEXIBLE WASTE PIPE,40MM	EA	49.93	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	10.25	1	17.29	:Fixing 100mm sand cast Iron grating for gully trap.
730.	FIXING MOSQUITO PROOF COUPLING	EA	4.49	1	17.30	:Fixing in position 25mm diameter mosquito proof coupling of approved municipal design.
740.	FIXING 600X450MM MIRROR-BEVELEDGE	EA	481.75	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
750.	6MM THICK MIRROR,CIRCULAR:450MM DIA	EA	424.27	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.
790.	FIXING GLASS SHELF 600X120X5MM	EA	321.24	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.
760.	FIXING MIRROR,RECTANGULAR:453X357MM	EA	424.27	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	424.27	1	17.32.3	: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:Oval shape 450x350mm (outer dimensions)
780.	FIXING MIRROR,RECTANGULAR:1500X450MM	EA	424.27	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
800.	TOILET PAPER HOLDER:CP BRASS	EA	188.58	1	17.34.1	:Fixing toilet paper holder: C.P. brass

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
810.	TOILET PAPER HOLDER:VITREOUS CHINA	EA	188.58	1	17.34.2	:Fixing toilet paper holder: Vitreous china
820.	FIXING SOIL,WASTE VENT PIPES,IS:1729	M	74.11	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	76.31	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	62.94	1	17.35.2.1	:Fixing soil, waste and vent pipes: 75mm diameter:Sand cast iron S&S pipe as per IS: 1729.
850.	FIXING SOIL,WASTE VENT PIPES,IS:3989	M	64.80	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	100.92	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	118.90	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	184.27	1	17.37.1	:Fixing M.S. holder-bat clamps of approved design to Sand Cast Iron / Cast Iron (spun) pipe embedded in and

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						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
920.	BENDWITHFITTINGSFOR75MMDIAPIPE,IS-1729	EA	26.57	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
890.	MS HOLDER-BAT CLAMP FOR 75MM DIA PIPE	EA	184.27	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
900.	BENDWITHFITTINGSFOR100MM DIA PIPE,IS-1729	EA	33.29	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	33.29	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
930.	BENDWITHFITTINGSFOR75MMDIA PIPE,IS-3989	EA	26.57	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

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940.	PLAIN BEND FOR100MM DIA PIPE	EA	33.29	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	33.29	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	26.57	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	26.57	1	17.39.2.2	:Fixing plain bend of required degree. 75mm: Sand cast iron S&S as per IS - 3989
980.	HEEL REST SANITARYBEND100MM DIA	EA	33.29	1	17.40.1.1	:Fixing heel rest sanitary bend 100mm dia:Sand cast iron S&S as per IS - 1729
990.	HEEL REST SANITARYBEND100MM DIA	EA	33.29	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 BEND75MM DIA	EA	26.57	1	17.40.2.1	:Fixing heel rest sanitary bend 75mm :Sand cast iron S&S as per IS - 1729
1010.	HEEL REST SANITARYBEND 75MM DIA	EA	26.57	1	17.40.2.2	:Fixing heel rest sanitary bend 75mm :Sand cast iron S&S as per IS - 3989
1050.	DOUBLEEQJUNCTION	EA	26.57	1	17.41.2.2	:Fixing double equal junction of required degree with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	75X75X75X75MM-IS3989					access door, insertion rubber washer 3mm thick, bolts and nuts complete:75x75x75x75mm:Sand cast iron S&S as per IS - 3989
1020.	DOUBLEEQJUNCTION100X100X100X100MM-IS1729	EA	32.97	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.	DOUBLEEQJUNCTION100X100X100X100MM-IS3989	EA	32.97	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.	DOUBLEEQJUNCTION75X75X75X75MM-IS1729	EA	26.57	1	17.41.2.1	: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 - 1729
1060.	PLAINDOUBLJUNCTION100X100X100X100-IS1729	EA	33.29	1	17.42.1.1	:Fixing double equal plain junction of required degree. 100x100x100x100mm:Sand cast iron S&S as per IS - 1729
1070.	PLAINDOUBLEUNCTION100X100X100X100-IS3989	EA	33.29	1	17.42.1.2	:Fixing double equal plain junction of required degree. 100x100x100x100mm:Sand cast iron S&S as per IS - 3989

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1080.	PLAINDOUBLEJUNCTION75X75X75X75MM-IS1729	EA	26.57	1	17.42.2.1	:Fixing double equal plain junction of required degree. 75x75x75x75mm:Sand cast iron S&S as per IS - 1729
1090.	PLAINDOUBLJUNCTION75X75X75X75MM-IS3989	EA	26.57	1	17.42.2.2	:Fixing double equal plain junction of required degree. 75x75x75x75mm:Sand cast iron S&S as per IS - 3989
1100.	EQUALPLAINJUNCTION100X100X100MM-IS1729	EA	33.29	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
1110.	EQUALPLAINJUNCTION100X100X100MM-IS3989	EA	33.29	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	26.57	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	26.57	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.	SINGLEQLPLAINJNCTION100X10	EA	33.29	1	17.44.1.1	:Fixing single equal plain junction of required degree:

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	0X100MM-IS1729					100x100x100mm:Sand cast iron S&S as per IS - 1729
1180.	DOUBLEUNEQLJUNCTION100X100X75X75-IS1729	EA	33.29	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
1150.	SINGLEQLPLAINJNCTION100X100X100MM-IS3989	EA	33.29	1	17.44.1.2	:Fixing single equal plain junction of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 3989
1160.	SINGLEQ LPLAINJUNCTION 75X75X75MM-IS1729	EA	26.57	1	17.44.2.1	:Fixing single equal plain junction of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 1729
1170.	SINGLEQ LPLAINJUNCTION 75X75X75MM-IS3989	EA	26.57	1	17.44.2.2	:Fixing single equal plain junction of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 3989
1190.	DOUBLEUNEQLJUNCTION100X100X75X75-IS3989	EA	33.29	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 JNCTION100X100X75X75-IS1729	EA	33.29	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 JNCTION100X100X75X75-IS3989	EA	33.29	1	17.46.1.2	:Fixing double unequal plain junction of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 3989

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1220.	SINGLUNEQ JUNCTION100X100X75MM-IS1729	EA	33.29	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	33.29	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.	SINGLUNEQPLAINJUNCTION100 X100X75-IS1729	EA	33.29	1	17.48.1.1	:Fixing single unequal plain junction of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 1729
1250.	SINGLUNEQPLAINJUNCTION100 X100X75-IS3989	EA	33.29	1	17.48.1.2	:Fixing single unequal plain junction of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 3989
1260.	DBLEQPLNINVRTBRNCH100X100 X100X100-IS1729	EA	33.29	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.	DBLEQPLNINVRTBRNCH100X100 X100X100-IS3989	EA	33.29	1	17.49.1.2	:Fixing double equal plain invert branch of required degree: 100x100x100x100mm:Sand cast iron S&S as per IS 3989
1310.	SINGLEQLINVRTBRANCH100X10 0X100-IS3989	EA	33.29	1	17.50.1.2	:Fixing single equal plain invert branch of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 3989

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1280.	DBLEQPLAININVRTBRNCH75X75X75X75MM-IS1729	EA	26.57	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	26.57	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	33.29	1	17.50.1.1	:Fixing single equal plain invert branch of required degree: 100x100x100mm:Sand cast iron S&S as per IS - 1729
1320.	SINGLEQLPLAININVRTBRANCH75X75X75-IS1729	EA	26.57	1	17.50.2.1	:Fixing single equal plain invert branch of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 1729
1330.	SINGLEQLPLAININVRTBRANCH75X75X75-IS3989	EA	26.57	1	17.50.2.2	:Fixing single equal plain invert branch of required degree: 75x75x75mm:Sand cast iron S&S as per IS - 3989
1340.	DBLUNEQL INVRTBRANCH100X100X75-IS1729	EA	33.29	1	17.51.1.1	:Fixing double unequal invert branch of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 1729
1350.	DBLUNEQL INVRTBRANCH100X100X75-IS3989	EA	33.29	1	17.51.1.2	:Fixing double unequal invert branch of required degree: 100x100x75x75mm:Sand cast iron S&S as per IS - 3989
1360.	SINGLUNEQLPLNINVRTBRNCH100X100X75-IS1729	EA	33.29	1	17.52.1.1	:Fixing single unequal plain invert branch of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 1729

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1370.	SINGLUNEQLPLNINVRTBRNCH100X100X75-IS3989	EA	33.29	1	17.52.1.2	:Fixing single unequal plain invert branch of required degree: 100x100x75mm:Sand cast iron S&S as per IS - 3989
1380.	CAST IRON S&S 76 MM OFFSET:75MMDIAPIPE	EA	26.57	1	17.53.1.1	:Fixing sand cast iron S&S off sets as per IS: 1729 :76mm off sets:With 75mm dia. pipe
1390.	CAST IRON S&S 76 MM OFFSET:100MMDIAPIPE	EA	26.57	1	17.53.1.2	:Fixing sand cast iron S&S off sets as per IS: 1729 :76mm off sets:With 100mm dia. pipe
1400.	CAST IRON S&S 114 MM OFFSET:75MMDIAPIPE	EA	33.29	1	17.53.2.1	:Fixing sand cast iron S&S off sets as per IS: 1729 :114mm off sets:With 75mm dia. pipe
1440.	CAST IRON S&S 75 MM OFFSET:75MMDIAPIPE	EA	26.57	1	17.54.1.1	:Fixing sand cast iron S&S off sets as per IS: 3989. 75mm off sets:With 75mm dia. pipe
1410.	CAST IRON S&S 114 MM OFFSET:100MMDIAPIPE	EA	33.29	1	17.53.2.2	:Fixing sand cast iron S&S off sets as per IS: 1729 :114mm off sets:With 100mm dia. Pipe
1420.	CAST IRON S&S 152 MM OFFSET:75MMDIAPIPE	EA	44.17	1	17.53.3.1	:Fixing sand cast iron S&S off sets as per IS: 1729 :152mm off sets:With 75mm dia. Pipe
1430.	CAST IRON S&S 152 MM OFFSET:100MMDIAPIPE	EA	44.17	1	17.53.3.2	:Fixing sand cast iron S&S off sets as per IS: 1729 :152mm off sets:wifh 100mm dia. Pipe

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1450.	CAST IRON S&S 150 MM OFFSET:75MMDIAPIPE	EA	39.69	1	17.54.2.1	:Fixing sand cast iron S&S off sets as per IS: 3989. 150mm off sets:With 75mm dia. pipe
1460.	CAST IRON S&S 150 MM OFFSET:100MMDIAPIPE	EA	39.69	1	17.54.2.2	:Fixing sand cast iron S&S off sets as per IS: 3989. 150mm off sets:With 100mm dia. Pipe
1470.	100MMDOORPCWASHERBLTNUT COMPLETE,IS:1729	EA	33.29	1	17.55.1.1	:Fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete: 100mm:Sand cast iron S&S as per IS - 1729
1480.	100MMDOORPCWASHERBLTNUT COMPLTIE,IS:3989	EA	33.29	1	17.55.1.2	:Fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete: 100mm:Sand cast iron S&S as per IS - 3989
1490.	75MMDOORPCWASHERBLTNUT COMPLETE,IS:1729	EA	26.57	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	26.57	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	33.29	1	17.56.1.1	:Fixing terminal guard: 100mm:Sand cast iron S&S as per IS - 1729
1520.	FIXING TERMINAL	EA	33.29	1	17.56.1.2	:Fixing terminal guard: 100mm:Sand cast iron S&S as per

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	GUARD:100MM,IS:3989					IS - 3989
1530.	FIXING TERMINAL GUARD:75MM,IS:1729	EA	26.57	1	17.56.2.1	:Fixing terminal guard: 75mmSand cast iron S&S as per IS - 1729
1570.	FIXING COLLAR:75MM,IS:1729	EA	26.57	1	17.57.2.1	:Fixing collar: 75mm:Sand cast iron S&S as per IS - 1729
1540.	FIXING TERMINAL GUARD:75MM,IS:3989	EA	26.57	1	17.56.2.2	:Fixing terminal guard: 75mmSand cast iron S&S as per IS - 3989
1550.	FIXING COLLAR:100MM,IS:1729	EA	33.29	1	17.57.1.1	:Fixing collar: 100mm:Sand cast iron S&S as per IS - 1729
1560.	FIXING COLLAR:100MM,IS:3989	EA	33.29	1	17.57.1.2	:Fixing collar: 100mm:Sand cast iron S&S as per IS - 3989
1580.	FIXING COLLAR:75MM,IS:3989	EA	26.57	1	17.57.2.2	:Fixing collar: 75mm:Sand cast iron S&S as per IS- 3989
1590.	LEAD CAULKED JOINT TO100MM DIA CI PIPE	EA	194.30	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	155.60	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	114.66	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	EA	33.29	1	17.59.1	:Fixing M.S. stays and clamps for sand cast

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	FOR100MM DIA PIPE					iron/centrifugally cast (spun) iron pipes of diameter: 100mm
1630.	FIXING MS STAY & CLAMP FOR 75MM DIA PIPE	EA	26.57	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	23.37	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 SELFCLEANSING DESIGN-IS3989	EA	730.53	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 floors: 100mm inlet and 100mm outletSand cast iron S&S as per IS: 3989.
1660.	TRAP OF SELFCLEANSING DESIGN-IS1729	EA	730.53	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.
1700.	CUTTING CHASES IN BRICK WALL FOR 75MM D	M	268.46	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						coarse sand) :75mm dia.
1670.	TRAP:100MM INLET&75MM OUTLET-IS3989	EA	730.53	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	730.53	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	370.00	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 coarse sand) :100mm dia.
1710.	CUTTING CHASES IN BRICK WALL FOR 50MM D	M	180.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :50mm dia.
1720.	PAINTING CI CISTERN ,BITUMASTIC PAINT	EA	474.61	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 ANTICOROSIVEPNT	EA	345.99	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. 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	138.14	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	40.60	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	31.08	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						approved quality) for new work: 75mm diameter pipe
1770.	REPAINTING SAND CI PIPES:100MM DIA	M	19.92	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	14.93	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
1790.	REPAINTING BATHTUB,SIZE1700X730X430MM	EA	327.64	1	17.67	:Repainting bath tub of size 1700x730x430mm with enamel paint.
1830.	FIXING PTMT 31MM BOTTLE TRAP FOR BASIN	EA	49.93	1	17.70.1	:Fixing PTMT Bottle Trap for Wash basin and sink. Bottle 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.
1800.	FIXING VITREOUS CHINA DUAL PURPOSE W.C	EA	3,774.08	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	49.93	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	49.93	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.
1840.	FIXING PTMT 38MM BOTTLE TRAP FOR BASIN	EA	49.93	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	16.64	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						gms.
1860.	FIXING PTMT TOWEL RING	EA	49.93	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	250.46	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.
1880.	FIXING PTMT TOWEL RAIL ,600MM LONG	EA	250.46	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	250.46	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	16.64	1	17.75	:Fixing PTMT 15mm Urinal spreader size 95x69x100mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1910.	FIXING PTMT URINAL COCK	EA	19.85	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 HOLDERBATCLAMPFORSINGL100MM DIAPIPE	EA	79.97	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 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).
1960.	Fixing vitreous chinawater less urinal	EA	714.61	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.
1930.	MS HOLDERBATCLAMPFORTWO100MM DIAPIPE	EA	91.20	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 HOLDERBATCLAMPFORTHREE100MM DIAPIPE	EA	102.32	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 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	2,212.37	1	17.78	Fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm and white vitreous china

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						cistern - capacity 3 litre/6 litre
1970.	Fixing vitreous china sensor operated ur	EA	714.61	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 ...
18 : WATER SUPPLY						
10.	FIXING PE-AL-PE 16MMOD PRESSURE PIPE	M	109.41	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 (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	120.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	130.86	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 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	149.57	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	FIXING PE-AL-PE 40MMOD PRESSURE PIPE	M	190.91	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.
60.	FIXING PE-AL-PE 50MMOD PRESSURE PIPE	M	190.91	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	215.09	1	18.2.1	:Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 U.V.

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.:1216 (16mm OD) pipe
80.	FIXING20MMOD PRESSURE PIPE,CONCEALED	M	215.09	1	18.2.2	: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 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	215.09	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

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 of joints complete as per direction of the Engineer-in-Charge.:2025 (25mm OD) pipe.
100.	FIXING 32MMOD PRESSURE PIPE,CONCEALED	M	215.09	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 (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.:2532 (32mm OD) pipe.
110.	FIXING PE-AL-PE 16MMOD PRESSURE PIPE	M	91.38	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	91.38	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 Engineer-in-Charge.:1620 (20mm OD) pipe.
130.	FIXING PE-AL-PE 25MMOD PRESSURE PIPE	M	91.38	1	18.3.3	: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.:2025 (25mm OD) pipe.
140.	FIXING PE-AL-PE 32MMOD PRESSURE PIPE	M	91.38	1	18.3.4	Fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS - 15450 -

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.:2532 (32mm OD) pipe.
150.	FIXING PE-AL-PE 40MMOD PRESSURE PIPE	M	107.59	1	18.3.5	: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.:3240 (40mm OD) pipe.
160.	FIXING PE-AL-PE 50MMOD PRESSURE PIPE	M	107.59	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	109.41	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
180.	FIXING 3 LAYER PP-R PIPES ,20MM OD	M	120.14	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	130.86	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
200.	FIXING 3 LAYER PP-R PIPES ,32MM OD	M	149.57	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	190.91	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 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
250.	FIXING 3 LAYER PN-16 PIPE,25MM OD	M	215.09	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
220.	FIXING 3 LAYER PP-R PIPES ,50MM OD	M	190.91	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	215.09	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	215.09	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 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
260.	FIXING 3 LAYER PN-16 PIPE,32MM OD	M	215.09	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 PIPE,16MMOD(SDR-7.4	M	91.38	1	18.6.1	: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. :PN - 16 Pipe, 16mm OD (SDR -7.4)
280.	FIXING 3 LAYER PN-16 PIPE,20MMOD(SDR-7.4	M	91.38	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. :PN - 16 Pipe, 20mm OD (SDR -7.4)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
290.	FIXING 3 LAYER PN-16 PIPE,25MMOD(SDR-7.4	M	99.77	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. :PN - 16 Pipe, 25mm OD (SDR -7.4)
300.	FIXING 3 LAYER PN-16 PIPE,32MMOD(SDR-7.4	M	99.77	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 random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge. :PN - 16 Pipe, 32mm OD (SDR -7.4)
310.	FIXING 3 LAYER PN-16 PIPE,40MMOD(SDR-7.4	M	107.59	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. :PN - 16 Pipe, 40mm OD (SDR -7.4)
320.	FIXING 3 LAYER PN-16 PIPE,50MMOD(SDR-7.4	M	107.59	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						including all PP-R plain & brass threaded polypropylene random fittings including trenching ,refilling & testing of joints complete as per direction of Engineer-in-Charge. :PN - 16 Pipe, 50mm OD (SDR -7.4).
330.	FIXING 3 LAYER PN-16 PIPE,63MMOD(SDR-7.4	M	133.79	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. :PN - 16 Pipe, 63mm OD (SDR -7.4)
340.	FIXING 3 LAYER PN-16 PIPE,75MMOD(SDR-7.4	M	133.79	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. :PN - 16 Pipe, 75mm OD (SDR -7.4)
380.	FIXING 15MM OD CPVC PIPES	M	120.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						direction of Engineer-in-Charge.:15mm nominal outer dia. pipes.
350.	FIXING 3 LAYER PN-16 PIPE,90MMOD(SDR-7.4	M	177.33	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. :PN - 16 Pipe, 90mm OD (SDR -7.4)
360.	FIXING 3LAYER PN-16 PIPE,110MMOD(SDR-7.4	M	177.33	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. :PN - 10 Pipe, 110mm OD (SDR -11)
370.	FIXING 3LAYER PN-16 PIPE,160MMOD(SDR-7.4	M	272.89	1	18.6.11	: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. :PN - 10 Pipe, 160mm OD (SDR -11)

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390.	FIXING 20MM OD CPVC PIPES	M	130.86	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	130.86	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 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	149.57	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
420.	FIXING 40 MM OD CPVC PIPES	M	190.91	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	190.91	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 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	215.09	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
450.	FIXING 20MM OD CPVC PIPES	M	215.09	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	215.09	1	18.8.3	: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.:25mm nominal outer dia. pipes.
470.	FIXING 32MM OD CPVC PIPES	M	215.09	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	91.38	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.
520.	FIXING 40MM OD CPVC PIPES	M	107.59	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 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.
490.	FIXING 20MM OD CPVC PIPES	M	91.38	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.

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500.	FIXING 25MM OD CPVC PIPES	M	99.77	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	99.77	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.
530.	FIXING 50MM OD CPVC PIPES	M	107.59	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	133.79	1	18.9.7	:Fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	133.79	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 nominal inner dia. pipes.
560.	FIXING 100MM OD CPVC PIPES	M	177.33	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	272.89	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						complete as per direction of Engineer-in-Charge. :150mm nominal inner dia. pipes.
580.	FIXING GI PIPE& FITTING,15MM NB	M	111.40	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	122.12	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 NB	M	133.55	1	18.10.3	:Fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. 25mm dia. nominal bore
610.	FIXING GI PIPE& FITTING,32MM NB	M	151.91	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	194.24	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	235.29	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
640.	CONCEALED PIPE IWITH PAINTING,15MM NB	M	223.83	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	225.05	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	92.69	1	18.12.1	:Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :15mm dia. nominal bore
670.	FIXING GI PIPE & FITTING,20MM NB	M	92.69	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	101.44	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	101.44	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	109.93	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	109.93	1	18.12.6	:Fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. :50mm dia. nominal bore

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
720.	FIXING GI PIPE & FITTING,65 MM NB	M	137.12	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	137.12	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	468.87	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
750.	MAKING GI DISTRIBUTION BRANCH:50 TO 80MM	EA	634.58	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
790.	FIXING BRASS STOP COCK,15MM NB	EA	19.85	1	18.16.1	:Fixing brass stop cock of approved quality: 15mm nominal bore
760.	FIXING WATER METER &STOPCOCK IN GI PIPE	EA	468.87	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	19.85	1	18.15.1	:Fixing brass bib cock of approved quality: 15mm nominal bore

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780.	FIXING BRASS BIB COCK,20MM NB	EA	23.37	1	18.15.2	:Fixing brass bib cock of approved quality: 20mm nominal bore
800.	FIXING BRASS STOP COCK,20 MM NB	EA	24.10	1	18.16.2	:Fixing brass stop cock of approved quality: 20mm nominal bore
810.	FIXING GATE VALVE WITH CI WHEEL:25MM NB	EA	26.57	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 WHEEL:32MMNB	EA	30.10	1	18.17.2	:Fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :32mm nominal bore.
830.	FIXING GATE VALVE WITH CI WHEEL :40MM NB	EA	33.29	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	36.49	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	39.69	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	46.41	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	53.14	1	18.18.1	:Fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 15mm nominal

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bore.
880.	FIXING BALL VALVE :20 MM NB	EA	66.26	1	18.18.2	:Fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 20mm nominal bore.
920.	FIXING NON RETURN VALVE:32MMNB,HORIZONTL	EA	36.49	1	18.19.2.1	:Fixing gun metal non-return valve of approved quality (screwed end) : 32mm nominal boreHorizontal
890.	FIXING BALL VALVE :25MM NB	EA	79.38	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 VALVE:25MMNB,HORIZONTA	EA	33.29	1	18.19.1.1	:Fixing gun metal non-return valve of approved quality (screwed end) : 25mm nominal boreHorizontal
910.	FIXING NON RETURN VALVE:25MMNB,VERTICAL	EA	33.29	1	18.19.1.2	:Fixing gun metal non-return valve of approved quality (screwed end) : 25mm nominal boreVertical
930.	FIXING NON RETURN VALVE:32MM NB,VERTICAL	EA	36.49	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,HORIZONTL	EA	39.69	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	39.69	1	18.19.3.2	:Fixing gun metal non-return valve of approved quality (screwed end) : 40mm nominal bore Vertical.

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960.	FIXING NON RETURN VALVE:50MMNB,HORIZONTL	EA	43.22	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	43.22	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,HORIZONTL	EA	46.41	1	18.19.5.1	:Fixing gun metal non-return valve of approved quality (screwed end) : 65mm nominal bore Horizontal.
990.	FIXING NON RETURN VALVE:65MM NB,VERTICAL	EA	46.41	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	49.93	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	49.93	1	18.19.6.2	:Fixing gun metal non-return valve of approved quality (screwed end) :80mm nominal boreVertical
1050.	FIXING PVC PIPE:30CM L & 15MM NB	EA	30.10	1	18.21.1.1	:Fixing uplasticised PVC connection pipe with brass unions: 30cm length 15mm nominal bore.
1020.	FIXING BRASS FERRULE:15MM NB	EA	99.23	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	EA	116.20	1	18.20.2	:Fixing brass ferrule with C.I. mouth cover including boring

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	NB					and tapping the main: 20mm nominal bore
1040.	FIXING BRASS FERRULE:25MM NB	EA	132.53	1	18.20.3	:Fixing brass ferrule with C.I. mouth cover including boring and tapping the main: 25mm nominal bore.
1060.	FIXING PVC PIPE:30CM L & 20MM NB	EA	30.10	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	33.29	1	18.21.2.1	:Fixing uplasticised PVC connection pipe with brass unions: 45cm length 15mm nominal bore.
1080.	FIXING PVC PIPE:30CM L & 20MM NB	EA	33.29	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	16.64	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	19.85	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	205.05	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	384.02	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).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1130.	LAYING S&S OR FLANGED CI SPECIALS	QTL	384.02	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	384.02	1	18.25.2	:Laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) : Over 300mm dia.
1180.	LAYING S&S IRON PIPE;125MM DIA	M	52.90	1	18.27.2	:Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 125mm dia. pipe
1150.	LAYING FLANGED CI SPECIALS UPTO 300MM	QTL	384.02	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.
1160.	LAYING FLANGED CI SPECIALS OVER 300MM	QTL	384.02	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	40.60	1	18.27.1	:Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 100mm dia. pipe
1190.	LAYING S&S IRON PIPE;150MM DIA	M	66.03	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	96.58	1	18.27.4	:Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 200mm dia. pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1210.	LAYING S&S IRON PIPE;250MM DIA	M	130.21	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	167.73	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	211.41	1	18.27.7	:Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 350mm dia. pipe
1240.	LAYING S&S IRON PIPE;400MM DIA	M	257.34	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	310.24	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	363.14	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	483.92	1	18.27.11	:Laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : 600mm dia. pipe
1310.	FIXING LEAD CAULKED JOINTS:200MM DIA	EA	531.66	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 lead: 200mm diameter pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1280.	FIXING LEAD CAULKED JOINTS:100MM DIA	EA	265.48	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	398.42	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	399.06	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
1320.	FIXING LEAD CAULKED JOINTS:250MM DIA	EA	664.89	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	797.48	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	799.41	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	1,063.25	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1360.	FIXING LEAD CAULKED JOINTS:450MM DIA	EA	1,196.55	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	1,263.45	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
1380.	FIXING LEAD CAULKED JOINTS:600MM DIA	EA	1,726.09	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	68.74	1	18.30.1	:Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:80mm diameter pipe
1440.	FIXING FLANGED JOINTS:200 MM DIA PIPE	EA	108.46	1	18.30.5	:Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:200mm diameter pipe
1410.	FIXING FLANGED JOINTS :100MM DIA PIPE	EA	95.34	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	95.34	1	18.30.3	:Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:125mm diameter pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1430.	FIXING FLANGED JOINTS:150 MM DIA PIPE	EA	108.46	1	18.30.4	:Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:150mm diameter pipe
1450.	FIXING FLANGED JOINTS:250 MM DIA PIPE	EA	135.00	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	135.00	1	18.30.7	:Fixing flanged joints to double flanged C.I./ D.I. pipes and specials including testing of joints:300mm diameter pipe
1470.	FIXING FLANGED JOINTS :350MM DIA PIPE	EA	161.25	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	161.92	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	188.17	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	201.30	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	227.90	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	EA	360.80	1	18.31.1.1	:"Fixing C.I. sluice valves (with cap) complete with bolts,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	DIA,CLASSI					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	406.88	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 "
1570.	FIXING CI SLICE VALVE :150MM DIA,CLASSII	EA	549.10	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
1540.	FIXING CI SLICE VALVE :125MM DIA,CLASSI	EA	406.88	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	452.97	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	495.34	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
1580.	FIXING CI SLICE VALVE:200MM DIA,CLASSI	EA	683.50	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						be paid separately) : 200mm diameterClass I
1590.	FIXING CI SLICE VALVE :200MM DIA,CLASSII	EA	794.87	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	960.85	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
1610.	FIXING CI SLICE VALVE :250MM DIA,CLASSII	EA	1,152.86	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	1,200.86	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	1,435.12	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	542.79	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						: 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 60X60X75CM	EA	3,232.65	1	18.33.1	:Constructing masonry chamber 60x60x75cm, 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
1660.	MAKING MASONAY CHAMBER 90X90X100CM	EA	5,787.80	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	10.41	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.
1670.	MAKING MASONAY CHAMBER 120X120X100	EA	8,193.77	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.1. 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	Schudle Line No.	Detail Description
1680.	MAKING MASONAY CHAMBER 60X60X75CM	EA	3,206.97	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
1690.	MAKING MASONAY CHAMBER 60X45X50CM	EA	2,833.40	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
1710.	PAINTING GI PIPES &	M	12.21	1	18.38.2	:Painting G.I. pipes and fittings with synthetic enamel

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	FITTINGS:20 MM DIA					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	16.15	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	19.02	1	18.38.4	:Painting G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work:32mm diameter pipe.
1740.	PAINTING GI PIPES & FITTINGS:40 MM DIA	M	22.61	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	26.54	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	5.28	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	6.12	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&	M	7.84	1	18.39.3	:Repainting G.I. pipes and fittings with synthetic enamel

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	FITTINGS,25MMDIA					white paint of approved quality: 25mm diameter pipe
1790.	REPAINTING GI PIPES& FITTINGS,32MMDIA	M	9.21	1	18.39.4	:Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 32mm diameter pipe
1830.	BITUMASTIC PAINTING GI PIPE&FITTING,20MM	M	7.97	1	18.40.2	:Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 20mm diameter pipe
1800.	REPAINTING GI PIPES& FITTING,.40MMDIA	M	10.76	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& FITTINGS,50 MMDIA	M	12.59	1	18.39.6	:Repainting G.I. pipes and fittings with synthetic enamel white paint of approved quality: 50mm diameter pipe
1820.	BITUMASTIC PAINTING GI PIPE&FITTING,15MM	M	6.75	1	18.40.1	:Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 15mm diameter pipe
1840.	BITUMASTIC PAINTING GI PIPE&FITTING,25MM	M	10.17	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	12.10	1	18.40.4	:Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 32mm diameter pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1860.	BITUMASTIC PAINTING GI PIPE&FITTING,40MM	M	13.78	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	16.42	1	18.40.6	:Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : 50mm diameter pipe
1880.	BITUMASTIC PAINTING GI PIPE&FITTING,65MM	M	20.23	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	23.45	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	7.31	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	7.41	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	7.61	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1960.	FILLING SAND ALL-ROUND GI PIPE:65MMDIA	M	12.94	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
1930.	FILLING SAND ALL-ROUND GI PIPE:32 MMDIA	M	7.81	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	7.90	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	8.20	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
1970.	FILLING SAND ALL-ROUND GI PIPE:80 MMDIA	M	13.34	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	14.13	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	21.04	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 WITH100MM DIA CASING PIPE:UPTO6M	M	432.30	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2010.	BORING WITH CASING PIPE:6M TO 12M DEPTH	M	513.69	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	597.86	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 to 18 m depth.
2030.	PLACING INPOSITION FILTER OF40MM DIAGI	M	190.45	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	73.12	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	182.28	1	18.45	:Placing in position hand pump of approved quality for 40mm diameter G.I. pipe complete with all accessories.
2090.	FIXING GI UNION IN GI PIPE :32MMNB	EA	156.40	1	18.46.4	:Fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 32mm nominal
2060.	FIXING GI UNION IN GI PIPE	EA	156.40	1	18.46.1	:Fixing G.I. Union in G.I. pipe including cutting and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	:15MMNB					threading the pipe and making long screws etc. complete (New work) 15mm nominal bore
2070.	FIXING GI UNION IN GI PIPE :20MMNB	EA	156.40	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	156.40	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
2100.	FIXING GI UNION IN GI PIPE :40MMNB	EA	156.40	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	211.63	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	211.63	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	211.63	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2140.	FIXING GI UNIONIN EXISTING GI PIPE15MMNB	EA	460.22	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	460.22	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 good the same complete wherever required: 20mm nominal bore.
2160.	FIXING GIUNION IN EXISTING GI PIPE25MMNB	EA	460.22	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	460.22	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	460.22	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						good the same complete wherever required: 40mm nominal bore.
2220.	PLACING ON TERRACE WATER STORAGE TANK	L	1.33	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
2190.	FIXING GI UNION INEXISTING GI PIPE50MMNB	EA	625.95	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.
2200.	FIXING GI UNION INEXISTING GI PIPE65MMNB	EA	625.95	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	625.95	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2230.	FIXING CP BRASS BIB COCK,15MMNB	EA	28.50	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	40.01	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	34.25	1	18.51.1	:Fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms15mm nominal bore
2260.	FIXINGCP BRASS STOPCOCK,15MM NB	EA	28.50	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	27.85	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	19.85	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	19.85	1	18.54.2	:Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 122mm long, weighing not less than 99 gms.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2300.	FIXING BIBCOCK,15MM NB,NOTLESS THAN 110G	EA	19.85	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	19.85	1	18.54.4	:Fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 90mm long, weighing not less than 93 gms.
2350.	FIXING PTMT PILLARCOCK,NOTLESS THAN110G	EA	23.37	1	18.56.1	:Fixing PTMT pillar cock of approved quality and colour. 15mm nominal bore, 107mm long, weighing not less than 110 gms.
2320.	FIXING PTMT STOPCOCK ,15MM NB	EA	19.85	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	19.85	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	19.85	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.
2360.	FIXING PTMT PILLARCOCK,NOTLESS THAN120G	EA	23.37	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2370.	FIXING PTMT PUSHCOCK,WT NOT LESS THAN75G	EA	19.85	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	19.85	1	18.57.2	:Fixing PTMT, push cock of approved quality and colour. 15mm nominal bore, 80mm long, weighing not less than 46 gms.
2390.	FIXING PTMT GRATING ,CIRCULAR,100MM DIA	EA	10.25	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	10.25	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	10.25	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	84.75	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	EA	84.75	1	18.59.2	:Fixing C.I. double acting air valve of approved quality with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	VALVE:80MMD					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	114.55	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
2480.	FIXING ENCLOSED WATER METER 200MM DIA	EA	985.18	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
2450.	FIXING ENCLOSED WATER METER 80MM DIA NB	EA	617.64	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	702.86	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	857.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						required will be paid separately) :150mm dia nominal bore
2490.	FIXING CI DIRT BOX STAINER :80MM DIA	EA	297.54	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	382.74	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.
2510.	FIXING CI DIRT BOX STAINER :150MM DIA	EA	473.00	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	601.05	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	53.14	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	66.26	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.

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2550.	FIXING BALL COCK,WT NOT LESS THAN 440GM	EA	79.38	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	79.38	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, weighing not less than 690 gms
2570.	FIXING BALL COCK,WT NOT LESS THAN1240GM	EA	79.38	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.
2610.	LAYING CI SPECIALS FOR FLANGED JOINTING	QTL	384.02	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
2580.	FIXING PTMT ANGLE STOP COCK	EA	19.85	1	18.63	:Fixing PTMT angle stop cock 15mm nominal bore, weighing not less than 85 gms.
2590.	FIXING PTMT SWIVELLING SHOWER	EA	16.64	1	18.64	:Fixing PTMT swivelling shower, 15mm nominal bore, weighing not less than 40gms.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2600.	FIXING PTMT SOAP DISH HOLDER	EA	16.64	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.
2620.	LAYING CI SPECIALS FOR FLANGED JOINTING	QTL	384.02	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 300MM DIA	QTL	384.02	1	18.67.1	:Laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 Up to 300mm dia
2640.	LAYING CI STD SPECILAS ABOVE 300MM DIA	QTL	384.02	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	384.02	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	384.02	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	384.02	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	384.02	1	18.69.2	:Laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Above 600mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2690.	PUSH ONJOINTS TO 100MM D PIPE	EA	41.02	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	78.75	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
2740.	PUSH ON JOINTS TO 350MM D PIPE	EA	157.50	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
2710.	PUSH ON JOINTS TO 200MM D PIPE	EA	105.00	1	18.70.3	:Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or 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	131.25	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 TO300MM D PIPE	EA	157.50	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
2750.	PUSH ON JOINTS TO 400MM D PIPE	EA	210.00	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2760.	PUSH ON JOINTS TO 450MM D PIPE	EA	236.25	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	249.37	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
2780.	PUSH ON JOINTS TO 600MM D PIPE	EA	341.25	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	404.25	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	404.25	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	446.25	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	EA	525.00	1	18.70.14	:Push-on-joints to Centrifugally (Spun) Cast Iron Pipes or

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	PIPE					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	577.50	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
2870.	LAYING 250MM DIA CI DOUBLE FLAGED PIPE	M	175.11	1	18.71.4	:Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :250mm dia C.I. Double Flanged Pipe
2840.	LAYING 100MM DIA CI DOUBLE FLAGED PIPE	M	55.36	1	18.71.1	:Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :100mm dia C.I. Double Flanged Pipe
2850.	LAYING 150MM DIA CI DOUBLE FLAGED PIPE	M	90.63	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	130.41	1	18.71.3	:Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :200mm dia C.I. Double Flanged Pipe
2880.	:LAYING 300MM DIA CI DOUBLE FLAGED PIPE	M	225.56	1	18.71.5	:Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :300mm dia C.I. Double Flanged Pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2890.	LAYING 350MM DIA CI DOUBLE FLAGED PIPE	M	278.46	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	342.02	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 FLAGED PIPE	M	413.38	1	18.71.8	:Laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) :450mm dia C.I. Double Flanged Pipe
2920.	LAYING 500MM DIA CI DOUBLE FLAGED PIPE	M	481.46	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 FLAGED PIPE	M	646.73	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	31.58	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	46.75	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2960.	LAYING 200MM DIA DUCTILE IRON K-7 PIPE	M	61.72	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
3000.	LAYING 400MM DIA DUCTILE IRON K-7 PIPE	M	160.55	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
2970.	LAYING 250MM DIA DUCTILE IRON K-7 PIPE	M	80.59	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
2980.	LAYING 300MM DIA DUCTILE IRON K-7 PIPE	M	99.24	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	135.33	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
3010.	LAYING 450MM DIA DUCTILE IRON K-7 PIPE	M	187.42	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	M	218.58	1	18.72.9	:Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	IRON K-7 PIPE					conforming to IS: 8329 : 500mm dia Ductile Iron Class K-7 pipes
3030.	LAYING 600MM DIA DUCTILE IRON K-7 PIPE	M	284.20	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	387.34	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
3050.	LAYING 800MM DIA DUCTILE IRON K-7 PIPE	M	499.30	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	579.68	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	713.98	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	36.42	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3090.	LAYING 150MM DIA DUCTILE IRON K-9 PIPE	M	53.87	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
3110.	LAYING 250MM DIA DUCTILE IRON K-9 PIPE	M	98.42	1	18.72.18	:Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS: 8329 : 250mm dia Ductile Iron Class K-9 pipes
3100.	LAYING 200MM DIA DUCTILE IRON K-9 PIPE	M	74.13	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
3120.	LAYING 300MM DIA DUCTILE IRON K-9 PIPE	M	124.04	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	163.49	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	194.39	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	227.54	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3160.	LAYING 500MM DIA DUCTILE IRON K-9 PIPE	M	265.50	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	345.88	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
3180.	LAYING 700MM DIA DUCTILE IRON K-9 PIPE	M	446.07	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	497.45	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	547.69	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	658.81	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	M	779.58	1	18.72.29	:Laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	IRON K-9 PIPE					conforming to IS: 8329 : 1000mm dia Ductile Iron Class K-9 pipes
3260.	LAYING250MM DIA DOUBLE FLANGED IRON PIPE	M	121.80	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
3230.	LAYING100MM DIA DOUBLE FLANGED IRON PIPE	M	44.70	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.	LAYING150MM DIA DOUBLE FLANGED IRON PIPE	M	66.85	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
3250.	LAYING200MM DIA DOUBLE FLANGED IRON PIPE	M	90.63	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
3270.	LAYING300MM DIA DOUBLE FLANGED IRON PIPE	M	156.66	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	187.42	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3290.	LAYING400MM DIA DOUBLE FLANGED IRON PIPE	M	221.45	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	262.05	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 FLANGED IRON PIPE	M	303.47	1	18.73.9	:Laying Double Flanged (Screwed / Welded) Centrifugally (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	408.05	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	522.88	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	30.10	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	33.29	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3390.	CUTTING HOLES UPTO 30X30CM IN WALLS	EA	178.21	1	18.76.1	:Cutting holes up to 30x30cm in walls including making good the same:With F.P.S. bricks
3360.	FIXING PTMT NIPPLE,WT NOT LESS THAN 32GM	EA	8.33	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	8.33	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.
3380.	FIXING PTMT NIPPLE,WT NOT LESS THAN 62GM	EA	8.33	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.
3400.	CUTTING HOLES UPTO15X15CM IN FLOORS&ROOF	EA	266.73	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	106.35	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3420.	MAKING HOLE UPTO 20X20CM	M	69.53	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	10.42	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 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	13.70	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	17.07	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3460.	DISINFECTING CI WATER MAINS 150MM DIA	M	20.38	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	26.98	1	18.80.5	: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. 200mm diameter C.I. pipe
3480.	DISINFECTING CI WATER MAINS 250MM DIA	M	33.65	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
3520.	DISINFECTING CI WATER MAINS 450MM DIA	M	46.86	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3490.	DISINFECTING CI WATER MAINS 300MM DIA	M	36.94	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	40.22	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 400MM DIA	M	43.56	1	18.80.9	: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. 400mm diameter C.I. pipe
3530.	DISINFECTING CI WATER MAINS 500MM DIA	M	50.26	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						laboratory. 500mm diameter C.I. pipe
3540.	DISINFECTING CI WATER MAINS 600MM DIA	M	56.82	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
3550.	EXTRA FOR EVERY OPERATION 80MM DIA PIPE	M	3.81	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	4.67	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	5.70	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3580.	EXTRA FOR EVERY OPERATION 150MM DIA PIPE	M	6.60	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	10.09	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 water, including getting the samples of water tested in the municipal laboratory:200mm diameter C.I. pipe
3600.	EXTRA FOR EVERY OPERATION 250MM DIA PIPE	M	11.42	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 300MM DIA PIPE	M	12.64	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
3650.	EXTRA FOR EVERY OPERATION 500MM DIA PIPE	M	20.69	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						water, including getting the samples of water tested in the municipal laboratory:500mm diameter C.I. pipe
3620.	EXTRA FOR EVERY OPERATION 350MM DIA PIPE	M	14.65	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 400MM DIA PIPE	M	16.65	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
3640.	EXTRA FOR EVERY OPERATION 450MM DIA PIPE	M	18.68	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
3660.	EXTRA FOR EVERY OPERATION 600MM DIA PIPE	M	24.67	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3670.	DISMENTLING 80MM DIA C.I. PIPES	M	221.34	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	229.32	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 including stacking of pipes at site lead up to 50 metre: 100mm diameter C.I. pipe
3690.	DISMENTLING 125MM DIA C.I. PIPES	M	236.48	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: 125mm diameter C.I. pipe
3700.	DISMENTLING 150MM DIA C.I. PIPES	M	244.27	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: 150mm diameter C.I. pipe
3710.	DISMENTLING 200MM DIA C.I. PIPES	M	270.12	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						including stacking of pipes at site lead up to 50 metre: 100mm diameter C.I. pipe
3720.	DISMENTLING 250MM DIA C.I. PIPES	M	295.08	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: 250mm diameter C.I. pipe
3730.	DISMENTLING 300MM DIA C.I. PIPES	M	318.44	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	340.96	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
3780.	DISMENTLING 600MM DIA C.I. PIPES	M	430.58	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3750.	DISMENTLING 400MM DIA C.I. PIPES	M	361.03	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	381.68	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	399.60	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 including stacking of pipes at site lead up to 50 metre: 500mm diameter C.I. pipe
3790.	LABOUR FOR CUTTING CI PIPE 80MM DIA	EA	87.34	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	117.21	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	162.79	1	18.83.3	:Labour for cutting C.I. pipe with steel saw. 125mm diameter C.I. pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3820.	LABOUR FOR CUTTING CI PIPE 150MM DIA	EA	220.28	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	293.81	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	365.10	1	18.83.6	:Labour for cutting C.I. pipe with steel saw. 250mm diameter C.I. pipe
3850.	LABOUR FOR CUTTING CI PIPE 300MM DIA	EA	438.64	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	509.92	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	583.14	1	18.83.9	:Labour for cutting C.I. pipe with steel saw. 400mm diameter C.I. pipe
3910.	Labour for fixing sensor pillar cock	EA	19.85	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.
3880.	LABOUR FOR CUTTING CI PIPE 4500MM DIA	EA	654.75	1	18.83.10	:Labour for cutting C.I. pipe with steel saw. 450mm diameter C.I. pipe
3890.	LABOUR FOR CUTTING CI PIPE	EA	727.97	1	18.83.11	:Labour for cutting C.I. pipe with steel saw. 500mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	500MM DIA					diameter C.I. pipe
3900.	LABOUR FOR CUTTING CI PIPE 600MM DIA	EA	868.31	1	18.83.12	:Labour for cutting C.I. pipe with steel saw. 600mm diameter C.I. pipe
19 : DRAINAGE						
10.	GLAZED STONEWARE PIPE-100 MM-MORTAR 1:1	M	128.97	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 (1 cement : 1 fine sand) including testing of joints etc. complete:100mm diameter
20.	GLAZED STONEWARE PIPE-150 MM-MORTAR 1:1	M	172.72	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	200.17	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	GLAZED STONEWARE PIPE-250 MM-MORTAR 1:1	M	249.51	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	271.38	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
70.	C.C 1:5:10 ALROUND SW PIPES 100 MM DIA	M	237.55	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	290.52	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	338.67	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	391.64	1	19.2.4	:Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. PIPES 100 MM	M	112.90	1	19.3.1	:Laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate40mm 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	182.98	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	215.08	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	250.39	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
160.	C.C 1:5:10 HAUNCHES S.W. PIPES 300 MM	M	288.91	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 standard design:300mm diameter S.W. pipe(Deleted)
180.	SWGULLYTRAP(100MMX100MMP)F.P.S.BRICK -75	EA	445.89	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 P)SEWER BRICK	EA	408.54	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
200.	SWGULLYTRAP(150MMX100MMP)F.P.S.BRICK -75	EA	431.98	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 P)SEWER BRICK	EA	394.63	1	19.4.2.2	: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 :150 x 100mm size P type.:With sewer bricks conforming to IS : 4885
220.	SWGULLYTRAP(180MMX150MMP)F.P.S.BRICK -75	EA	403.55	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.
260.	DISMANTLING OLD SW PIPE-200 MM	M	57.38	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						into municipal dumps: 200mm diameter
230.	S.W.GULLYTRAP(180MMX150MM P)SEWER BRICK	EA	366.20	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 MM	M	48.77	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
250.	DISMANTLING OLD SW PIPE-150 MM	M	53.94	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
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	60.82	1	19.5.4	:Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						within 50m lead and disposal of unserviceable materials into municipal dumps: 250mm diameter
290.	DISMANTLING OLD SW PIPE-300 MM	M	64.26	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 MM	M	74.02	1	19.5.6	: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: 350mm diameter
310.	DISMANTLING OLD SW PIPE-400 MM	M	80.90	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	84.35	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	94.15	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

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340.	150 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)	M	113.10	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	181.26	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 testing of joints etc. complete:250mm dia. R.C.C. pipe
390.	600 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)	M	263.04	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
360.	300 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)	M	167.13	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	218.99	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	M	234.74	1	19.6.6	:Laying non-pressure NP2 class (light duty) R.C.C. pipes

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	MORTAR)					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
400.	700 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)	M	298.52	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
410.	800 MM DIA N.P2. R.C.C. PIPE(1:2 MORTAR)	M	327.40	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	390.32	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	482.89	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	618.88	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						testing of joints etc. complete:1100mm dia. R.C.C. pipe
450.	1200 MM DIA N.P2R.C.C. PIPE(1:2 MORTAR)	M	777.28	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 FPS.BRICK-38KGCOVER WGT	EA	2,628.62	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 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 SWR.BRICK-38KGCOVER WGT	EA	2,530.93	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 Sewer bricks conforming to IS : 4885
480.	MNHOLE-90CMDEPTH FPS.BRICK-58KGCOVER WGT	EA	5,001.20	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :With F.P.S. bricks class designation 75
520.	EXTRA DPTHNMNHOLE90X80 CM F.P.S. BRICKS	M	2,277.16	1	19.8.1.1	:Extra for depth for manholes :Size 90x80cm:With F.P.S. bricks class designation 75
490.	MNHOLE-90CMDEPTH SWR.BRICK-58KGCOVER WGT	EA	4,733.98	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 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 FPS.BRIK-208KGCOVER WGT	EA	4,911.06	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
510.	MNHOLE-90CMDEPTH SWR.BRIK-208KGCOVER WGT	EA	4,681.19	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						100 kg)With Sewer bricks conforming to IS : 4885
530.	EXTRA DPTH MNHOLE 90X80 CM SEWER BRICKS	M	1,992.70	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 CM F.P.S. BRIK	M	2,744.13	1	19.8.2.1	:Extra for depth for manholes :Size 120x90cm:With F.P.S. bricks class designation 75
550.	EXTRA DPTHNMANHOLE 120X90 CM SEWER BRIK	M	2,405.08	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	2,928.85	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,754.47	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 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
580.	EXTRA DEPTH >0.91M & < 1.67M F.P.S. BRIK	M	1,972.30	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 SEWER BRIK	M	1,734.12	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 1.22MIDF.P.S. BRICK	EA	5,868.17	1	19.11.1.1	: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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						designation 75
610.	CIRCULAR MANHOLE 1.22MID SEWER BRICK	EA	5,475.42	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 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
630.	EXTRA DPTH >1.68 M&< 2.29 M SEWER BRICK	M	2,275.44	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
620.	EXTRA DPTH >1.68 M&< 2.29 M F.P.S. BRICK	M	2,586.33	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
640.	CIRCULAR MANHOLE 1.52MIDF.P.S. BRICK	EA	12,410.90	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 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	11,309.36	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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	5,455.59	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	4,651.68	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
680.	M.S.FOOTREST IN MANHOLES 20 MMSQUARE BAR	EA	199.16	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	199.16	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
700.	ORANGE COLOUR SAFETY FOOT REST-6MM THICK	EA	210.44	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
710.	REPLACE M.S.FOOT REST-20 MM SQUARE BAR	EA	272.17	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	272.17	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
730.	FIXING C.I. COVER IN MANHOLE >23 KG.	EA	86.46	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	102.03	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.
780.	PRECASTRCCM/H COVER CIRCULAR 450MM LD2.5	EA	98.14	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 :Circular shape 450mm internal diameter
750.	FIXING C.I. COVER IN MANHOLE <108 KG.	EA	108.54	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.

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760.	PRCSTRCC M/HCOVERRECTNGLR600*450M MLD2.5	EA	114.21	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 :Rectangular shape 600x450mm internal dimensions
770.	PRECASTRCCM/H COVER SQUARE450 MM LD2.5	EA	98.14	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 :Square shape 450mm internal dimensions
790.	PRECASTRCC M/H COVER SQ.450*450MMMD10	EA	121.91	1	19.19.2.1	:Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality M D -10 :Square shape 450mm internal dimension
800.	PRECASTRCC M/H COVER CIRCULAR 500MMMD10	EA	105.84	1	19.19.2.2	:Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality M D -10 :Circular shape 500mm internal diameter
810.	PRCSTRCC M/H COVERCIRCULAR560 MM(HD20)	EA	131.44	1	19.19.3.1	:Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality HD - 20 Circular shape 560mm internal diameter
820.	PRCSTRCC M/H COVERCIRCULAR560 MM(EHD20)	EA	131.44	1	19.19.4.1	:Fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality EHD - 35:Circular shape 560mm internal dia.
830.	C.I. COVER 300X300 MM >4.5KG.	EA	23.86	1	19.20	:Fixing C.I. cover 300x300mm without frame for gully trap

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						(standard pattern) the weight of cover to be not less than 4.5kg.
840.	CONNECTING DRAIN/S/L WITHM/H 100-230 MM	EA	437.19	1	19.21.1	: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 100 to 230mm diameter
850.	CONNECTING DRAIN/S/L WITHM/H 250-300 MM	EA	468.74	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	662.02	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	4,795.85	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 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
910.	DISMANTLINGM/H RECT.90X80CM &45 CM DEEP	EA	1,400.08	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
880.	150 MM DIASAND CAST IRONDROP CONNECTION	EA	6,278.90	1	19.22.2	:Fixing sand cast iron drop connection externally for 60cm drop from branch sewer line to main sewer manhole

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	951.11	1	19.23.1	:Extra for depths beyond 60cm of sand cast iron drop connection complete:For 100mm dia. sand cast iron drop connection
900.	EXTRA FOR DEPTHS >60 CM-150 MM DIA.DROP	M	1,102.70	1	19.23.2	:Extra for depths beyond 60cm of sand cast iron drop connection complete:For 150mm dia. sand cast iron drop connection.
920.	DISMANTLINGM/H RECT.120X90 CM&90 CM DEEP	EA	2,462.18	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

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930.	DISMANTLEM/H RECT.140X90CM&2.45MDEEP	EA	4,657.86	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	3,564.70	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 122cm diameter and 1.68 m deep
950.	EXTRA FORDEPTHM/HDISMANTLED:90X 80X45 CM	M	1,123.86	1	19.25.1	:Extra for depth of manholes dismantled: Rectangular manhole 90x80cm and 45cm deep
960.	EXTRA FORDEPTHM/HDISMANTLED:120 X90X90 CM	M	1,338.69	1	19.25.2	:Extra for depth of manholes dismantled: Rectangular manhole 120x90cm and 90cm deep
970.	EXTRA FORDEPTHM/HDISMANTLED:140 X90CM	M	1,084.55	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	1,223.48	1	19.25.4	:Extra for depth of manholes dismantled: Circular manhole 122cm diameter and 1.68m deep (up to 2.29 m depth)

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990.	RAISE M/H RECTANGULAR COVER 600X450 MM	EA	1,214.45	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	1,933.35	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
1040.	ROAD GULLY CHAMBER 45X45X77.5CM	EA	1,792.05	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
1010.	RAISING M/H CIRCULAR COVER 560 MM DIA	EA	1,806.88	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	169.02	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						separately) : Circular manhole 140cm dia with circular cover 600mm dia of grade EHD - 35
1030.	ROAD GULLY CHAMBER 50X45X60CM	EA	1,532.54	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
1050.	ROAD GULLY CHAMBER 110X50X77.5CM	EA	2,993.48	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 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	1,480.52	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 :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,697.38	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 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 500x700mm and 45cm deep for pipe line with one or two inlets:With F.P.S. bricks
1080.	BRICK MASONRY CHAMBER600X850MM&45CM DEEP	EA	2,114.43	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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: 455X610 MM SIZE	M	1,554.47	1	19.31.1.1	:Extra for depth beyond 45cm of brick masonry chamber:For 455x610mm size:With F.P.S. bricks
1100.	EXTRA DEPTH CHAMBER: 500X700 MM SIZE	M	1,705.47	1	19.31.2.1	:Extra for depth beyond 45cm of brick masonry chamber: For 500x700mm size With F.P.S. bricks
1110.	EXTRA DEPTH CHAMBER 600X850 MM SIZE	M	1,999.33	1	19.31.3.1	:Extra for depth beyond 45cm of brick masonry chamber: For 600x850mm size:With F.P.S. bricks
1120.	MAKING SOAK PIT (75 DEG CLASS BRICK)	EA	8,196.17	1	19.32.1	:Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100mm diameter, 1.8 m long complete as per standard design.:With F.P.S. bricks
1130.	CONSTRUCTING SOAK	EA	804.31	1	19.33	:Constructing soak pit 1.20x1.20x1.20m filled with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	PIT(BRICKBATS)					brickbats including S.W. drain pipe 100mm diameter and 1.20m long complete as per standard design.
1150.	S.W. INTERCEPTING TRAP M/H 150 MM DIA	EA	115.45	1	19.34.2	:Fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete: 150mm dia
1140.	S.W. INTERCEPTING TRAP M/H 100 MM DIA	EA	79.94	1	19.34.1	:Fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete: 100mm dia
20 : PILE WORK						
10.	DRIVEN CAST-IN-SITU RCC PILE-400 MM DIA	M	1,200.69	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	1,517.41	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,876.77	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 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	1,966.42	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	3,316.41	1	20.1.5	:Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	5,328.84	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 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	6,546.32	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
80.	DRIVENCAST-IN-SITU RCC PILE-1500 MM DIA	M	8,837.91	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.
90.	BORED CAST-IN-SITU RCC PILE-300 MM DIA	M	937.61	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	1,063.87	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

Item No.	Description	Unit	Rate	Per Unit	Schudle 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).:400mm dia piles
110.	BORED CAST-IN-SITU RCC PILE-450 MM DIA	M	1,386.89	1	20.2.3	: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).:450mm dia piles
120.	BORED CAST-IN-SITU RCC PILE-500 MM DIA	M	2,072.67	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,650.03	1	20.2.5	: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).:600mm dia piles
140.	BORED CAST-IN-SITU RCC PILE-750 MM DIA	M	3,644.57	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	5,906.03	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 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	7,344.75	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	10,015.53	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, 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	1,910.86	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						payment shall be measured upto to the bottom of pile cap) : 300mm dia piles.
190.	SINGLE UNDER REAMED PILES-400 MM DIA	M	2,075.20	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) : 400mm dia piles
200.	SINGLE UNDER REAMED PILES-450 MM DIA	M	2,168.23	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) : 450mm dia piles
210.	SINGLE UNDER REAMED PILES-550 MM DIA	M	2,302.19	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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) : 550mm dia piles
220.	EXTRA OVER ITEM20.3-ADDL.BULB 300MM DIA	EA	1,565.76	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 ITEM20.3-ADDL.BULB 400MM DIA	EA	1,645.12	1	20.4.2	: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). :400mm dia piles.
240.	EXTRA OVER ITEM20.3-ADDL.BULB 450MM DIA	EA	1,692.74	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.
280.	PRECAST DRIVEN RCC PILES 500 MM DIA	M	2,069.88	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
250.	EXTRA OVER ITEM20.3-ADDL.BULB 550MM DIA	EA	1,783.14	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 400 MM DIA	M	1,623.79	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 450 MM DIA	M	2,096.96	1	20.5.2	: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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
290.	PRECAST DRIVEN RCC PILES 550 MM DIA	M	2,329.97	1	20.5.4	: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). 750mm dia piles.
300.	PRECAST DRIVEN RCC PILES 750 MM DIA	M	4,262.49	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
310.	PRECAST DRIVEN RCC PILES 1000 MM DIA	M	5,782.03	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.	VERTICALSINGLEPILELOADTESTING50T-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.	VERTICALSINGLEPILELOADTESTING50T-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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	VRTICLSINGLPILELOADTEST50T &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 pile upto 50 tonne capacity and upto 100 tonne capacity .Routine test. (Rate :Per test)
350.	VRTICLSINGLPILELOADTEST50T &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.	VERTICALGROUPPILELOADTESTING50T-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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						of two or more piles upto 50 tonne capacity .Routine test .(Rate :Per test)
370.	VERTICALGROUPPILELOADTESTING50T-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)
410.	LATERALPILELOADTESTING-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)
380.	CYCLICVRTICALPILE(SINGEL)LOADTESTUPTO50T	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 tonne capacity pile.(Rate :Per test)
390.	CYCLICVRTICALPILE(SINGL)LOADTEST>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)LOADTESTUPTO50T	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)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
420.	LATERALPILELOADTESTING-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	831.14	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						
10.	ANODISED ALUMINIUM WORK-D/W/V/PATITION	KG	81.62	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						grade AC 15)
20.	POWDERCOATEDALUMINIUM WRK-D/W/V/PATITION	KG	81.62	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 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	81.62	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	ANODISEDALUMINMWRKSHUTTER D/W/V/PATITION	KG	132.64	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 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/PATITION	KG	132.64	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	132.64	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 /

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						neoprene gasket required (Fittings shall be paid for separately).Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)
70.	PRELAMINATDBRDPARTITION-DECORATIVEON1SD	M2	182.54	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 lamination on other side.
80.	PRELAMINATEDBRDPARTITION-DECORATIVEBOTH	M2	182.54	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 PANE 4.0 MM THK	M2	309.04	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						beading shall be paid in basic item):With float glass panes of 4.0mm thickness
100.	GLAZINGALMN-FLOAT GLASS PANE5.5 MM THK	M2	311.28	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 PANE 8 MM THK	M2	315.00	1	21.3.3	: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.	HYDRAULICFLRSPRNG-STAINLESSSTEELCOVERPLT	M2	321.68	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	321.68	1	21.4.2	:Fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	154.31	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. 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	19.58	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.	ANODISEDALUMINIUMCOVERIN G -EXPANSIONJNT	KG	79.49	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	POWDEREDALUMINIUMCOVERING -EXPANSIONJNT	KG	79.49	1	21.7.2	: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 SELNT -5MMDEPTH	M	57.63	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						complete.Upto 5mm depth and 5mm width
190.	EXTRA FOR APPLYADDLANODIC 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.	EXTRAFORAPPLYADDLANODICC OATING- 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.
240.	STAINLESSSTLADJUSTSTAYS-SDEHUNGW355X19MM	EA	18.09	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
210.	HERMETICALLYSEALEDGLAZING -W/V/PARTITION	M2	451.46	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 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 EHUNG W205X19MM	EA	18.09	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

OIL INDIA LIMITED

Civil Engineering Deptt.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
230.	STAINLESSSTLADJUSTSTAYS-SDEHUNGW255X19MM	EA	18.09	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
250.	STAINLESSSTLADJUSTSTAYS-SDEHUNGW510X19MM	EA	18.09	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-SDEHUNGW710X19MM	EA	18.09	1	21.11.5	: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	11.18	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.	POWDERCOATDALUMINIUMTUBULARHANDLE BAR.	EA	11.18	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
290.	POLYSTRCOATEDMINALUMINIUMTUBULARHANDLE	EA	11.18	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	146.20	1	21.13	:Fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.
310.	ANODISEDALUMINIUMSUB FRAME WORK FOR W/V	KG	25.20	1	21.14	: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.	ALUMINCASEMENTWINDOWSFASTENER-ANODIZED	EA	5.52	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.	ALUMINCASEMENTWINDOWSFASTENER-POWDRCOAT	EA	5.52	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.
370.	ALUMINROUNDSHAPEHANDLE-	EA	5.52	1	21.16.3	:Fixing aluminium round shape handle of outer dia 100mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	POLYESTERPOWDERCT					with SS screws etc. complete as per direction of Engineer-in-Charge.Polyester powder coated minimum thickness 50 micron aluminium
340.	ALUMNCASEMENTWINDOWSFASTENER-POLYESTERCT	EA	5.52	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	5.52	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.	ALUMINIUMROUNDSHAPEHANDLE -POWDER COATD	EA	5.52	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 thickfness 50 micron aluminium
380.	Providing and fixing anodised aluminium	KG	83.68	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 glas	M2	856.67	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. ..

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
22 : WATER PROOFING						
10.	CEMENTBASEDWPTREATMENT-HORIZONTAL SURFC	M2	391.79	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 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	690.18	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	317.26	1	22.3	:Laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: 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 of vertical and horizontal surface. 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. iii) III course of applying blown or residual bitumen applied hot at 1.7kg per sqm of area. 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.)
40.	PVC water stops -central bulb	M	12.12	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						complete:Serrated with central bulb (225mm wide, 8-11mm thick).
50.	PVC water stops Dumb bell-central bulb	M	12.12	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	12.12	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 binding wire before pouring concrete etc. complete:Kickers (320mm wide, 5mm thick).
70.	WPtrtmnt in sunken portion of WCs,Bthrm	M2	283.09	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 : 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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
80.	WP TREATMENT ON ROOFSLABS-WP COMPOUND	M2	227.64	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 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	563.37	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 : 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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
100.	1LAYER B/FELT-6 MM OR DOWN STONE GRIT	M2	126.66	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.
110.	2LAYERB/FELT(HASSEN)6MM OR DWN STNEGRIT	M2	182.31	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	241.73	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	241.73	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 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	24.83	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	6.98-	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	8.29-	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
170.	GRADING ROOF WITH CEMENT CONCRETE 1:2:4	M3	1,726.51	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	5,695.88	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	5,693.64	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 MEMBRANE-ROOF	M2	127.30	1	22.15	:Laying in situ seven course water proofing treatment with 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						paid for separately as per DSR item No. 12.19
240.	APP MEMBRANE(GLASS FIBRE MATT)-3 MM THK	M2	131.56	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 viscocity 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 manufacturer of membrane:3mm thick
210.	1 LAYER OF APP MEMBRANE OVER ROOF (2MM)	M2	96.36	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
230.	APP MEMBRANE 2MM (FOR C.G.S ROOF)	M2	131.56	1	22.18.1	:Fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2mm thick water proofing membrance, 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 membrance manufacture of density at 25°C, 0.87 - 0.89 kg/ltr and viscocity 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)
250.	APP (NON-WOVEN POLYESTER MATT)3 MM THK	M2	131.56	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscocity 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
260.	COVERING TOPOF MEMBRANE WITHGEOTEXTILE	M2	29.56	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]. "
23 : HORTICULTURE AND LANDSCAPE						
10.	TRENCHING-COST OF EARTH EXCLUDED	M3	61.49	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	197.39	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 manure(8%red.,20mm sieve)	M3	52.62	1	23.4.1	: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 20mm
50.	Supply of dump manure(8%red.,16mm sieve)	M3	81.32	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.,4.75MM SIEVE	M3	104.27	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

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70.	Rough dressing the trenched ground	M2	1.18	1	23.5	:Rough dressing the trenched ground including breaking clods.
80.	UPROOTING WEEDS FROM THE TRENCHED AREA	M2	3.85	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	2.90	1	23.7	:Fine dressing the ground.
100.	SPREADING OF SLUDGE/DUMP MANURE/EARTH	M3	41.45	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).
110.	MIX EARTH AND SLUDGE OR MANURE IN PROP	M3	28.69	1	23.9	:Mixing earth and sludge or manure in proportion specified or directed.
120.	DOOB' GRASSING IN ROWS 15CM APART	M2	13.94	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	10.49	1	23.10.2	:Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	27.04	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 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	47.93	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						lifts.
170.	PREPARATION OF BEDS FOR HEDGING	M3	175.00	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).
180.	DIGGING/REFILINGHOLESOIL1.2 MDIA/1.2MDEP	EA	293.94	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	EA	125.83	1	23.14.2	:Digging holes in ordinary soil and refilling the same with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	MDIA/0.6MDEP					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	38.66	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 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.
240.	TREEGUARDBYCOALTARDRUM-1CTOFCOALTAR1.3MH	EA	297.25	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
210.	Digging/RefilingHoleSoil0.45mdia/0.	EA	16.64	1	23.14.4	Digging holes in ordinary soil and refilling the same with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	45mde					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	360.28	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	2,271.97	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 paint of approved brand and manufacture over a coat of priming, complete in all respects.
250.	TREEGUARDBYCOALTARDRUM-2MRCTOFENAML1.3MH	EA	463.85	1	23.17.2	:Two or more coats of synthetic enamel paint of approved quality shade over a priming coat.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
260.	TREEGUARDBYCOALTARDRUM-1CTOFCOALTAR1.0MH	EA	486.99	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	743.83	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 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	9.55	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
300.	FILLING MIX.OF EARTH&SLUDGE IN TRENCHES	M3	14.35	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	401.65	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	447.55	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.
330.	EXCAVATION IN WATER BOUND MACADAM ROAD	M3	550.83	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.
370.	MS Tree Guard 50cm sqr.in plan	EA	1,130.50	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
340.	FLOODING THE GROUND WITH WATER	M2	1.86	1	23.24	:Flooding the ground with water including making kiaries and dismantling the same.
350.	Supplying cow dung	M3	421.38	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	750.26	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 ambers 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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, 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.
380.	Preparation of Mounds	M3	359.94	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.
390.	Making Circular CC Pots dia. 35 cm	EA	108.35	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
400.	Making Circular CC Pots dia. 30 cm	EA	77.69	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	134.48	1	23.30.1	Making Square 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 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						

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10.	Hiring of Coaltar Boiler 900-1400 L	DAY	920.00	1	0001	Hire charges of Coaltar Boiler 900 to 1400 litres
20.	Hiring of Concrete Mixer 0.14 m3	DAY	920.00	1	0002	Hire charges of Concrete Mixer 0.14 cubic metre
30.	Hiring of Diesel Road Roller: 8-10 T	DAY	3,450.00	1	0003	Hire charges of Diesel Road Roller - 8 to 10 tonne
40.	Concrete by batch mix plant	M3	460.00	1	0004	Production cost of concrete by batch mix plant.
50.	Hiring of Diesel Truck - 9 T	DAY	4,531.00	1	0005	Hire charges of Diesel Truck - 9 tonne
60.	Hiring ofSpray m/c incl. electric charge	DAY	287.50	1	0006	Hire charges of Spraying machine including electric charges
70.	Hire charges of Coaltar Sprayer	DAY	402.50	1	0007	Hire charges of Coaltar Sprayer
80.	Hiring of Asphalt Plant-capacity 30/45 T	DAY	8,855.00	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	241.50	1	0009	Pumping charges of concrete including Hire charges of pump, piping work & accessories etc.
100.	Hire charges of Derrick monkey rope	DAY	862.50	1	0010	Hire charges of Derrick monkey rope
110.	Hiring of Pump set of capacity 4000 L/hr	DAY	805.00	1	0011	Hire charges of Pump set of capacity 4000 litres/hour.
120.	Vibrator (Needle type 40mm)	DAY	402.50	1	0012	Vibrator (Needle type 40mm)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
130.	Machine for rubbing of floors	DAY	345.00	1	0013	Machine for rubbing of floors
140.	Front end loader	DAY	6,900.00	1	0014	Front end loader
150.	Mastic Cooker	DAY	862.50	1	0016	Mastic Cooker
160.	Hire and running charges of tipper	DAY	4,312.50	1	0017	Hire and running charges of tipper
170.	Hire and running charges of loader.	DAY	6,900.00	1	0018	Hire and running charges of loader.
180.	Hand Grinder For mirror polish	DAY	287.50	1	0019	Hand Grinder For mirror polish
190.	Hydraulic Excavator(3D)with Driver&Fuel	DAY	8,050.00	1	0020	Hydraulic Excavator (3D) with driver and fuel.
200.	Pin vibrator	DAY	287.50	1	0021	Pin vibrator
210.	Surface Vibrator	DAY	345.00	1	0022	Surface Vibrator
250.	Hire & running charges of bentonite pump	DAY	3,450.00	1	0026	Hire and running charges of bentonite pump.
220.	hot Hire charge Bitumen mixture 0.5 cum	DAY	4,025.00	1	0023	Hire charges of hot Bitumen mixture 0.5 cum i/c hand cart
230.	Hiring & Running-Hydraulic Piling Rig	DAY	40,250.00	1	0024	Hire and running charges of hydraulic piling rig with power unit etc. including complete accessories and shifting at

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						site.
240.	Hire and running charges of light crane	DAY	4,025.00	1	0025	Hire and running charges of light crane.
260.	Hire&run-vibrating pile driving hammer	DAY	34,500.00	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	8,050.00	1	0028	Hire and running charges of crane 20 tonne capacity.
280.	Carriage of concrete by transit mixer.	KMC	42.90	1	0029	Carriage of concrete by transit mixer.
290.	Generator 250 KVA.	DAY	3,450.00	1	0030	Generator 250 KVA.
300.	Paint applicator.	DAY	920.00	1	0033	Paint applicator.
310.	Mobile crane.	DAY	5,175.00	1	0037	Mobile crane.
320.	Tractor with ripper attachment.	DAY	1,380.00	1	0038	Tractor with ripper attachment.
330.	Tractor with trolley.	DAY	1,380.00	1	0039	Tractor with trolley.
340.	Air compressor 250 cfm	DAY	1,840.00	1	0040	Air compressor 250 cfm with two leads for pneumatic cutters/ hammers.
350.	Joint cutting machine with 2-3 blades	DAY	920.00	1	0041	Joint cutting machine with 2-3 blades

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
390.	Water tanker 5000 litr. capacity	DAY	1,380.00	1	0046	Water tanker 5000 litr. capacity
360.	C.C .batch mix plant.	DAY	11,500.00	1	0042	C.C .batch mix plant.
370.	Road sweeper	DAY	632.50	1	0043	Road sweeper
380.	Slip form paver with sensor.	DAY	14,950.00	1	0045	Slip form paver with sensor.
400.	Concrete joint cutting machine.	DAY	690.00	1	0047	Concrete joint cutting machine.
410.	Texturing machine.	DAY	1,063.75	1	0048	Texturing machine.
420.	Dozer D-80-A 12	HR	1,725.00	1	0049	Dozer D-80-A 12(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
430.	Motor Grader 3.35 metre blade	HR	2,760.00	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	920.00	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	1,495.00	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.)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
460.	Tipper -5 Cum	TKM	3.80	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	690.00	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	345.00	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	1,380.00	1	0056	Tandem Road Roller (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
530.	Emulsion Pressure Distributor @ 1750 sqm	HR	805.00	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.)
500.	Water Tanker 5 to 6 KL capacity	HR	230.00	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	230.00	1	0058	Air compressor (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
520.	Wet Mix Plant 60 TPH	HR	1,092.50	1	0059	Wet Mix Plant 60 TPH (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
540.	Hot mix Plant -120 TPH capacity	HR	17,250.00	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	14,950.00	1	0063	Hot mix Plant 100 TPH Capacity (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
560.	Paver finisher Hydrostatic with sensor c	HR	1,725.00	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	920.00	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	2,760.00	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	HR	3,450.00	1	0068	Concrete Paver finisher with 40 HP Motor and sensor(hire

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Motor					- charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
600.	Generator 250 KVA	HR	460.00	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	345.00	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	3.80	1	0071	Truck 5.5 cum/ 10 tonnes(hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
630.	Road sweeper (Mechamical Broom) @ 1250 s	HR	517.50	1	0075	Road sweeper (Mechamical Broom) @ 1250 sqm per hour (hire - charges include cost of services of operating staff, supply of lubricating oil and diesel also.)
670.	Steam curing by using boiler /Heater	M3	575.00	1	0031	
640.	Drum Type HMP of 60-90 TPH capacity @ 75	HR	13,800.00	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	8,625.00	1	0080	Hire and running charges of drill machine up to 400 mm dia (including cost of mobile oil, diesel consumption in

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						ordinary soil and operator)
660.	Hire and running charges of Tripod and M	DAY	3,450.00	1	0015	Hire and running charges of Tripod and Mechanical Winch machine complete with power unit and accessories
680.	Stressing Machine (jack with pump)	DAY	13,225.00	1	0032	
690.	Cutting saw machine	DAY	1,552.50	1	0034	
700.	Strands Roller machinery for laying stra	DAY	4,025.00	1	0035	Strands Roller machinery for laying strands
710.	Bed master (Pulling strands)	DAY	3,450.00	1	0036	
720.	Cost for crane upto 40 tonne capacity	DAY	9,200.00	1	0044	
730.	Mechanical Broom Hydraulic	H	517.50	1	0060	
740.	Cost for crane upto 80 tonne capacity	DAY	17,250.00	1	0067	
750.	Cost for crane having capacity 50MT	DAY	9,775.00	1	0072	
760.	Pile Integrity testing equipment	DAY	3,450.00	1	0081	
770.	Excavation of Diaphragm wall by Mechanic	M2	1,725.00	1	0082	Excavation of Diaphragm wall by Mechanical Grab
810.	Compressor, gun, rubber pipes & other ac	DAY	4,600.00	1	0086	Compressor, gun, rubber pipes & other accessories- hire charge of plant & machinery i/c necessary fuel
780.	Hire charges of TATA 407 or equivalent f	DAY	1,610.00	1	0083	Hire charges of TATA 407 or equivalent for local shifting
790.	Hire charges of diesel truck - 9 tonne (	DAY	2,300.00	1	0084	Hire charges of diesel truck - 9 tonne (witout POL)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
800.	Using cost of Ultra Violet Radiation tub	H	218.50	1	0085	Using cost of Ultra Violet Radiation tube
820.	Hire Charges of Suction Jeting machine 2	DAY	46,000.00	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	184.00	1	0088	Hire charges of Drill machine upto 30 mm dia
840.	Hire charges of sand blasting equipment	DAY	460.00	1	0089	
850.	Hire charges of compressor	DAY	575.00	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	230.00	1	0092	Hire charges of plant and Machinery that can inject 350 kg/day
880.	Hire Charges of Suction Jeting machine 1	DAY	11,500.00	1	0093	Hire Charges of Suction Jeting machine 1500 PSI machine i/c POL and operator
00.02 : LABOUR RATES						
10.	Bandhani	DAY	577.00	1	0100	:Bandhani
20.	Bhisti	DAY	577.00	1	0101	:Bhisti
30.	Blacksmith 1st class	DAY	695.00	1	0102	:Blacksmith 1st class
40.	Blacksmith 2nd class	DAY	577.00	1	0103	:Blacksmith 2nd class

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	Carpenter 1st class	DAY	695.00	1	0111	:Carpenter 1st class
60.	Carpenter 2nd class	DAY	577.00	1	0112	:Carpenter 2nd class
70.	Chowkidar	DAY	494.00	1	0113	:Chowkidar
80.	Beldar	DAY	494.00	1	0114	:Beldar
90.	Coolie	DAY	494.00	1	0115	:Coolie
100.	Fitter (grade 1)	DAY	695.00	1	0116	:Fitter (grade 1)
110.	Assistant Fitter or 2nd class fitter	DAY	577.00	1	0117	:Assistant Fitter or 2nd class Fitter
120.	Glazier	DAY	577.00	1	0119	:Glazier
130.	Mason (for plaster of paris work) 1st cl	DAY	695.00	1	0122	:Mason (for plaster of paris work) 1st class
140.	Mason (brick layer) 1st class	DAY	695.00	1	0123	:Mason (brick layer) 1st class
150.	Mason (brick layer) 2nd class	DAY	577.00	1	0124	:Mason (brick layer) 2nd class
160.	Mason (for plain stone work) 2nd class	DAY	577.00	1	0125	:Mason (for plain stone work) 2nd class)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
170.	Mason (for ornamental stone work) 1st cl	DAY	695.00	1	0126	:Mason (for ornamental stone work) 1st class
210.	Painter	DAY	577.00	1	0131	:Painter
180.	Driver (for Road Roller, Concrete Mixer,	DAY	695.00	1	0127	:Driver (for Road Roller, Concrete Mixer, Truck etc.)
190.	Mate	DAY	577.00	1	0128	:Mate
200.	Mistry	DAY	695.00	1	0130	:Mistry
220.	Rock Excavator	DAY	494.00	1	0132	:Rock Excavator
230.	Rock Breaker	DAY	494.00	1	0133	:Rock Breaker
240.	Rock Hole Driller	DAY	494.00	1	0134	:Rock Hole Driller
250.	Stone Chiseller	DAY	577.00	1	0135	:Stone Chiseller
260.	Sprayer (for bitumen, tar etc.)	DAY	577.00	1	0138	:Sprayer (for bitumen, tar etc.)
270.	Skilled Beldar (for floor rubbing etc.)	DAY	577.00	1	0139	:Skilled Beldar (for floor rubbing etc.)
280.	White Washer	DAY	577.00	1	0141	:White Washer
290.	Mason (average)	DAY	636.00	1	0155	:Mason (average) Note :- * These rates are average of 1st

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						class and 2nd class categories. This is for use in the analysis of rate only.
300.	Carpenter (average)	DAY	636.00	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	695.00	1	0157	:Operator (Pile/ Special machine)
320.	Skilled torch operator for laying tack	DAY	695.00	1	0159	:Skilled torch operator for laying tack
00.03 : MATERIALS RATE WITH CONTS PROFIT EXC GST						
10.	Seam bolts & nuts 6 mm dia, 25 mm long	NO	11.50	10	0222	:Seam bolts and nuts 6 mm dia and 25 mm long
20.	Non- Asb F.C. corrugated sheet 6mm .	M2	258.75	1	0223	:Non - Asbestos fibre cement corrugated sheet 6mm thick.
30.	Non- Asb F.C. adjustable ridge.	M	241.50	1	0224	:Non - Asbestos fibre cement close fitting adjustable ridge.
40.	Non- Asb F.C. corrugated serrated ridge	M	241.50	1	0225	:Non - Asbestos fibre cement corrugate serrated adjustable ridge.
50.	Non-Asb F.C. plain ridge.	M	241.50	1	0226	:Non - Asbestos fibre cement plain wing adjustable ridge.
60.	Non-Asb F.C. unserrated ridge.	M	241.50	1	0227	:Non - Asbestos fibre cement unserrated adjustable ridge for hips.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
70.	Non -Asbestos fibre cement apron piece.	M	230.00	1	0228	:Non - Asbestos fibre cement corrugated apron piece.
80.	Non -Asbestos fibre cement eaves piece.	EA	201.25	1	0229	:Non - Asbestos fibre cement eaves filler piece.
90.	Non - Asbs fibre cement N L curves.	M	322.00	1	0230	:Non - Asbestos fibre cement north light curves.
100.	Non -Asbestos fibre cement vent curves.	EA	356.50	1	0231	:Non - Asbestos fibre cement ventilator curves.
110.	Non -Abs F.C. barge boards 6 mm thick.	M	460.00	1	0232	:Non - Asbestos fibre cement barge boards 6 mm thick.
120.	Non - Asbestos fibre cement ridge finial	PAA	189.75	1	0233	:Non - Asbestos fibre cement ridge finial .
130.	Non - Asb F.C. special N L curves.	EA	638.25	1	0234	:Non - Asbestos fibre cement special north light curves.
140.	Non - Asb F.C. S type louvers.	EA	299.00	1	0235	:Non - Asbestos fibre cement S type louvers.
150.	Non -Asb F.C. multipurpose board-6mm.	M2	241.50	1	0236	:Non - Asbestos multi purpose fibre cement board 6mm thick.
160.	Non -Asb F.C. multipurpose board-8mm.	M2	253.00	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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
260.	Stone Aggregate (Single size) : 10 mm	M3		1	0297	:Stone Aggregate (Single size) : 10 mm nominal size
300.	Bajri	M3		1	0304	:Bajri
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	46.00	1	0302	:Safeda ballies 125 mm diameter
290.	Cow Dung	M3	287.50	1	0303	Cow Dung
310.	Bamboo 25 mm dia 2.5 metre long	NO		1	0305	:Bamboo 25 mm dia 2.5 metre long

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
320.	Bhusa	QTL	575.00	1	0308	:Bhusa
330.	Paving bitumen S-90 of approved quality	TO	29,456.10	1	0309	:Paving bitumen S-90 of approved quality
340.	Bitumen emulsion	TO	35,420.00	1	0310	:Bitumen emulsion
350.	Bitumen grade PMB - 40	MT	37,892.50	1	0312	:Bitumen grade PMB - 40
360.	Bitumen of penetration Grade 85/25	TO	40,008.50	1	0313	:Blown type petroleum bitumen of penetration 85/25 of approved quality
370.	itumen hot sealing compound : grade A	KG	33.35	1	0314	:Bitumen hot sealing compound : grade A
380.	Bitumen sol. primer of approved quality	L	54.05	1	0316	:Bitumen solution primer of approved quality
390.	Premoulded joint filler 12 mm thick	M2	414.00	1	0317	:Premoulded joint filler 12 mm thick
400.	Bitumen felt fibre base (V or A): 2 G.1	M2	80.50	1	0318	:Bitumen felt fibre base (vegetable or animal):Type 2 grade 1
440.	Blasting fuse (fuse wire)	EA	17.25	1	0326	:Blasting fuse (fuse wire)
410.	Bitumen felt :Type 3 grade 1	M2	80.50	1	0322	:Bitumen felt :Type 3 grade 1
420.	Coal Tar	L	34.50	1	0324	:Coal Tar

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
430.	Blasting powder	KG	46.00	1	0325	:Blasting powder
450.	White face insulating board:12 mm thick	M2	270.25	1	0328	:White face insulating board:12 mm thick
460.	Natural colour board:12 mm thick	M2	241.50	1	0332	:Natural colour insulating board:12 mm thick
470.	Flame retardant face board: 12 mm thick	M2	368.00	1	0336	:Flame retardant face insulating board: 12 mm thick
480.	Retardant face fibre board 12 mm thick	M2	431.25	1	0339	:Flame retardant face insulating, Impregnated fibre board 12 mm thick
490.	Flat 3 layer board, G I :12 mm thick	M2	331.20	1	0341	:Flat pressed 3 layer particle board (medium density) Grade I :12 mm thick
500.	Veneered board-Teak one & comm. other	M2	264.50	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	178.25	1	0347	:Extra for veneered particle board with : Commercial veneering on both sides
520.	Veneered board: Teak veneering both	M2	575.00	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	23.00	1	0364	:Wire brush

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
580.	Coal (steam)	QTL	506.00	1	0370	:Coal (steam)
550.	Soft brush	EA	23.00	1	0365	:Soft brush
560.	Portland Cement	TO		1	0367	:Portland Cement
570.	White Cement	TO	12,880.00	1	0368	:White Cement
590.	Cramp Gun metal 25x6x300 mm	EA	92.00	1	0373	:Cramp Gun metal 25x6x300 mm
600.	Brass butt hinges : 125x70x4 mm	NO	891.25	10	0378	:Brass butt hinges (light/ordinary type) : 125x70x4 mm
610.	Brass butt hinges : 100x70x4 mm	NO	718.75	10	0379	:Brass butt hinges (light/ordinary type) : 100x70x4 mm
620.	Brass butt hinges : 75x40x2.5 mm	NO	437.00	10	0380	:Brass butt hinges (light/ordinary type) : 75x40x2.5 mm
630.	Brass butt hinges : 50x40x2.5 mm	NO	178.25	10	0381	:Brass butt hinges (light/ordinary type) : 50x40x2.5 mm
640.	Brass butt hinges:125x85x5.5 mm(.70)kg	NO	1,505.35	10	0382	:Brass butt hinges (heavy type) : 125x85x5.5 mm(.70)kg
650.	Brass butt hinges: 100x85x5.5 mm(.56)kg	NO	1,146.55	10	0383	:Brass butt hinges (heavy type) : 100x85x5.5 mm(.56)kg
660.	Brass butt hinges:75x65x4.0 mm(.20)kg	NO	963.70	10	0384	:Brass butt hinges (heavy type) :75x65x4.0 mm(.20)kg

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
670.	Brass hinges 150x125x27x5 mm	NO	3,001.50	10	0385	:Brass parliamentary hinges 150x125x27x5 mm
680.	Brass hinges 125x125x27x5 mm	NO	2,645.00	10	0386	:Brass parliamentary hinges 125x125x27x5 mm
720.	Brass single spring hinges 125 mm	EA	327.75	1	0390	:Brass single spring hinges 125 mm
690.	Brass hinges 100x125x27x5 mm	NO	2,403.50	10	0387	:Brass parliamentary hinges 100x125x27x5 mm
700.	Brass hinges75x100x20x3.2 mm	NO	2,150.50	10	0388	:Brass parliamentary hinges75x100x20x3.2 mm
710.	Brass single spring hinges 150 mm	EA	488.75	1	0389	:Brass single acting spring hinges 150 mm
730.	Brass single spring hinges 100 mm	EA	287.50	1	0391	:Brass single spring hinges 100 mm
740.	Brass double spring hinges 150 mm	EA	552.00	1	0392	:Brass double spring hinges 150 mm
750.	Brass double spring hinges 125 mm	EA	460.00	1	0393	:Brass double spring hinges 125 mm
760.	Brass double spring hinges 100 mm	EA	448.50	1	0394	:Brass double spring hinges 100 mm
770.	Brass tower bolt : 250x10 mm	EA	295.55	1	0400	:Brass tower bolt : 250x10 mm
780.	Brass tower bolt : 200x10 mm	EA	235.75	1	0401	:Brass tower bolt : 200x10 mm
790.	Brass tower bolt : 150x10 mm	EA	177.10	1	0402	:Brass tower bolt : 150x10 mm
800.	Brass tower bolt : 100x10 mm	EA	118.45	1	0403	:Brass tower bolt : 100x10 mm
810.	Brass flush bolt 250 mm	EA	172.50	1	0404	:Brass flush bolt 250 mm
820.	Brass flush bolt 150 mm	EA	149.50	1	0405	:Brass flush bolt 150 mm
860.	Brass handles75 mm with plate 125x32 mm	EA	118.45	1	0410	Brass handles75 mm with plate 125x32 mm
830.	Brass flush bolt 100 mm	EA	103.50	1	0406	:Brass flush bolt 100 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
840.	Brass handles 125 mm on plate 175x32 mm	EA	165.60	1	0408	:Brass handles 125 mm on plate 175x32 mm
850.	Brass handles 100 mm on plate 150x32 mm	EA	152.95	1	0409	Brass handles 100 mm on plate 150x32 mm
870.	Brass door latch 300x16x5 mm (0.380 kg)	EA	212.75	1	0411	Brass door latch 300x16x5 mm (0.380 kg)
880.	Brass door latch 250x16x5 mm (0.350 kg)	EA	201.25	1	0412	Brass door latch 250x16x5 mm (0.350 kg)
890.	Mortice latch & lock 100x65 mm with 6 L	EA	460.00	1	0413	Brass mortice latch and lock 100x65 mm with6 levers and a pair of brass lever handles
900.	Mortice latch 100x65mm with a pair	EA	356.50	1	0414	:Brass mortice latch 100x65mm with a pair of brass lever handles
910.	Brass 150 mm fl. door stopper(0.357kg)	EA	184.00	1	0417	Brass 150 mm floor door stopper (0.357kg)
920.	Brass hard drawn hooks and eyes 300 mm	NO	690.00	10	0418	:Brass hard drawn hooks and eyes 300 mm
930.	Brass hard drawn hooks and eyes 250 mm	NO	660.10	10	0419	:Brass hard drawn hooks and eyes 250 mm
940.	Brass hard drawn hooks and eyes 200 mm	NO	586.50	10	0420	:Brass hard drawn hooks and eyes 200 mm
950.	Brass hard drawn hooks and eyes 150 mm	NO	460.00	10	0421	:Brass hard drawn hooks and eyes 150 mm
990.	Brass casement stays not less 0.28 kg	EA	115.00	1	0425	:Brass casement stays (straight peg type) 250 mm weighing not less than 0.28 kg

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
960.	Brass hard drawn hooks and eyes 100 mm	NO	396.75	10	0422	:Brass hard drawn hooks and eyes 100 mm
970.	Brass casement window fastener	EA	51.75	1	0423	:Brass casement window fastener
980.	Brass casement stays 300 mm,<not 0.33kg	EA	144.90	1	0424	:Brass casement stays (straight peg type) 300 mm weighing not less than 0.33 kg
1000.	Brass casement stays not less 0.24 kg	EA	109.25	1	0426	:Brass casement stays (straight peg type) 200 mm weighing not less than 0.24 kg
1010.	Brass quadrant stays 300 mm	EA	126.50	1	0427	:Brass quadrant stays 300 mm
1020.	Brass fanlight catch	NO	195.50	10	0428	:Brass fanlight catch
1030.	Brass fanlight pivot	NO	193.20	10	0429	Brass fanlight pivot
1040.	Brass chain with hook, fan light catch	EA	41.40	1	0430	Brass chain with hook for fan light catch
1050.	Brass hasps and staples 300 mm	NO	851.00	10	0431	:Brass hasps and staples (safety type) 300 mm
1060.	Brass hasps and staples 115 mm	NO	770.50	10	0432	:Brass hasps and staples (safety type) 115 mm
1070.	Brass hasps and staples 90 mm	NO	661.25	10	0433	:Brass hasps and staples (safety type)90 mm
1080.	Brass Night latch	EA	701.50	1	0438	:Brass Night latch

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1090.	Brass helical spring 150 mm	EA	333.50	1	0442	:Brass helical spring 150 mm
1130.	Brass cupboard knob/ward robe knob 50mm	EA	41.40	1	0447	:Brass cupboard knob or ward robe knob 50 mm
1100.	Brass curtain rod 20 mm dia 1.25 mm th.	M	161.00	1	0444	:Brass curtain rod 20 mm dia 1.25 mm thick
1110.	Brass curtain rod 25 mm dia 1.25 mm th.	M	218.50	1	0445	:Brass curtain rod 25 mm dia 1.25 mm thick
1120.	Brass brackets (curtain rods) 20 mm	EA	51.75	1	0446	:Brass brackets (curtain rods) 20 mm
1140.	Brass screws 50 mm	NO	253.00	100	0449	:Brass screws 50 mm
1150.	Brass screws 40 mm	NO	195.50	100	0450	:Brass screws 40 mm
1160.	Brass screws 30 mm	NO	161.00	100	0451	:Brass screws 30 mm
1170.	Brass screws 25 mm	NO	115.00	100	0452	:Brass screws 25 mm
1180.	Brass screws 20 mm	NO	109.25	100	0453	:Brass screws 20 mm
1190.	Chromium plated Brass butt, 75x65x4.0mm	NO	1,040.75	10	0524	:Chromium plated Brass butt hinges (heavy) type 75x65x4 .0 mm (200gms)
1200.	Chromium plated Brass butt 125x70x4mm	NO	925.75	10	0525	:Chromium plated Brass butt hinges (light/ordinary) type 125x70x4 mm
1210.	Chromium plated Brass butt 100x70x4 mm	NO	793.50	10	0526	:Chromium plated Brass butt hinges (light/ordinary) type 100x70x4 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1220.	Chromium plated Brass butt 75x40x2.5mm	NO	484.15	10	0527	:Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 mm
1230.	Chromium plated Brass butt 50x40x2.5	NO	207.00	10	0528	:Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5
1250.	Chromium plated 100 mm with 150 x 32 mm	EA	161.00	1	0556	:Chromium plated Brass handles 100 mm with plate 150 x 32 mm
1240.	Chromium plated 125 mm with 175 x32 mm	EA	184.00	1	0555	:Chromium plated Brass handles 125 mm with plate 175 x32 mm
1260.	Chromium plated 75mm with 125x32 mm	EA	143.75	1	0557	:Chromium plated Brass handles 75mm with plate 125x32 mm
1270.	Chromium plated Brass mortice 100x65mm	EA	540.50	1	0558	:Chromium plated Brass mortice latch and lock 100x65 mm with6 levers and a pair of brass lever handles
1280.	Chromium plate casement window fastener	EA	103.50	1	0568	:Chromium plated brass casement window fastener
1290.	Chromium plate 300 mm not less 0.33 kg	EA	161.00	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	EA	138.00	1	0570	:Chromium plated Brass casement stays (straight peg type

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	0.28 kg					) 250 mm weighing not less than 0.28 kg
1310.	Chromium plate 200 mm not less 0.24 kg	EA	115.00	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	575.00	1	0583	:Chromium plated Brass Night latch
1330.	Chromium plated Brass Wardrobe 50 mm	EA	92.00	1	0584	:Chromium plated Brass Wardrobe Knob 50 mm
1340.	Chromium plated Brass screws 50 mm	NO	345.00	100	0585	:Chromium plated Brass screws 50 mm
1350.	Chromium plated Brass screws 40 mm	NO	333.50	100	0586	Chromium plated Brass screws 40 mm
1360.	Chromium plated Brass screws 30 mm	NO	276.00	100	0587	Chromium plated Brass screws 30 mm
1400.	Chromium, curtain rod 20 dia 1.25mm th.	M	299.00	1	0591	:Chromium plated Brass curtain rod 20 mm dia 1.25mm thick
1370.	Chromium plated Brass screws 25 mm	NO	207.00	100	0588	Chromium plated Brass screws 25 mm
1380.	Chromium plated Brass screws 20 mm	NO	184.00	1	0589	Chromium plated Brass screws 20 mm
1390.	Chromium, curtain rod 12 dia 1.25mm th.	M	212.75	1	0590	:Chromium plated Brass curtain rod 12 mm dia 1.25mm thick
1410.	Chromium, curtain rod 25 dia	M	391.00	1	0592	:Chromium plated Brass curtain rod 25 mm dia 1.25mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	1.25mm th.					thick
1420.	Bright finished, hinges 125x65x2.12 mm	NO	155.25	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	64.40	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	44.85	1	0608	:Nickel plated mild steel piano hinges 1 mm thick 35 mm wide
1470.	Bright finished, mild steel screws 50mm	NO	86.25	100	0635	:Bright finished or black enameled mild steel screws 50 mm
1480.	Bright finished,mild steel screws 40 mm	NO	69.00	100	0637	:Bright finished or black enameled mild steel screws 40 mm
1490.	Bright finished, mild steel screws 30mm	NO	51.75	100	0638	:Bright finished or black enameled mild steel screws 30 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1530.	Oxidised M.S. butt hinges 125x65x2.12mm	NO	143.75	10	0642	:Oxidised mild steel butt hinges 125x65x2.12 mm
1500.	Bright finished, mild steel screws 25mm	NO	46.00	100	0639	:Bright finished or black enameled mild steel screws 25 mm
1510.	Bright finished, mild steel screws 20mm	NO	40.25	100	0640	:Bright finished or black enameled mild steel screws 20 mm
1520.	Bright finished, M.S. bolts/nuts 50x6mm	EA	5.75	1	0641	:Bright finished or black enameled mild steel bolts and nuts 50x6 mm
1540.	Oxidised M.S. butt hinges100x58x1.90mm	NO	103.50	10	0643	:Oxidised mild steel butt hinges 100x58x1.90 mm
1550.	Oxidised M.S. butt hinges75x47x1.70mm	NO	74.75	10	0644	:Oxidised mild steel butt hinges75x47x1.70 mm
1560.	Oxidised M.S. butt hinges50x37x1.50 mm	NO	63.25	10	0645	:Oxidised mild steel butt hinges50x37x1.50 mm
1570.	Oxidised M.S., hinges150x125x27x2.8 mm	NO	385.25	10	0646	:Oxidised mild steel parliamentary hinges150x125x27x2.8 mm
1580.	Oxidised M.S., hinges 125x125x27x2.8 mm	NO	345.00	10	0647	:Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm
1590.	Oxidised, M.S. hinges 100x125x27x2.8 mm	NO	270.25	10	0648	:Oxidised mild steel parliamentary hinges 100x125x27x2.8 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1600.	Oxidised, M.S. hinges 75x100x20x2.24mm	NO	230.00	10	0649	:Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm
1610.	Oxidised M.S. single spring hinges150mm	EA	161.00	1	0650	:Oxidised mild steel single acting spring hinges 150 mm
1620.	Oxidised M.S. single spring hinges125mm	EA	138.00	1	0651	:Oxidised mild steel single acting spring hinges 125 mm
1660.	Oxidised M.S. double spring hinges100mm	EA	138.00	1	0655	:Oxidised mild steel double acting spring hinges 100 mm
1630.	Oxidised M.S. single spring hinges100mm	EA	115.00	1	0652	:Oxidised mild steel single acting spring hinges 100 mm
1640.	Oxidised M.S. double spring hinges150mm	EA	184.00	1	0653	:Oxidised mild steel double acting spring hinges 150 mm
1650.	Oxidised M.S. double spring hinges125mm	EA	161.00	1	0654	:Oxidised mild steel double acting spring hinges 125 mm
1670.	Nickel plate M.S. hinges 1 th. 35 mm w.	M	46.00	1	0656	:Nickel plated mild steel piano hinges 1 mm thick 35 mm wide
1680.	Oxidised M.S. sliding door bolt300x16mm	EA	103.50	1	0660	:Oxidised mild steel sliding door bolt 300x16 mm
1690.	Oxidised M.S. sliding D. bolt 250x16mm	EA	92.00	1	0661	:Oxidised mild steel sliding door bolt 250x16 mm
1700.	Oxidised M.S. door latch 300x20x6 mm	EA	56.35	1	0662	:Oxidised mild steel door latch 300x20x6 mm
1710.	Oxidised M.S. door latch 250x20x6 mm	EA	44.85	1	0663	:Oxidised mild steel door latch 250x20x6 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1720.	Oxidised mild steel tower bolt 250x10mm	EA	49.45	1	0664	:Oxidised mild steel tower bolt (barrel type) 250x10 mm
1730.	Oxidised mild steel tower bolt 200x10mm	EA	39.10	1	0665	:Oxidised mild steel tower bolt (barrel type) 200x10 mm
1740.	Oxidised mild steel tower bolt 150x10mm	EA	33.35	1	0666	:Oxidised mild steel tower bolt (barrel type) 150x10 mm
1750.	Oxidised mild steel tower bolt 100x10mm	EA	23.00	1	0667	:Oxidised mild steel tower bolt (barrel type) 100x10 mm
1790.	Oxidised M.S. hasps and staples 150mm	NO	147.20	10	0679	:Oxidised mild steel hasps and staples(safety type) 150 mm
1760.	Oxidised mild steel handles 125 mm	EA	23.00	1	0668	:Oxidised mild steel handles 125 mm
1770.	Oxidised mild steel handles 100 mm	EA	17.25	1	0669	Oxidised mild steel handles 100 mm
1780.	Oxidised mild steel handles75 mm	EA	13.80	1	0670	Oxidised mild steel handles75 mm
1800.	Oxidised M.S. hasps and staples 115 mm	NO	124.20	10	0680	:Oxidised mild steel hasps and staples(safety type) 115 mm
1810.	Oxidised M.S. hasps and staples 90 mm	NO	90.85	10	0681	:Oxidised mild steel hasps and staples(safety type)90 mm
1820.	Oxidised mild steel screws 50 mm	NO	87.40	100	0682	:Oxidised mild steel screws 50 mm
1830.	Oxidised mild steel screws 40 mm	NO	71.30	100	0683	Oxidised mild steel screws 40 mm
1840.	Oxidised mild steel screws 30 mm	NO	56.35	100	0684	Oxidised mild steel screws 30 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1850.	Oxidised mild steel screws 25 mm	NO	41.40	100	0685	Oxidised mild steel screws 25 mm
1860.	Oxidised mild steel screws 20 mm	NO	36.80	100	0686	Oxidised mild steel screws 20 mm
1870.	Anodised Aluminium hinges 125x75x4 mm	NO	644.00	10	0687	:Anodised Aluminium butt hinges 125x75x4 mm
1880.	Anodised Aluminium hinges 125x63x4 mm	NO	451.95	10	0688	:Anodised Aluminium butt hinges 125x63x4 mm
1920.	Anodised Aluminium hinges 75x63x4 mm	NO	316.25	10	0692	:Anodised Aluminium butt hinges 75x63x4 mm
1890.	Anodised Aluminium hinges 100x75x4 mm	NO	451.95	10	0689	:Anodised Aluminium butt hinges 100x75x4 mm
1900.	Anodised Aluminium hinges 100x63x3.2 mm	NO	310.50	10	0690	:Anodised Aluminium butt hinges 100x63x3.2 mm
1910.	Anodised Aluminium hinges 100x63x4 mm	NO	372.60	10	0691	:Anodised Aluminium butt hinges 100x63x4 mm
1930.	Anodised Aluminium hinges 75x63x3.2 mm	NO	259.90	10	0693	:Anodised Aluminium butt hinges 75x63x3.2 mm
1940.	Anodised Aluminium hinges 75x45x3.2 mm	NO	225.40	10	0694	:Anodised Aluminium butt hinges 75x45x3.2 mm
1950.	Anodised Aluminium s. door bolt300x16mm	EA	169.05	1	0696	:Anodised Aluminium sliding door bolt 300x16 mm
1960.	Anodised Aluminium s. door bolt250x16mm	EA	147.20	1	0697	:Anodised Aluminium sliding door bolt 250x16 mm
1970.	Anodised Aluminium tower bolt 300x10mm	NO	667.00	10	0698	:Anodised Aluminium tower bolt (barrel type)300x10 mm
1980.	Anodised Aluminium tower bolt	NO	553.15	10	0699	:Anodised Aluminium tower bolt (barrel type)250x10 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	250x10 mm					
1990.	Anodised Aluminium tower bolt 200x10 mm	NO	440.45	10	0700	:Anodised Aluminium tower bolt (barrel type)200x10 mm
2000.	Anodised Aluminium tower bolt 150x10 mm	NO	349.60	10	0701	:Anodised Aluminium tower bolt (barrel type)150x10 mm
2010.	Anodised Aluminium tower bolt 100x10 mm	NO	259.90	10	0702	:Anodised Aluminium tower bolt (barrel type)100x10 mm
2050.	Anodised Aluminium kicking p. 50 cm L.	EA	163.30	1	0706	:Anodised Aluminium kicking plate 50 cm long100x3.15 mm
2020.	Anodised Aluminium, with plate 175x32mm	NO	372.60	10	0703	:Anodised Aluminium handles 125 mm with plate 175 x 32 mm
2030.	Anodised Aluminium, with plate 150x32mm	NO	316.25	10	0704	:Anodised Aluminium handles 100 mm with plate 150 x 32 mm
2040.	Anodised Aluminium, with plate 125x32mm	NO	265.65	10	0705	:Anodised Aluminium handles 75mm with plate 125 x 32 mm
2060.	Block boad with teak wood ply 35 mm th.	M2	2,070.00	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	1,840.00	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	M2	1,610.00	1	0715	:Block board construction flush door with teak wood ply on

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	th.					both faces 25 mm thick
2090.	Block B. with comm. ply 35 mm thick	M2	1,150.00	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	1,035.00	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	1,023.50	1	0719	:Block board construction flush door with commercial ply on both faces 25 mm thick
2120.	Block B.construction flush door lipping	M2	345.00	1	0752	:Block board construction flush door lipping (Rate :Sqm of door area)
2130.	Square vision panel flush door	M2	149.50	1	0753	:Square vision panel in Block board construction flush door (Rate :Sqm of door area)
2140.	Circular vision panel flush door	M2	155.25	1	0754	:Circular vision panel in Block board construction flush door
2180.	Fuel wood	QTL	575.00	1	0761	
2150.	Decorative type Louvers flush door	M2	304.75	1	0755	:Decorative type Louvers in Block board construction flush door (Rate :Sqm of door area)
2160.	Rebate cutting, Block board flush door	M2	80.50	1	0757	:Rebate cutting in Block board construction flush door (Rate :Sqm of door area)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2170.	Decorative plywood 4 mm	M2	368.00	1	0759	:
2190.	Glue	KG	86.25	1	0763	
2200.	Hessian cloth	M2	40.25	1	0765	
2210.	Cement Concrete Jali 50 mm thick	M2	460.00	1	0768	
2220.	Cement Concrete Jali 40 mm thick	M2	402.50	1	0769	
2230.	Cement Concrete Jali 25 mm thick	M2	316.25	1	0770	
2240.	Kerosene oil	L	57.50	1	0771	
2250.	Unslaked lime	QTL	345.00	1	0773	
2260.	Dehradun white lime	QTL	690.00	1	0775	
2270.	Satna lime	QTL	425.50	1	0776	
2280.	Dry hydrated lime (factory made)	QTL	333.50	1	0777	
2320.	Moorum	M3	575.00	1	0810	
2290.	Marble dust/ powder	M3	1,299.50	1	0784	
2300.	Marble chips up to 4mm, White & black	QTL	217.35	1	0785	:Marble chips up to 4mm and downsize White & black
2310.	Marble chips large 4 mm White & black	QTL	287.50	1	0788	:Marble chips large size above 4 mm White & black
2330.	Mud (dry)	M3	189.75	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	230.00	1	0818	
2370.	Cement primer	L		1	0820	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2380.	Distemper primer	L		1	0821	
2390.	Pink primer (for wood)	L		1	0823	
2400.	Aluminium paint	L	172.50	1	0826	
2410.	Acid proof paint (chocolate or black)	L	258.75	1	0827	
2420.	Anticorrosive bituminous paint (black)	L	115.00	1	0828	
2460.	Synthetic enamel paint in black	L	201.25	1	0833	:Synthetic enamel paint in black or chocolate shade
2430.	Black Japan	L	103.50	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
2470.	Synthetic enamel paint, except black	L	189.75	1	0834	:Synthetic enamel paint in all shades except black or chocolate shade
2480.	Plastic emulsion paint	L		1	0835	
2490.	Roofing paint for iron sheets in red col	L	138.00	1	0845	:Roofing paint for iron sheets in red colour
2500.	White lead	KG	195.50	1	0850	
2510.	Water proofing cement paint	KG	43.70	1	0851	
2520.	Wax polish (ready made)	KG	264.50	1	0855	
2530.	Ordinary varnish	L	115.00	1	0856	
2540.	Superior copal varnish	L	132.25	1	0857	
2550.	Superior spar varnish	L	132.25	1	0858	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2560.	Oil type wood preservative	L	149.50	1	0859	
2600.	Plaster of Paris	KG	5.75	1	0869	
2570.	Putty for wood work	KG	32.20	1	0863	
2580.	Pig lead	KG	149.50	1	0865	
2590.	Premixed super white gypsum plaster.	KG	6.90	1	0868	
2610.	Plug	EA	11.50	1	0870	
2620.	Copper pins 6 mm dia 7.5 cm long	EA	11.50	1	0873	
2630.	Black colour dark shade pigment	KG	80.50	1	0874	
2640.	Red, chocolate, etc. light shade pigment	KG	69.00	1	0875	:Red, chocolate, orange, buff or yellow (red oxide of iron) light shade pigment
2650.	Green or blue medium shade pigment	KG	64.40	1	0876	
2660.	Std. bat clamp cast iron pipes 150mm dia	EA	51.75	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	327.75	1	0966	
2680.	Copper plate	KG	606.05	1	0967	
2690.	Pulley 25 mm dia	EA	55.20	1	0969	
2700.	Rolling shutter 80x1.25 mm	M2	1,610.00	1	0973	:Rolling shutter made of 80x1.25 mm machine rolled laths
2740.	Extra mechanical exceeding 10sqm ofdoor	M2	920.00	1	0977	:Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						10.00 sq.m and up to 16.80 sq.m area of door
2710.	Top cover for rolling shutters	M	920.00	1	0974	
2720.	27.5 cm grade 2 for rolling shutters	EA	345.00	1	0975	:27.5 cm long wire spring grade no 2 for rolling shutters
2730.	Ball bearing for rolling shutters	EA	299.00	1	0976	
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	46.00	1	0979	
2770.	Royalty for sludge	M3	103.50	1	0980	
2780.	Coarse sand (zone III)	M3	1,264.84	1	0982	
2790.	Fine sand (zone IV)	M3	1,264.84	1	0983	
2800.	Galvanised steel plain sheets	QTL	5,750.00	1	0992	
2810.	Std. qlty hard board sheet 3 mm thick	M2	155.25	1	0994	:Standard quality hard board sheet 3 mm thick
2820.	Std. qlty hard board sheet 4.5 mm thick	M2	241.50	1	0996	:Standard quality hard board sheet 4.5 mm thick
2830.	Shellac	KG	345.00	1	0999	
2840.	Spirit	L	55.20	1	1000	
2880.	Avr. rate Mild steel round bars .	QTL	5,577.50	1	1004	:Average rate of Mild steel round bars for reinforcements
2850.	Spun yarn	KG	57.50	1	1001	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
2860.	Mild steel round bar 12 mm dia & below	QTL	5,577.50	1	1002	
2870.	Mild steel round bar above 12 mm dia	QTL	5,462.50	1	1003	
2890.	Twisted steel / deformed bars	QTL	5,635.00	1	1005	
2900.	Mild steel square bars	QTL	5,577.50	1	1006	
2910.	Structural steel channels & R.S joists	QTL	5,692.50	1	1007	:Structural steel such as tees, angles channels and R.S. joists
2920.	Flats up to 10 mm in thickness	QTL	5,577.50	1	1008	
2930.	Flats exceeding 10 mm in thickness	QTL	5,692.50	1	1009	
2940.	Mild steel plates	QTL	6,210.00	1	1010	
2950.	Mild steel sheets for tanks	QTL	5,577.50	1	1013	
2960.	M.S. expanded metal 20x60 mm strands	M2	322.00	1	1015	:Mild steel expanded metal 20x60 mm strands
2970.	Mild steel hooks	EA	36.80	1	1019	
2980.	Mild steel rivets	QTL	5,865.00	1	1020	
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
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	NO	138.00	10	1023	

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					
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 length	QTL	5,980.00	1	1034	
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	
3160.	Through and bond stone	NO	5,750.00	100	1154	
3130.	Aluminium Plain Strip edging 38x12x3 mm	M	103.50	1	1145	
3140.	Glass strip 4 mm thick40 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	92.00	10	1160	
3210.	White sand stone block	DM3	235.75	10	1161	
3220.	White sand stone slab 75 mm thick (un-dr	M2	920.00	1	1163	:White sand stone slab 75 mm thick (un-dressed)
3230.	Red sand stone slab 40 mm thick (un-dres	M2	264.50	1	1164	:Red sand stone slab 40 mm thick (un-dressed)
3240.	White sand stone slab 40 mm thick	M2	287.50	1	1165	:White sand stone slab 40 mm thick (un-dressed)
3250.	Red sand stone slab 30 mm thick	M2	253.00	1	1166	:Red sand stone slab 30 mm thick (un-dressed)
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)
3300.	Stone grit 6 mm & down size/pea gravel	M3		1	1177	:Stone grit 6 mm and down size or pea sized gravel
3270.	Kota stone slab 25mm thick	M2	287.50	1	1169	:Kota stone slab 25mm thick (rough chiseled)
3280.	Red sand stone slab 45 mm & 50 mm thick	M2	299.00	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	322.00	1	1175	:White sand stone slab 45 mm and 50 mm thick (un-dressed)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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, Balarshah 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	
3430.	Precast terrazzo tiles 22 mm thick	M2	304.75	1	1202	:Precast terrazzo tiles 22 mm thick(medium shade)
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	327.75	1	1201	:Precast terrazzo tiles 22 mm thick (light shade)
3440.	Precast terrazzo tiles 22 mm thick	M2	281.75	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	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	40.25	1	1213	
3510.	Welding by gas plant	CM	2.30	1	1214	
3520.	Welding by electric plant	CM	2.30	1	1215	
3530.	Whiting	QTL	690.00	1	1216	
3570.	M.S. sheets bolts & nuts, rest pintel	EA	138.00	1	1222	:Mild steel sheets with bolts and nuts to rest on pintels
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	
3580.	Hard drawn steel wire	QTL	5,520.00	1	1224	
3590.	Mild steel flat strap fitting	QTL	4,738.00	1	1225	
3600.	Chequered terrazzo tiles light shade	M2	316.25	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	299.00	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	93.00	1	1235	

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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
3710.	Surface box for sluice valve	EA	241.50	1	1305	
3680.	Commercial LPG in cylinder.	KG	96.60	1	1241	
3690.	Bleaching powder	QTL	2,070.00	1	1301	
3700.	Surface box for stop cock	EA	143.75	1	1304	
3720.	Surface box for water meter	EA	287.50	1	1307	
3730.	C.I. bracket for wash basin and sinks	PAA	101.20	1	1309	
3740.	C.P.brass chain 32 mm dia rubber plug	EA	46.00	1	1314	:C.P.brass chain with 32 mm dia rubber plug
3750.	C.P.brass chain 40 mm dia rubber plug	EA	46.00	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	34.50	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	31.05	1	1332	:M.S.Holder bat clamp of approved design for75 mm S.C.I. pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3790.	Clamps and M.S. stays 50 mm pipe	EA	40.25	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	42.55	1	1335	:Clamps and M.S. stays including bolts and nuts for 75 mm pipe
3810.	Clearing eye with chain & lid 100mm dia	EA	50.60	1	1336	:Clearing eye with chain and lid 100 mm dia
3850.	Brass stop-cock 15 mm dia	EA	241.50	1	1342	
3820.	Clearing eye with chain & lid 150mm dia	EA	57.50	1	1337	:Clearing eye with chain and lid 150 mm dia
3830.	Brass bib-cock 15 mm dia	EA	241.50	1	1339	
3840.	Brass bib-cock 20 mm dia	EA	258.75	1	1340	
3860.	Brass stop-cock 20 mm dia	EA	258.75	1	1343	
3870.	Mosquito proof coupling design	EA	34.50	1	1350	:Mosquito proof coupling of approved design
3880.	C.I. cover and frame 300x300 mm inside	EA	552.00	1	1352	
3890.	C.I.cover without frame 300x300mm	EA	548.55	1	1353	:C.I.cover without frame 300x300mm inside i/c cover of 4.50 kg
3900.	Rectangular cover 455x610 mm with frame	EA	1,610.00	1	1354	:Rectangular cover 455x610 mm with frame (low duty)
3910.	Rectangular cover 455x610mm out frame	EA	1,046.50	1	1355	:Rectangular cover 455x610mm without frame (low duty)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	
3990.	C.I. grating 150x150 mm	EA	63.25	1	1366	
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	
4000.	C.I. grating 180x180 mm	EA	74.75	1	1367	
4010.	S.C.I. gully /nahani grating 100 mm dia	EA	28.75	1	1369	
4020.	Rubber insertions 80mm dia pipe joints	EA	18.40	1	1373	:Rubber insertions for80 mm dia pipe joints
4030.	Rubber insertions 100mm dia pipe joints	EA	20.70	1	1374	:Rubber insertions for 100 mm dia pipe joints
4040.	Rubber insertions 1250mm dia pipe joints	EA	23.00	1	1375	:Rubber insertions for 125 mm dia pipe joints
4050.	Rubber insertions 150mm dia pipe joints	EA	23.00	1	1376	:Rubber insertions for 150 mm dia pipe joints
4060.	Rubber insertions 200mm dia pipe joints	EA	28.75	1	1377	:Rubber insertions for 200 mm dia pipe joints
4070.	Rubber insertions 250mm dia pipe	EA	46.00	1	1378	:Rubber insertions for 250 mm dia pipe joints

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	joints					
4080.	Rubber insertions 300mm dia pipe joints	EA	51.75	1	1379	:Rubber insertions for 300 mm dia pipe joints
4120.	Rubber insertions 500mm dia pipe joints	EA	126.50	1	1383	:Rubber insertions for 500 mm dia pipe joints
4090.	Rubber insertions 350mm dia pipe joints	EA	57.50	1	1380	:Rubber insertions for 350 mm dia pipe joints
4100.	Rubber insertions 400mm dia pipe joints	EA	83.95	1	1381	:Rubber insertions for 400 mm dia pipe joints
4110.	Rubber insertions 450mm dia pipe joints	EA	105.80	1	1382	:Rubber insertions for 450 mm dia pipe joints
4130.	Rubber insertions 600mm dia pipe joints	EA	143.75	1	1384	:Rubber insertions for 600 mm dia pipe joints
4140.	Mirror of superior make glass 60x45 cm	EA	517.50	1	1392	
4150.	Vitreous china pedestal for wash basin	EA	1,092.50	1	1396	
4160.	Pig lead	KG	241.50	1	1397	
4170.	S & S.C.I.std. spl.up to 300 mm dia	QTL	4,370.00	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	4,370.00	1	1466	:S & S.C.I.standard specials over 300 mm dia (heavy class)
4190.	Flanged C.I. std. spl up to 300 mm	QTL	6,555.00	1	1468	:Flanged C.I. standard specials up to 300 mm dia(heavy

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					class)
4200.	Flanged C.I. std. spls over 300 mm dia	QTL	6,037.50	1	1470	:Flanged C.I. standard specials over 300 mm dia(heavy class)
4210.	Casing pipe 100 mm dia	M	391.00	1	1472	
4250.	Flush pipe clamps C.P.brass four stall	EA	701.50	1	1535	:Flush pipe with union spreaders and clamps all in C.P. brass for range of four stall
4220.	F.pipe u. spr. & clp.C.P. b. sgle stall	EA	356.50	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	488.75	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	603.75	1	1534	:Flush pipe with union spreaders and clamps all in C.P. brass for range of three stall
4260.	Flush pipe & spreaders G.I.for single	EA	218.50	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	316.25	1	1541	:Flush pipe and spreaders G.I.for range of two squatting plates urinal
4280.	Flush pipe & spreaders G.I. three sqtt.	EA	356.50	1	1542	:Flush pipe and spreaders G.I.for range of three squatting plates urinal each

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
4290.	Flush pipe&spreader G.I.for four sqtt.	EA	517.50	1	1543	:Flush pipe and spreaders G.I.for range of four squatting plates urinal
4300.	G.I. pipes 15 mm dia	M	109.25	1	1545	
4310.	G.I. pipes 20 mm dia	M	149.50	1	1546	
4320.	G.I. pipes 25 mm dia	M	225.40	1	1547	
4330.	G.I. pipes 32 mm dia	M	258.75	1	1548	
4340.	G.I. pipes 40 mm dia	M	333.50	1	1549	
4350.	G.I. pipes 50 mm dia	M	414.00	1	1550	
4390.	G.I. back (jam) nuts65 mm dia	EA	28.75	1	1559	
4360.	G.I. pipes 65 mm dia	M	477.25	1	1551	
4370.	G.I. pipes 80 mm dia	M	603.75	1	1552	
4380.	G.I. back (jam) nuts25 mm dia	EA	20.70	1	1555	
4400.	G.I. tees (equal) 25 mm	EA	74.75	1	1608	
4410.	G.I. tees (equal) 65 mm	EA	519.80	1	1612	
4420.	G.I. inlet connection	EA	80.50	1	1614	
4430.	S.C.I. soil, waste and vent :75mm dia	EA	1,207.50	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	1,305.25	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	2,012.50	1	1618	:S.C.I. soil, waste and vent single socketed pipe1.80

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						metres long: each
4460.	S.C.I. plain bend75mm dia	EA	241.50	1	1620	
4470.	S.C.I. plain bend 100mm dia	EA	296.70	1	1621	
4480.	S.C.I. plain bend 150mm dia	EA	546.25	1	1622	
4490.	S.C.I. bend with access door 75mm dia	EA	333.50	1	1624	
4530.	S.C.I. junctions75x75x75 mm dia	EA	448.50	1	1630	:S.C.I. single equal junctions75x75x75 mm dia with access door.
4500.	S.C.I. bend with access door 100mm dia	EA	402.50	1	1625	
4510.	S.C.I. plain junctions75x75x75 mm dia	EA	362.25	1	1627	:S.C.I. plain single equal junctions75x75x75 mm dia
4520.	S.C.I. plain junctions100x100x100 mmdia	EA	465.75	1	1628	:S.C.I. plain single equal junctions100x100x100 mm dia
4540.	S.C.I. junctions 100x100x100 mm dia	EA	523.25	1	1631	:S.C.I. single equal junctions 100x100x100 mm dia with access door.
4550.	S.C.I. plain double equal junctions	EA	471.50	1	1633	:S.C.I. plain double equal junctions 75x75x75x75 mm dia
4560.	S.C.I. junctions100x100x100x100 mm dia	EA	707.25	1	1634	:S.C.I. plain double equal junctions100x100x100x100 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
4570.	S.C.I. D.E. junctions75x75x75x75 mm dia	EA	603.75	1	1636	:S.C.I. double equal junctions75x75x75x75 mm dia with access door.
4580.	S.C.I. D.E. junction 100x100x100x100 mm	EA	839.50	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	304.75	1	1640	:Slotted cowl (terminal guard) 100 mm dia
4610.	G.I. Union 15 mm nominal bore	EA	40.25	1	1641	
4620.	G.I. Union 20 mm nominal bore	EA	63.25	1	1642	
4660.	G.I. Union 50 mm nominal bore	EA	356.50	1	1646	
4630.	G.I. Union 25 mm nominal bore	EA	132.25	1	1643	
4640.	G.I. Union 32 mm nominal bore	EA	166.75	1	1644	
4650.	G.I. Union 40 mm nominal bore	EA	264.50	1	1645	
4670.	G.I. Union 65 mm nominal bore	EA	603.75	1	1647	
4680.	G.I. Union 80mm nominal bore	EA	661.25	1	1648	
4690.	Polyethylene water storage tank with C.	L	7.02	1	1649	:Polyethylene water storage tank with cover and suitable locking arrangement
4700.	Sand cast iron,100x100x75 mm dia	EA	603.75	1	1653	:Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia
4710.	Sand cast iron: 100x100x75 mm	EA	661.25	1	1656	:Sand cast iron S&S single unequal junctions:

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					100x100x75 mm dia with access door.
4720.	Sand cast iron : 100x100x75x75 mm dia	EA	718.75	1	1659	:Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia
4730.	Sand cast iron 100x100x75x75 mm dia	EA	833.75	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	345.00	1	1666	
4750.	Sand cast iron heel rest bend 100mm dia	EA	408.25	1	1667	
4790.	S.C.I. double equal invert branch of req	EA	632.50	1	1673	:S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia
4760.	S.C.I. invert branch75x75x75 mm dia	EA	402.50	1	1669	:S.C.I. single equal invert branch of required degree75x75x75 mm dia
4770.	S.C.I. single equal invert branch of req	EA	500.25	1	1670	:S.C.I. single equal invert branch of required degree 100x100x100 mm dia
4780.	S.C.I. double equal invert branch of	EA	488.75	1	1672	:S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia
4800.	S.C.I. single unequal invert branch	EA	575.00	1	1674	:S.C.I. single unequal invert branch of required degree100x100x75 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
4810.	S.C.I. double unequal invert branch	EA	690.00	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	327.75	1	1682	
4830.	S.C.I. door pieces 100 mm dia	EA	557.75	1	1683	
4840.	S.C.I. collar 75 mm dia	EA	207.00	1	1685	
4850.	S.C.I. collar 100 mm dia	EA	310.50	1	1686	
4860.	Unplasticised P.V.C. connection pipe wit	EA	34.50	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	40.25	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	40.25	1	1689	:Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore
4920.	R.C.C. pipes NP2 class 150 mm dia	M	253.00	1	1701	
4890.	Unplasticised P.V.C. connection pipe wit	EA	55.20	1	1690	:Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore
4900.	S.C.I. hand pump	EA	805.00	1	1693	
4910.	R.C.C. pipes NP2 class 100 mm dia	M	241.50	1	1700	
4930.	R.C.C. pipes NP2 class 250 mm dia	M	419.75	1	1702	
4940.	R.C.C. pipes NP2 class 300 mm dia	M	517.50	1	1703	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
4950.	R.C.C. pipes NP2 class 450 mm dia	M	891.25	1	1704	
4960.	R.C.C. pipes NP2 class 500 mm dia	M	1,092.50	1	1705	
4970.	R.C.C. pipes NP2 class 600 mm dia	M	1,322.50	1	1706	
4980.	R.C.C. pipes NP2 class 700 mm dia	M	1,725.00	1	1707	
4990.	R.C.C. pipes NP2 class 800 mm dia	M	2,098.75	1	1709	
5000.	R.C.C. pipes NP2 class 900 mm dia	M	2,932.50	1	1710	
5010.	R.C.C. pipes NP2 class 1000 mm dia	M	3,392.50	1	1711	
5020.	R.C.C. pipes NP2 class 1100 mm dia	M	3,737.50	1	1712	
5060.	R.C.C. collarsNP2 class 250 mm dia	EA	63.25	1	1716	
5030.	R.C.C. pipes NP2 class 1200 mm dia	M	4,111.25	1	1713	
5040.	R.C.C. collarsNP2 class 100 mm dia	EA	40.25	1	1714	
5050.	R.C.C. collarsNP2 class 150 mm dia	EA	42.55	1	1715	
5070.	R.C.C. collarsNP2 class 300 mm dia	EA	64.40	1	1717	
5080.	R.C.C. collarsNP2 class 450 mm dia	EA	126.50	1	1718	
5090.	R.C.C. collarsNP2 class 500 mm dia	EA	138.00	1	1719	
5100.	R.C.C. collarsNP2 class 600 mm	EA	166.75	1	1720	

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					
5110.	R.C.C. collarsNP2 class 700 mm dia	EA	184.00	1	1721	
5120.	R.C.C. collarsNP2 class 800 mm dia	EA	258.75	1	1723	
5130.	R.C.C. collarsNP2 class 900 mm dia	EA	276.00	1	1724	
5140.	R.C.C. collarsNP2 class 1000 mm dia	EA	339.25	1	1725	
5150.	R.C.C. collarsNP2 class 1100 mm dia	EA	362.25	1	1726	
5190.	Stoneware pipes grade A 200 mm dia	EA	230.00	1	1856	:Stoneware pipes grade A (60 cm long) 200 mm dia
5160.	R.C.C. collarsNP2 class 1200 mm dia	EA	431.25	1	1727	
5170.	Stoneware pipes grade A 100 mm dia	EA	80.50	1	1854	:Stoneware pipes grade A (60 cm long) 100 mm dia
5180.	Stoneware pipes grade A 150 mm dia	EA	143.75	1	1855	:Stoneware pipes grade A (60 cm long) 150 mm dia
5200.	Stoneware pipes grade A 230 mm dia	EA	345.00	1	1857	:Stoneware pipes grade A (60 cm long) 230 mm dia
5210.	Stoneware pipes grade A 250 mm dia	EA	402.50	1	1858	:Stoneware pipes grade A (60 cm long) 250 mm dia
5220.	Stoneware pipes grade A 300 mm dia	EA	603.75	1	1859	:Stoneware pipes grade A (60 cm long) 300 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5230.	Fire clay kitchen sink: 600x450x250 mm	EA	1,495.00	1	1863	:
5240.	White vitreous china sink450x300x150 mm	EA	1,725.00	1	1871	:White vitreous china laboratory sink450x300x150 mm
5250.	White vitreous china sink600x450x200 mm	EA	2,875.00	1	1872	:White vitreous china laboratory sink600x450x200 mm
5260.	White plastic seat lid C.P.brass hingees	EA	471.50	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	373.75	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	126.50	1	1878	:Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia
5320.	15 mm C.P.brass tap	EA	310.50	1	1885	
5290.	Shower rose C.P.brass inlet 150 mm dia	EA	143.75	1	1879	:Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia
5300.	Spun yarn	KG	63.25	1	1881	
5310.	Strainer brass 40 mm dia 1.5 metre long	EA	718.75	1	1882	
5330.	C.P.brass toilet paper holder std. size	EA	322.00	1	1889	:C.P.brass toilet paper holder of standard size
5340.	C.I. trap for standard urinal:50mm dia	EA	218.50	1	1891	:C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass: 50 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5350.	C.I. trap for tandard urinal: 80mm dia	EA	258.75	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	362.25	1	1895	
5370.	100 mm S.C.I. trap with vent heel	EA	373.75	1	1896	
5380.	100 mm S.C.I. trap 100 mm outlet	EA	345.00	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	253.00	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	132.25	1	1900	
5410.	S.W. gully trap P type 150x100 mm	EA	178.25	1	1902	
5420.	S.W. gully trap P type 180x150 mm	EA	264.50	1	1904	
5460.	H.P. / L.P. ball valve : 20 mm dia	EA	276.00	1	1923	:H.P. or L.P. ball valve with polythene floats: 20 mm dia
5430.	Vitreous china lipped front urinal	EA	540.50	1	1913	
5440.	Vitreous china squatting plate urinal	EA	1,210.95	1	1915	
5450.	H.P./L.P. ball valve : 15 mm dia	EA	247.25	1	1922	:H.P. or L.P. ball valve with polythene floats: 15 mm dia
5470.	H.P. / L.P. ball valve : 25 mm dia	EA	264.50	1	1924	:H.P. or L.P. ball valve with polythene floats: 25 mm dia
5480.	Brass full way valve C.I wheel 25mm dia	EA	431.25	1	1927	:Brass full way valve with C.I. wheel (screwed end) 25 mm dia
5490.	Brass full way valve C.I wheel 32mm dia	EA	477.25	1	1928	:Brass full way valve with C.I. wheel (screwed end) 32 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5500.	Brass full way valve C.I wheel 40mm dia	EA	575.00	1	1929	:Brass full way valve with C.I. wheel (screwed end) 40 mm dia
5510.	Brass full way valve C.I wheel 50mm dia	EA	718.75	1	1930	:Brass full way valve with C.I. wheel (screwed end) 50 mm dia
5520.	Brass full way valve C.I.wheel 65mm dia	EA	1,242.00	1	1931	:Brass full way valve with C.I. wheel (screwed end) 65 mm dia
5530.	Brass full way valve C.I wheel 80mm dia	EA	1,868.75	1	1932	:Brass full way valve with C.I. wheel (screwed end) 80 mm dia
5540.	Gunmetal non-return valve 25mm dia	EA	402.50	1	1933	:Gunmetal non-return valve-horizontal (screwed end) 25 mm dia
5550.	Gunmetal non-return valve 32 mm dia	EA	546.25	1	1934	:Gunmetal non-return valve-horizontal (screwed end) 32 mm dia
5590.	Gunmetal non-return valve 80 mm dia	EA	2,645.00	1	1938	:Gunmetal non-return valve-horizontal (screwed end) 80 mm dia
5560.	Gunmetal non-return valve 40 mm dia	EA	661.25	1	1935	:Gunmetal non-return valve-horizontal (screwed end) 40 mm dia
5570.	Gunmetal non-return valve 50 mm	EA	966.00	1	1936	:Gunmetal non-return valve-horizontal (screwed end) 50

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					mm dia
5580.	Gunmetal non-return valve 65 mm dia	EA	1,753.75	1	1937	:Gunmetal non-return valve-horizontal (screwed end) 65 mm dia
5600.	C.I.sluice valve class I : 100 mm dia	EA	2,817.50	1	1940	:C.I.sluice valve (with caps) class I : 100 mm dia
5610.	C.I.sluice valve class I : 125 mm dia	EA	3,001.50	1	1941	:C.I.sluice valve (with caps) class I : 125 mm dia
5620.	C.I.sluice valve class I : 150 mm dia	EA	4,197.50	1	1942	:C.I.sluice valve (with caps) class I : 150 mm dia
5630.	C.I.sluice valve class I : 200 mm dia	EA	8,740.00	1	1943	:C.I.sluice valve (with caps) class I : 200 mm dia
5640.	C.I.sluice valve class I : 250 mm dia	EA	12,627.00	1	1944	:C.I.sluice valve (with caps) class I : 250 mm dia
5650.	C.I.sluice valve class I : 300 mm dia	EA	17,825.00	1	1945	:C.I.sluice valve (with caps) class I : 300 mm dia
5660.	Vitreous china flat basin 630x450 mm	EA	833.75	1	1947	:Vitreous china flat back wash basin 630x450 mm
5670.	Vitreous china angle basin 600x480 mm	EA	833.75	1	1949	:Vitreous china angle back wash basin 600x480 mm
5680.	Vitreous china angle basin 400x400 mm	EA	488.75	1	1950	:Vitreous china angle back wash basin 400x400 mm
5720.	Vitreous china orrisa type pan 580 mm	EA	1,483.50	1	1954	:Vitreous china orrisa type w.c. pan size 580 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5690.	C.P. brass waste 32 mm	EA	97.75	1	1951	:C.P. brass waste 32 mm
5700.	C.P. brass waste 40 mm	EA	115.00	1	1952	:C.P. brass waste 40 mm
5710.	Vitreous china Indian type pan, 580 mm	EA	546.25	1	1953	:Vitreous china Indian type w.c. pan size 580 mm
5730.	Vitreous china pedestal water closet	EA	1,178.75	1	1955	:Vitreous china pedestal type water closet
5740.	Bolts and nuts 16 mm dia 60 mm long	EA	13.23	1	1956	:Bolts and nuts 16 mm dia 60 mm long
5750.	Bolts and nuts 16 mm dia 65 mm long	EA	14.95	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	20.13	1	1959	:Bolts and nuts 20 mm dia 70 mm long
5780.	Bolts and nuts 20 mm dia 75 mm long	EA	19.55	1	1960	:Bolts and nuts 20 mm dia 75 mm long
5790.	Bolts and nuts 20 mm dia 80 mm long	EA	19.55	1	1961	:Bolts and nuts 20 mm dia 80 mm long
5800.	Bolts and nuts 24 mm dia 85 mm long	EA	31.05	1	1962	:Bolts and nuts 24 mm dia 85 mm long
5810.	Bolts and nuts 24 mm dia 90 mm long	EA	35.65	1	1963	:Bolts and nuts 24 mm dia 90 mm long
5850.	Fly ash	M3	12.65	1	1980	:Fly ash

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5820.	Bolts and nuts 27 mm dia 100 mm long	EA	42.55	1	1964	:Bolts and nuts 27 mm dia 100 mm long
5830.	White vitreous china dual closet	EA	2,875.00	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	118.45	1	1970	:Vitreous china foot rests 250x125x25 mm
5860.	F.P.S. bricks tile class degn. 100	NO		1	1984	:F.P.S. bricks tile class designation 100
5870.	Modular bricks class designation75	NO		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
5900.	Float glass sheet t= 4mm, not 10kg/sqm	M2	355.35	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	592.25	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	351.90	1	2412	:Ply wood 5 ply with commercial ply on both faces 6 mm thick

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
5930.	Hollock ballies 125 mm diameter	M	41.40	1	2447	:Hollock ballies 125 mm diameter
5940.	Oxidised mild steel pull bolt lock	EA	71.30	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	65.55	1	2451	:Brass cupboard lock 6 levers (best make of approved quality) 40 mm size
5990.	Brass hanging type door stopper 150 mm	EA	88.55	1	2455	:Brass hanging type door stopper 150 mm
5960.	Brass cupboard lock 6 levers 50mm size	EA	101.20	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	106.95	1	2453	:Brass cupboard lock 6 levers (best make of approved quality) 65 mm size
5980.	Brass cupboard lock 6 levers 75mm	EA	124.20	1	2454	:Brass cupboard lock 6 levers (best make of approved quality) 75 mm each size
6000.	Hydraulic door closer bottle M.S. body	EA	788.90	1	2456	:Hydraulic door closer bottle type M.S. body with necessary accessories and screws complete
6010.	Anodised Aluminium hanging door stopper	EA	23.00	1	2459	:Anodised Aluminium hanging type door stopper

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
6020.	Anodised Aluminium pull bolt lock	EA	55.20	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	37.95	1	2465	:Anodised Aluminium Casement stay 250 mm
6040.	Hollock wood in scantling	DM3	410.55	10	2466	:Hollock wood in scantling
6050.	Chromium plated Brass pull bolt lock	EA	197.80	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	72.45	1	2468	:Nickeled Chromium Brass cupboard lock 40 mm size
6070.	Nickeled Chromium Brass 50 mm size	EA	83.95	1	2469	:Nickeled Chromium Brass cupboard lock 50 mm size
6080.	Nickeled Chromium Brass 65 mm size	EA	113.85	1	2470	:Nickeled Chromium Brass cupboard lock 65 mm size
6120.	Ply wood 7 ply 9 mm thick	M2	1,161.50	1	2483	:Ply wood 7 ply with teak ply on one face and commercial ply on another face 9 mm thick
6090.	Nickeled Chromium Brass 75 mm size	EA	143.75	1	2471	:Nickeled Chromium Brass cupboard lock 75 mm size
6100.	Ply wood 5 ply with teak ply 9 mm thick	M2	1,016.60	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	1,040.75	1	2481	:Ply wood 5 ply with teak ply on one face and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						commercial ply on another face 9 mm thick
6130.	Extra planks second class deodar wood	DM3	129.95	10	2500	:Extra for selected planks of second class deodar wood
6140.	Kiln seasoning of timber	M3	887.80	1	2504	:Kiln seasoning of timber
6150.	Hollock wood in planks	DM3	462.30	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	276.00	1	2704	:Aluminium Strip 40 mm wide and 2 mm thick
6190.	White marble makrana for crazy flooring	QTL	184.00	1	2710	:White marble makrana second quality plain veined stone pieces for crazy flooring
6200.	8 mm thick granite stone tiles	M2	793.50	1	2750	:8 mm thick granite stone tiles (mirror polished of all shades)
6210.	8 mm thick marble tiles Raj Nagar	M2	460.00	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
6260.	Over burnt Brick Aggregate: 120 -40mm	M3		1	2908	:Over burnt (Jhama) Brick Aggregate: 120 mm to 40 mm size

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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
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/screenings10/11.2 mm	M3		1	2911	:Stone chippings/ screenings 10/ 11.2 mm nominal size
6300.	Solvent	KG	34.50	1	2914	:Solvent
6310.	Paving Asphalt 80/100 penetration	TO	28,175.00	1	2916	:Paving Asphalt 80/100 penetration
6320.	Polyvinyl chloride sheet 400 micron th.	M2	51.75	1	3002	:Polyvinyl chloride sheet 400 micron thick
6330.	Stone ware spouts 100 mm dia 60 cm long	EA	51.75	1	3004	:Stone ware spouts 100 mm dia 60 cm long
6340.	Galvanised steel corrugated sheets	QTL	6,900.00	1	3050	:Galvanised steel corrugated sheets
6350.	Gunmetal non-return valve- 25mm	EA	460.00	1	3080	:Gunmetal non-return valve-horizontal (screwed end) 25

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					mm dia
6360.	Gunmetal non-return valve 32mm dia	EA	632.50	1	3084	:Gunmetal non-return valve-horizontal (screwed end) 32 mm dia
6400.	Vitreous china Surgeon basin 660x460mm	EA	1,265.00	1	3213	:Vitreous china Surgeon type wash basin of size 660x460 mm
6370.	Gunmetal non-return valve 40 mm dia	EA	862.50	1	3088	:Gunmetal non-return valve-horizontal (screwed end) 40 mm dia
6380.	Gunmetal non-return valve 50 mm dia	EA	1,092.50	1	3092	:Gunmetal non-return valve-horizontal (screwed end) 50 mm dia
6390.	Gunmetal non-return valve 65 mm dia	EA	1,782.50	1	3096	:Gunmetal non-return valve-horizontal (screwed end) 65 mm dia
6410.	600x120mm glass shelf alum. angle frame	EA	345.00	1	3228	:600x120 mm glass shelf with anodised aluminium angle frame, C.P. brass brackets and guard rail of standard size
6420.	Vitreous china flat basin 550x400 mm	EA	632.50	1	3229	:Vitreous china flat back wash basin 550x400 mm
6430.	Gunmetal non-return valve 80 mm dia	EA	2,990.00	1	3300	:Gunmetal non-return valve-horizontal (screwed end) 80 mm dia
6440.	C.I.sluice valve class II : 100 mm	EA	3,105.00	1	3311	:C.I.sluice valve (with caps) class II : 100 mm dia

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					
6450.	C.I.sluice valve class II : 125 mm dia	EA	3,795.00	1	3314	:C.I.sluice valve (with caps) class II : 125 mm dia
6460.	C.I.sluice valve class II : 150 mm dia	EA	4,715.00	1	3317	:C.I.sluice valve (with caps) class II : 150 mm dia
6470.	C.I.sluice valve class II : 200 mm dia	EA	10,235.00	1	3320	:C.I.sluice valve (with caps) class II : 200 mm dia
6480.	C.I.sluice valve class II : 250 mm dia	EA	17,250.00	1	3321	:C.I.sluice valve (with caps) class II : 250 mm dia
6490.	C.I.sluice valve class II : 300 mm dia	EA	21,275.00	1	3326	:C.I.sluice valve (with caps) class II : 300 mm dia
6530.	S.C.I. S&S bends, access door100mm dia	EA	460.00	1	3624	:S.C.I. S&S bends with access door100mm dia
6500.	CP Brass Union 40 mm dia	EA	241.50	1	3617	:CP Brass Union 40 mm dia
6510.	C.C.I. waste & vent pipe:100mm dia	EA	1,345.50	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	1,322.50	1	3621	:C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long:75mm dia
6540.	S.C.I. S&S bends, access door75mm dia	EA	345.00	1	3625	:S.C.I. S&S bends with access door75mm dia
6550.	S.C.I. S&S bend100mm dia	EA	345.00	1	3628	:S.C.I. S&S bend100mm dia

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6560.	S.C.I. S&S bend75mm dia	EA	230.00	1	3629	:S.C.I. S&S bend75mm dia
6570.	S.C.I. S&S heel rest sanitary 100mm dia	EA	345.00	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	322.00	1	3635	:S.C.I. S&S heel rest sanitary bend 75mm dia
6590.	S.C.I. S&S junctions100x100x100 mm	EA	575.00	1	3640	:S.C.I. S&S single equal junctions100x100x100 mm
6600.	S.C.I. S&S junctions75x75x75 mm	EA	402.50	1	3641	:S.C.I. S&S single equal junctions75x75x75 mm
6610.	S.C.I. S&S junctions door 100x100x100mm	EA	575.00	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	448.50	1	3645	:S.C.I. S&S single equal junctions with access door 75x75x75 mm
6660.	S.C.I. S&S junctions door75x75x75x75mm	EA	575.00	1	3655	:S.C.I. S&S double equal junctions with access door 75x75x75x75 mm.
6630.	S.C.I. S&S junctions100x100x100x100 mm	EA	724.50	1	3650	:S.C.I. S&S double equal junctions100x100x100x100 mm
6640.	S.C.I. S&S junctions75x75x75x75 mm	EA	540.50	1	3651	:S.C.I. S&S double equal junctions75x75x75x75 mm
6650.	S.C.I. S&S junctions 100x100x100x100mm.	EA	724.50	1	3654	:S.C.I. S&S double equal junctions with access door 100x100x100x100 mm.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
6670.	S.C.I. S&S junctions 100x100x75mm	EA	690.00	1	3660	:S.C.I. S&S single unequal junctions100x100x75 mm
6680.	S.C.I. S&S junctions door 100x100x75mm	EA	747.50	1	3664	:S.C.I. S&S single unequal junctions with access door 100x100x75 mm
6690.	S.C.I. S&S junctions100x100x75x75mm	EA	920.00	1	3670	:S.C.I. S&S double unequal junctions100x100x75x75 mm
6700.	S.C.I. S&S 100x100x75x75 mm	EA	1,035.00	1	3674	:S.C.I. S&S 100x100x75x75 mm
6710.	S.C.I. S&S degree 100x100x100mm dia	EA	494.50	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	379.50	1	3682	:S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia
6730.	S.C.I. S&S degree100x100x100x100mm dia	EA	621.00	1	3685	:S.C.I. S&S double equal invert branch of required degree100x100x100x100 mm dia
6740.	S.C.I. S&S degree 75x75x75x75mm dia	EA	517.50	1	3686	:S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia
6750.	S.C.I.S&S single degree100x100x75mm dia	EA	632.50	1	3690	:S.C.I. S&S single unequal invert branch of required degree100x100x75 mm dia
6790.	S.C.I. S&S, 150mm offset 100mm dia pipe	EA	460.00	1	3708	:S.C.I. S&S, 150 mm offset for100 mm dia pipe

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6760.	S.C.I. S&S degree100x100x75mm dia	EA	839.50	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	264.50	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	345.00	1	3707	:S.C.I. S&S, 150 mm offset for75 mm dia pipe
6800.	S.C.I. S&S, 114 mm offset 75mm dia pipe	EA	356.50	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	448.50	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	414.00	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	529.00	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	471.50	1	3728	:S.C.I. S&S door pieces 100 mm dia
6850.	S.C.I. S&S door pieces 75 mm dia	EA	345.00	1	3729	:S.C.I. S&S door pieces 75 mm dia
6860.	S.C.I. S&S, Slotted Cowl 100 mm	EA	345.00	1	3733	:S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm
6870.	S.C.I. S&S, Slotted Cowl 75 mm	EA	241.50	1	3734	:S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm
6880.	C.C.I.(spun)S&S, collars 100 mm	EA	345.00	1	3738	:C.C.I.(spun)S&S, collars 100 mm

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6920.	Vitreous china toilet paper holder of st	EA	126.50	1	3749	:Vitreous china toilet paper holder of standard size
6890.	C.C.I.(spun)S&S, collars 75 mm	EA	207.00	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	253.00	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	414.00	1	3747	:S.C.I. S&S, 76 mm offset for100 mm dia pipe
6930.	560 mm dia cover with frame	EA	10,465.00	1	3860	:560 mm dia cover with frame (Heavy duty)
6940.	560 mm dia cover without frame	EA	5,865.00	1	3861	:560 mm dia cover without frame (Heavy duty)
6950.	Pressed steel door frames Profile "B"	M	230.00	1	4006	:Pressed steel door frames (mild steel sheet 1.25mm) Profile "B"
6960.	Pressed steel door frames Profile "C"	M	253.00	1	4007	:Pressed steel door frames (mild steel sheet 1.25mm) Profile "C"
6970.	Pressed steel door frames Profile "E"	M	287.50	1	4008	:Pressed steel door frames (mild steel sheet 1.25mm) Profile "E"
6980.	M.S. tubes hot finished welded type	KG	69.00	1	4009	:Mild steel tubes hot finished welded type
6990.	M.S. tubes hot finished seamless type	KG	80.50	1	4010	:Mild steel tubes hot finished seamless type
7000.	M.S. tubes electric resistant welded	KG	57.50	1	4011	:Mild steel tubes electric resistant or induction butt welded

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7010.	Circular C.I. Box for ceiling fan	EA	63.25	1	4012	:Circular C.I. Box for ceiling fan
7050.	Red oxide Zinc chromate primer	L	138.00	1	4202	:Red oxide Zinc chromate primer
7020.	Pulley 40 mm dia	EA	40.25	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	138.00	1	4201	:Aluminium primer
7060.	Copper acetate	KG	345.00	1	4203	:Copper acetate
7070.	Hydrochloric acid	KG	40.25	1	4204	:Hydrochloric acid
7080.	Copper chloride	KG	345.00	1	4205	:Copper chloride
7090.	Copper nitrate	KG	241.50	1	4206	:Copper nitrate
7100.	Ammonium chloride	KG	25.30	1	4207	:Ammonium chloride
7110.	Mobil oil	L	365.70	1	5001	:Mobil oil
7120.	White marble slab Makrana 2nd	M2	1,667.50	1	6001	:White marble slab Makrana second quality plain veined

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	quality					18 mm thick
7130.	Pink marble slab plain 18mm thick	M2	787.75	1	6007	:Pink marble slab plain 18mm thick
7140.	Udaypur green marble slab 18mm thick	M2	713.00	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
7190.	Vitreous china flat basin 450x300mm	EA	322.00	1	7004	:Vitreous china flat back wash basin 450x300 mm
7160.	Sand zone V (Jamuna)	M3	1,495.00	1	6501	:Sand zone V (Jamuna)
7170.	Brass 100mm mortice latch&lock 6 levs.	EA	224.25	1	7001	:Brass 100mm mortice latch and lock with6 levers without pair of handles
7180.	Pair lever 100mm mortice latch & lock	EA	247.25	1	7003	:Pair of Anodised Aluminium lever handles for 100mm mortice latch and lock
7200.	Vitreous china 10 lts not fitt. cistern	EA	805.00	1	7005	:Vitreous china 10 litres low level cistern without fittings
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	161.00	1	7009	:Gypsum board

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7240.	Ceiling sections	M	52.90	1	7010	:Ceiling sections
7250.	Perimeter channel	M	25.30	1	7011	:Perimeter channel
7260.	Intermediate channel	M	43.70	1	7012	:Intermediate channel
7270.	Ceiling angle	M	13.80	1	7013	:Ceiling angle
7280.	Connecting clips	EA	4.60	1	7014	:Connecting clips
7290.	Soffit cleat	EA	3.45	1	7015	:Soffit cleat
7330.	Dash fastener/Chemical Fastener	EA	14.38	1	7019	:Dash fastener/Chemical Fastener
7300.	Joint filler	KG	27.60	1	7016	:Joint filler
7310.	Joint finisher	KG	24.15	1	7017	:Joint finisher
7320.	Joint tape roll	RL	103.50	1	7018	:Joint tape roll
7340.	All drive screws (for gypsum board)	NO	66.70	100	7020	:All drive screws (for gypsum board)
7350.	Primer (for gypsum board)	L	80.50	1	7021	:Primer (for gypsum board)
7360.	Chlorpyriphos & Lindane 20% E.C.	L	172.50	1	7022	:Chlorpyriphos 20% E.C. / Lindane 20% E.C.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7370.	Chromium plated brackets	EA	9.20	1	7023	:Chromium plated brackets (curtain rods)
7380.	Acid Proof cement	TO	8,970.00	1	7024	:Acid Proof cement
7390.	M.S. Butt hinges 125x90x4 mm	NO	120.75	10	7027	:M.S. Butt hinges 125x90x4 mm
7400.	Gal. v. wire meshdia. of wire 0.63mm	M2	287.50	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 th.ness 4mm	M2	483.00	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	82.80	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
7450.	Oxidised mild steel screws 35 mm	NO	55.20	100	7040	:Oxidised mild steel screws 35 mm
7440.	Nickel plated curtain rod 25 mm	EA	9.20	1	7036	:Nickel plated M.S. Brackets for curtain rod 25 mm
7460.	Mild steel conduit pipe ISI-20 mm dia.	M	48.30	1	7042	:Mild steel conduit pipe (heavy type) ISI marked-20 mm dia.
7470.	Mild steel conduit pipe ISI-25 mm dia.	M	62.10	1	7043	:Mild steel conduit pipe (heavy type) ISI marked-25 mm dia.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7480.	Rolling shutters of 80x0.90 mm laths	M2	1,495.00	1	7044	:Rolling shutters of 80x0.90 mm laths
7490.	Rolling shutters of 80x1.2 mm laths	M2	1,581.25	1	7045	:Rolling shutters of 80x1.2 mm laths
7500.	Top cover of Rolling shutter 0.90mm th.	M	517.50	1	7046	:Top cover of Rolling shutters 0.90 mm thick
7510.	Top cover Rolling shutter 1.20mm th.	M	644.00	1	7047	:Top cover of Rolling shutters 1.20 mm thick
7520.	Rawl plug 50 mm (designation 10 no.)	EA	25.30	1	7048	:Rawl plug 50 mm (designation 10 no.)
7530.	Teak wood lipping 25x3 mm in pelmets	M	13.80	1	7049	:Teak wood lipping of size 25x3 mm in pelmets
7540.	Flat pressed 3 layer & graded board	M2	494.50	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	115.00	1	7056	:Aluminium tee channel (heavy duty) with rollers and stop end
7560.	Aluminium hang door twin rubber/stopper	EA	46.00	1	7059	:Aluminium hanging floor door stopper with twin rubber & stopper
7600.	Oxidised M.S. stay not less than 0.24kg	EA	28.75	1	7065	:Oxidised M.S.casement stay (straight peg type) 200 mm not less than 0.24 kg

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7570.	Hydraulic door closer Aluminium body	EA	644.00	1	7060	:Hydraulic door closer tubular type Aluminium section body
7580.	Oxidised M.S. stay not less than 0.33kg	EA	40.25	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	34.50	1	7064	:Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg
7610.	Extra shutters with 8 mm dia M.S. rod	M2	575.00	1	7068	:Extra for providing grilled rolling shutters with 8 mm dia M.S. rod
7620.	Chequered precast concrete tile 22mm th	M2	425.50	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	632.50	1	7071	:White marble Raj Nagar plain 20 mm thick (slab area 0.10 sqm to 0.20 sqm)
7640.	Acid and alkali rest tiles 300x300mm	NO	575.00	10	7077	:Acid and alkali resistant tiles 300x300 mm size, 10 mm thick
7650.	S.C.I. Tee 150 mm	EA	655.50	1	7087	:S.C.I. Tee 150 mm
7660.	Expanded polystyrene type N-Normal	M2	138.00	1	7090	:Expanded polystyrene type N- Normal

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
7670.	Expanded polystyrene type - SE	M2	161.00	1	7091	:Expanded polystyrene type - SE
7680.	Stainless steel k. sink - depth 250 mm.	EA	3,450.00	1	7095	:Stainless steel kitchen sink - with drain board bowl depth 250 mm.
7690.	Stainless steel k. sink-depth 225 mm.	EA	4,025.00	1	7096	:Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 225 mm.
7730.	Stainless steel k. sink-depth 200mm.	EA	1,725.00	1	7102	:Stainless steel kitchen sink - without drain board 610x460mm bowl depth 200 mm.
7700.	Stainless steel k. sink-depth 200mm.	EA	3,680.00	1	7097	:Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 200 mm.
7710.	Stainless steel k. sink-178 mm	EA	3,450.00	1	7098	:Stainless steel kitchen sink - with drain board 510x1040mm bowl depth 178 mm
7720.	Stainless steel k. sink-depth 200mm	EA	2,530.00	1	7101	:Stainless steel kitchen sink - without drain board 610x510mm bowl depth 200 mm
7740.	Stainless steel k. sink-depth 178mm	EA	1,380.00	1	7103	:Stainless steel kitchen sink - without drain board 470x420mm bowl depth 178 mm
7750.	Coloured Orissa pattern pan 580x440 mm	EA	1,840.00	1	7104	:Coloured Orissa pattern W.C. pan 580x440 mm
7760.	Coloured Pedestal pan 580x440	EA	977.50	1	7105	:Coloured Pedestal type W.C. pan 580x440 mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	mm(E)					(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	402.50	1	7107	:Coloured (other than black) solid P.V.C. seat in European W.C. pan
7790.	Circular shape 450 mm dia frame	EA	460.00	1	7112	:Circular shape 450 mm dia Mirror with Plastic moulded frame
7800.	R. 453x357mm Plastic moulded frame	EA	333.50	1	7113	:Rectangular shape 453x357 mm Mirror with Plastic moulded frame
7810.	Oval 450x350mm moulded frame	EA	333.50	1	7114	:Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame
7820.	R. 1500x450 mm Mirror moulded frame	EA	770.50	1	7115	:Rectangular shape 1500x450 mm Mirror with Plastic moulded frame
7860.	Flexible PVC for sink basin 32mm dia	EA	40.25	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
7830.	Hard board 6 mm thick	M2	132.25	1	7116	:Hard board 6 mm thick
7840.	Semi Rigid PVC sink & basin 32	EA	28.75	1	7117	:Semi Rigid PVC waste pipe for sink and wash basin 32

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	mm					mm dia with length not less than 700 mm i/c PVC waste fittings
7850.	Semi Rigid PVC sink & basin 40mm dia	EA	37.95	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
7870.	Flexible PVC pipe sink&basin 40mm dia	EA	40.25	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	632.50	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	805.00	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	1,322.50	1	7127	:Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern with all fittings
7910.	S.W. intercepting trap 100 mm dia	EA	212.75	1	7128	:S.W. intercepting trap 100 mm dia
7920.	S.W. intercepting trap 150 mm dia	EA	276.00	1	7129	:S.W. intercepting trap 150 mm dia
7930.	R. 600x450 mm R.C.C. manhole	EA	776.25	1	7130	:Rectangular shape 600x450 mm precast R.C.C. manhole

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	L.D. - 25					cover with frame - L.D. - 25
7940.	S. 350x350 mm R.C.C. manhole - L.D. - 25	EA	661.25	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	661.25	1	7132	:Circular shape 450 mm dia precast R.C.C. manhole cover with frame -LD. -25
7990.	C.560mm dia R.C.C. manhole -E.H.D.-35	EA	1,345.50	1	7136	:Circular shape 560 mm dia precast R.C.C. manhole cover with frame -E.H.D.-35
7960.	Rect. 500x500 mm R.C.C. manhole M.D.-10	EA	770.50	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	661.25	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	1,012.00	1	7135	:Circular shape 560 mm dia precast R.C.C. manhole cover with frame -H.D. -35
8000.	Factory 12mm thick plain type-I	M2	1,863.00	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 .

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8010.	Factory 12mm thick shutter both sides	M2	1,978.00	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	2,196.50	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	1,863.00	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
8040.	Factory 35mm thick shutters dia 0.63 mm	M2	1,863.00	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	M2	1,644.50	1	7155	:Factory made 30 mm thick shutters with laminated

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	0.63mm					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	805.00	10	7157	:Laminated manufactured in factory in frames of doors, windows
8070.	C.I. pile shoe	KG	55.20	1	7181	:C.I. pile shoe
8080.	M.S. clamps for pile shoe	KG	49.45	1	7182	:M.S. clamps for pile shoe
8120.	UPVC pipes Single socket pipe 75mm dia.	M	80.50	1	7188	:U-PVC pipes (working pressure 4 kg / cm2) Single socketed pipe 75 mm dia.
8090.	Bentonite	TO	3,220.00	1	7183	:Bentonite
8100.	Oxidised M.S. safety chain, for door	EA	65.55	1	7184	:Oxidised M.S. safety chain (weighing not less than 450 gms) for door
8110.	C.I. grating 150 mm dia.	EA	31.05	1	7187	:C.I. grating 150 mm dia. (Weighing not less than 440 gm)
8130.	UPVC pipes Single socket pipe 110mm dia.	M	149.50	1	7189	:U-PVC pipes (working pressure 4 kg / cm2) Single socketed pipe 110 mm dia.
8140.	U-PVC pipes Rubber Ring 75 mm	M	9.20	1	7190	:U-PVC pipes (working pressure 4 kg / cm2) Rubber

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia.					(Seal) Ring 75 mm dia.
8150.	U-PVC pipes Rubber Ring 110 mm dia.	M	12.65	1	7191	:U-PVC pipes (working pressure 4 kg / cm2) Rubber (Seal) Ring 110 mm dia.
8160.	UPVC coupler drainage pipes 75 mm	EA	20.70	1	7192	:UPVC coupler for UPVC drainage pipes 75 mm
8170.	UPVC coupler drainage pipes 110 mm	EA	44.85	1	7193	:UPVC coupler for UPVC drainage pipes 110 mm
8180.	UPVC pushfit coupler 75 mm thick	EA	20.70	1	7194	:UPVC pushfit coupler (single) 75 mm thick
8220.	UPVC single equal Tee 75x75x75 mm	EA	67.85	1	7198	:UPVC single equal Tee (with door) 75x75x75 mm
8190.	UPVC pushfit coupler 110 mm thick	EA	36.80	1	7195	:UPVC pushfit coupler (single) 110 mm thick
8200.	UPVC single equal Tee 75x75x75 mm	EA	52.90	1	7196	:UPVC single equal Tee (with door) 75x75x75 mm
8210.	UPVC single equal Tee 110x110x110 mm	EA	93.15	1	7197	:UPVC single equal Tee (with door) 110x110x110 mm
8230.	UPVC single equal Tee 110x110x110 mm	EA	105.80	1	7199	:UPVC single equal Tee (with door) 110x110x110 mm
8240.	UPVC bend 87.5o 75 mm bend	EA	40.25	1	7208	:UPVC bend 87.5o 75 mm bend
8250.	UPVC bend 87.5o 110 mm bend	EA	67.85	1	7209	:UPVC bend 87.5o 110 mm bend

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8260.	UPVC plain shoe 75 mm bend	EA	31.05	1	7212	:UPVC plain shoe 75 mm bend
8270.	UPVC plain shoe 110 mm bend	EA	54.05	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	16.10	1	7215	:UPVC pipe clip 110 mm bend
8300.	Resin Bonded Glass wool 16 kg/m³	M2	103.50	1	7231	:Resin Bonded Glass wool 16 kg/m³ 50 mm thick
8310.	Resin Bonded Glass wool 24 kg/m³	M2	149.50	1	7232	:Resin Bonded Glass wool 24 kg/m³ 50 mm thick
8320.	Fibre glass reinforcement T- II, G-I	M2	86.25	1	7233	:Fibre glass tissue reinforcement Type II Grade I
8360.	Fire retardant paint	L	276.00	1	7240	:Fire retardant paint
8330.	Precast chequered tiles 22 mm th.	M2	258.75	1	7236	:Precast chequered cement tiles 22 mm thick Dark shade using ordinary cement
8340.	Precast chequered tiles 22mm th.	M2	385.25	1	7237	:Precast chequered cement tiles 22 mm thick medium shade using 50% white cement, 50% ordinary cement
8350.	Epoxy paint	L	247.25	1	7239	:Epoxy paint
8370.	Melamine polish	L	345.00	1	7241	:Melamine polish

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8380.	Table rubbed polished Agaria Marble	M2	1,725.00	1	7244	:Table rubbed polished stone 18 mm thick (75x50cm) Agaria Marble stone - 18 mm thick
8390.	Table rubbed polished Granite stone-18mm	M2	2,070.00	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 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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
8490.	Road marking paint (spirit based)	L	132.25	1	7255	:Road marking paint (spirit based)
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	41.40	1	7254	:Hardening compound
8500.	Superior quality road marking paint	L	149.50	1	7256	:Superior quality road marking paint
8510.	C.P. Brass bibcock 15 mm	EA	345.00	1	7257	:C.P. Brass bibcock 15 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8520.	C.P. Brass long nose bibcock 15 mm	EA	575.00	1	7258	:C.P. Brass long nose bibcock 15 mm
8530.	C.P. Brass long body bibcock 15 mm	EA	575.00	1	7259	:C.P. Brass long body bibcock 15 mm
8540.	C.P. Brass stop cock (concealed) 15 mm	EA	483.00	1	7260	:C.P. Brass stop cock (concealed) 15 mm
8550.	C.P. Brass angle valve 15 mm	EA	402.50	1	7261	:C.P. Brass angle valve 15 mm
8560.	Pressed clay tiles	NO	9,200.00	1,000	7266	:Pressed clay tiles
8570.	Plain ceiling tiles (600x600x12 mm)	EA	120.75	1	7267	:Plain ceiling tiles (BWP type phenol formaldehyde synthetic resin bonded) (600x600x12 mm)
8580.	Semi perforated ceiling 600x600x12mm	EA	115.00	1	7268	:Semi perforated ceiling tiles (600x600x12 mm)
8590.	25 mm thick particle board	M2	500.25	1	7269	:25 mm thick particle board
8630.	Granite Black marble above 0.2-0.5 sqm	M2	2,070.00	1	7295	:Granite Black marble, 18 mm thick slab, above 0.2 sqm up to 0.5 sqm (areawise)
8600.	30mm th. Prelaminate flush door shutter	M2	989.00	1	7270	:30 mm thick prelaminated flush door shutter
8610.	2nd class teak wood lipping 25x12mm th.	M	32.20	1	7271	:IInd class teak wood lipping 25 mm wide x 12 mm thick
8620.	25 mm thick melamine three layer board	M2	1,035.00	1	7272	:25 mm thick melamine faced prelaminated three layer particle board

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8640.	Granite Black marble above 1.0-2.0 sqm	M2	1,150.00	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	218.50	1	7306	:Aluminium T or L sections
8660.	For flush door shutters teak veneering	M2	350.75	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	43,872.50	1	7309	:Paving Asphalt 60/70 penetration
8680.	Expandable plastic screws 25mm long	EA	11.50	1	7312	:Expandable fastener with plastic sleeve and M.S. screws. 25 mm long
8690.	Expandable plastic screws 32mm long	EA	11.50	1	7313	:Expandable fastener with plastic sleeve and M.S. screws. 32 mm long
8700.	Expandable plastic screws 40mm long	EA	14.95	1	7314	:Expandable fastener with plastic sleeve and M.S. screws. 40 mm long
8710.	Expandable plastic screws 50mm long	EA	16.10	1	7315	:Expandable fastener with plastic sleeve and M.S. screws. 50 mm long
8720.	Plasticizer / super plasticizer	KG	33.35	1	7318	:Plasticizer / super plasticizer
8760.	Tie bolt 20 mm dia 150 mm length	EA	65.55	1	7322	:Tie bolt 20 mm dia 150 mm length

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8730.	Wall form panel 1250x500 mm	EA	989.00	1	7319	:Wall form panel 1250x500 mm
8740.	Tie bolt 12 mm dia 100 mm length	EA	43.70	1	7320	:Tie bolt 12 mm dia 100 mm length
8750.	Tie bolt 12 mm dia 150 mm length	EA	55.20	1	7321	:Tie bolt 12 mm dia 150 mm length
8770.	Tie bolt 20 mm dia 225 mm length	EA	77.05	1	7323	:Tie bolt 20 mm dia 225 mm length
8780.	Spring coil 12 mm	EA	17.25	1	7324	:Spring coil 12 mm
8790.	Plastic cone 12 mm dia	EA	17.25	1	7325	:Plastic cone 12 mm dia
8800.	Corner angle 45x45x5 mm 1.50 m long	EA	276.00	1	7326	:Corner angle 45x45x5 mm 1.50 m long
8810.	100 mm channel shoulder 2.5 m long	EA	1,046.50	1	7327	:100 mm channel shoulder 2.5 m long
8820.	Double clip (bridge clip)	EA	87.40	1	7328	:Double clip (bridge clip)
8830.	Single clip	EA	67.85	1	7329	:Single clip
8840.	M.S. tube 40 mm dia	M	247.25	1	7330	:M.S. tube 40 mm dia
8850.	Wall form panel 1250x450 mm	EA	989.00	1	7331	:Wall form panel 1250x450 mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8860.	Corner angle 45x45x5 m 2.50 m long	EA	293.25	1	7332	:Corner angle 45x45x5 m 2.50 m long
8900.	Gun metal cramp	KG	362.25	1	7338	:Gun metal cramp
8870.	Column clamp 450x1070 m	EA	1,109.75	1	7333	:Column clamp 450x1070 m
8880.	Prop 2 m (2-3.5m)	EA	730.25	1	7334	:Prop 2 m (2-3.5m)
8890.	Binding wire	KG	52.90	1	7335	:Binding wire
8910.	Stainless steel cramp	KG	333.50	1	7339	:Stainless steel cramp
8920.	Stainless steel pin .	KG	209.30	1	7340	:Stainless steel pin .
8930.	Adjustable span ESO+SI (2.35-3.40)	EA	1,702.00	1	7342	:Adjustable span ESO+SI (2.35-3.40)
8940.	Adjustable telescopic 3 m (2.02-3.75 m)	EA	1,098.25	1	7343	:Adjustable telescopic prop 3 m (2.02-3.75 m)
8950.	Beam clamp 300-380 mm (450-1070 mm)	SET	408.25	1	7344	:Beam clamp 300-380 mm (450-1070 mm)
8960.	Prop 4 m	EA	1,046.50	1	7345	:Prop 4 m
8970.	Double coupler	EA	52.90	1	7346	:Double coupler

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
8980.	Cadmium plated steel screws 30x4mm dia	NO	31.05	100	7347	:Cadmium plated full threaded steel screws (30x4 mm dia.)
8990.	Aluminium washer 2 mm thick 15 mm dia	NO	11.50	100	7348	:Aluminium washer 2 mm thick 15 mm dia
9000.	12 mm M.S. 'U' beading	M	16.10	1	7349	:12 mm M.S. 'U' beading
9040.	P.V.C. automatic flushing cistern 10 lts	EA	575.00	1	7361	:P.V.C. automatic flushing cistern 10 lts capacity
9010.	Plastic M.S. foot rest 30x20x15 cm	EA	126.50	1	7354	:Plastic encapsulated M.S. foot rest 30x20x15 cm
9020.	Flushing Cistern P.V.C. low level/White	EA	661.25	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	517.50	1	7359	:P.V.C. automatic flushing cistern 5 lts capacity
9050.	15 mm C.P. brass tap with elbow	EA	494.50	1	7363	:15 mm C.P. brass tap with elbow operation lever
9060.	White fire clay board 600x450x25 mm	EA	575.00	1	7364	:White glazed fire clay draining board 600x450x25 mm
9070.	GRG board 8.5 mm thick	M2	276.00	1	7366	:Glass reinforced Gyp sum (GRG) board 8.5 mm thick
9080.	Galvanised M.S. sheet sect. 50x32 mm	M	69.00	1	7367	:Galvanised M.S. sheet 0.5 mm thick pressed channel section of size 50x32 mm
9090.	Galvanised M.S. sheet stud.	M	80.50	1	7369	:Galvanised M.S. sheet 0.50 mm thick pressed stud.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	48x34x36 mm					48x34x36 mm
9100.	G.I. Flush pipe & C.P. 1 lipped urinal	EA	511.75	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	879.75	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	1,207.50	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	1,644.50	1	7378	:G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lipped urinals
9170.	Bitumen emulsion rapid IS:8887-1995	TO	20,987.50	1	7382	:Bitumen emulsion rapid setting (R.S.) confirming to IS : 8887-1995
9140.	W.V.C. clay urinal flat 580x380x350 mm	EA	994.75	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
9150.	P/cast RCC 500x450mm horizontal grating	EA	713.00	1	7380	:Precast R.C.C. grating with frame 500x450 mm horizontal grating
9160.	Precast RCC 450x100 mm vertical grating	EA	270.25	1	7381	:Precast R.C.C. grating with frame 450x100 mm vertical grating

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
9180.	3mm th. translucent white plastic sheet	M2	563.50	1	7385	:3 mm thick translucent white acrylic plastic sheet
9190.	12 thick particle board ceiling tile	M2	109.25	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	43.70	1	7389	:Anodising 15 microns on aluminium sections
9220.	Neoprene/EPDM rubber gasket	M	17.25	1	7390	:Neoprene/EPDM rubber gasket
9230.	Anodising 25 microns on al. sections	KG	55.20	1	7391	:Anodising 25 microns on aluminium sections
9240.	Powder coating 50 microns on al.section	KG	70.15	1	7392	:Powder coating 50 microns on aluminium sections.
9250.	Polyester powder coating 50 microns	KG	77.05	1	7393	:Polyester powder coating 50 microns on aluminium sections
9260.	Double action, steel cover plate	EA	1,725.00	1	7394	:Double action hydraulic floor spring with stainless steel cover plate
9300.	15 mm PTMT bib cock with flange (fancy)	EA	103.50	1	7401	:15 mm PTMT bib cock with flange (fancy)
9270.	6 mm dia. G.I. adjustable hangers	EA	23.00	1	7395	:6 mm dia. G.I. adjustable hangers including clips (up to 1.2 m length)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
9280.	Double action hydraulic fl, cover plate	EA	1,863.00	1	7396	:Double action hydraulic floor spring with brass cover plate
9290.	15 mm PTMT bib cock	EA	74.75	1	7400	:15 mm PTMT bib cock
9310.	15 mm PTMT bib cock long body, flange	EA	115.00	1	7402	:15 mm PTMT bib cock long body with flange
9320.	15 mm dia PTMT stop cock(male thread)	EA	69.00	1	7403	:15 mm dia PTMT stop cock(male thread)
9330.	20 mm dia. PTMT stop cock	EA	78.20	1	7405	:20 mm dia. PTMT stop cock
9340.	PTMT pillar cock	EA	132.25	1	7406	:PTMT pillar cock
9350.	PTMT push cock 15 mm dia.	EA	63.25	1	7407	:PTMT push cock 15 mm dia.
9360.	PTMT push cock 12 mm dia. 20 mm BSP	EA	51.75	1	7408	:PTMT push cock 12 mm dia. 20 mm BSP
9370.	PTMT grating 100 mm dia.	EA	18.40	1	7409	:PTMT grating 100 mm dia.
9380.	PTMP. Pillar cock 15mm foam flow	EA	143.75	1	7410	:PTMP. Pillar cock (fancy) 15mm foam flow
9390.	125 mm grating with waste hole	EA	28.75	1	7411	:125 mm grating with waste hole
9400.	Rectangular type, lid 150 mm size 18mm	EA	135.70	1	7412	:Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia. (110 gm)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
9440.	Water meter, 80 mm	EA	2,334.50	1	7418	:Water meter (including testing charges) 80 mm
9410.	Double acting air valve 50 mm	EA	4,272.25	1	7415	:Double acting air valve 50 mm
9420.	Double acting air valve 80 mm	EA	5,203.75	1	7416	:Double acting air valve 80 mm
9430.	Double acting air valve 100 mm	EA	6,796.50	1	7417	:Double acting air valve 100 mm
9450.	Water meter, 100 mm	EA	3,614.45	1	7419	:Water meter (including testing charges) 100 mm
9460.	Water meter, 150 mm	EA	5,479.75	1	7420	:Water meter (including testing charges) 150 mm
9470.	Water meter, 200 mm	EA	5,916.75	1	7421	:Water meter (including testing charges) 200 mm
9480.	Dirt box strainer 80 mm	EA	3,082.00	1	7422	:Dirt box strainer 80 mm
9490.	Dirt box strainer 100 mm	EA	5,025.50	1	7423	:Dirt box strainer 100 mm
9500.	Dirt box strainer 150 mm	EA	6,371.00	1	7424	:Dirt box strainer 150 mm
9510.	Dirt box strainer 200 mm	EA	9,039.00	1	7425	:Dirt box strainer 200 mm
9520.	Cat's eye	EA	92.00	1	7426	:Cat's eye

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
9530.	Water stops Serrated with central bulb	M	230.00	1	7427	:Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick)
9540.	Water stops Dumb bell with central bulb	M	184.00	1	7428	:Water stops Dumb bell with central bulb
9580.	Wedge expansion hold 1/2"or 12mm	EA	27.60	1	7432	:Wedge expansion hold fastener 1/2" or 12 mm
9550.	Kickers	M	184.00	1	7429	:Kickers
9560.	Wedge expansion hold 1/4" or 6 mm	EA	9.20	1	7430	:Wedge expansion hold fastener 1/4" or 6 mm
9570.	Wedge expansion hold 3/8"or 10 mm	EA	11.50	1	7431	:Wedge expansion hold fastener 3/8" or 10 mm
9590.	8mm thic m/c cut edge Raj Nagar white	M2	517.50	1	7439	:8mm thick (mirror polished tiles machine cut edge) Raj Nagar white
9600.	Wheel 75 mm dia. 40 mm wide	EA	71.30	1	7442	:Wheel 75 mm dia. 40 mm wide
9610.	Aluminium single cleat of size 30x32x3	EA	16.10	1	7443	:Aluminium single cleat of size 30x32x3
9620.	Aluminium grip strip of size 50x12x2	EA	12.65	1	7444	:Aluminium grip strip of size 50x12x2
9630.	25 mm flush door both side decorative	M2	920.00	1	7445	:25 mm prelaminated flush door both side decorative
9640.	Aluminium U beading	KG	241.50	1	7449	:Aluminium U beading

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
9650.	Glass sheet (Pin headed) 4 mm thick	M2	396.75	1	7451	:Glass sheet (Pin headed) 4 mm thick
9660.	RNP white marble above 0.10 upto0.20sqm	M2	618.70	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	747.50	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	23.00	1	7466	:Second class deodar teak wood lipping 30 mm widthx12mm
9720.	Prelaminated board IS:12823, 25mm thick	M2	977.50	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
9690.	Veneered board on both sides 12mm thick	M2	552.00	1	7468	:Veneered particle board with commercial veneering on both sides 12 mm thick
9700.	Prelaminated board IS:12823, 12mm thick	M2	575.00	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
9710.	Prelaminated board IS:12823, 18mm thick	M2	644.00	1	7478	:Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer &

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade)18 mm thick
9730.	Prelaminated board IS:12823, 12mm thick	M2	563.50	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	46.00	1	7485	:Oxidised M. S. hinges finished with nickel plating 50 mm (Over all
9750.	Oxidised M.S. hinge nickel plating 65mm	M	59.80	1	7486	:Oxidised M. S. hinges finished with nickel plating 65 mm (Over all width) width)
9760.	Prefix PTMT - Waste Coupling 31/32MM	EA	39.10	1	7491	:Prefix #PTMT# - Waste Coupling 31/32MM
9770.	Prefix 'PTMT' - Waste Coupling 38/40MM	EA	44.85	1	7492	:Prefix #PTMT# - Waste Coupling 38/40MM
9780.	Prefix 'PTMT' - Bottle Trap 31/32MM	EA	230.00	1	7493	:Prefix #PTMT# - Bottle Trap 31/32MM
9790.	Prefix 'PTMT' - Bottle Trap 38/40MM	EA	230.00	1	7494	:Prefix #PTMT# - Bottle Trap 38/40MM
9800.	P/fix PTMT-Ball Cock 15mm Road&HD Ball	EA	86.25	1	7495	:Prefix #PTMT# - Ball Cock 15mm Complete with Epoxy Coated Aluminium Road & H.D. Ball
9810.	P/fix PTMT-Ball Cock 20mm	EA	126.50	1	7496	:Prefix #PTMT# - Ball Cock 20mm Complete with

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Road&HD Ball					Epoxy Coated Aluminium Road & H.D. Ball
9850.	P/fix PTMT-Angle Stop cock Flange 15mm	EA	97.75	1	7500	:Prefix #PTMT# - Angle Stop cock with Flange 15mm
9820.	P/fix PTMT-Ball Cock 25mm Road&HD Ball	EA	316.25	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	483.00	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	943.00	1	7499	:Prefix #PTMT# - Ball Cock 50mm Complete with Epoxy Coated Aluminium Road & H.D. Ball
9860.	Prefix 'PTMT' - Swiveling shower 15mm	EA	74.75	1	7501	:Prefix #PTMT# - Swiveling shower 15mm
9870.	Prefix PTMT-Liquid Soap of 400ml capcty	EA	109.25	1	7503	:Prefix #PTMT# - Liquid Soap Container of 400ml capacity
9880.	Prefix PTMT-Towel Ring 215xd200x37mm	EA	126.50	1	7504	:Prefix #PTMT# - Towel Ring 215xd200x37mm
9890.	Prefix 'PTMT' - Towel Rail (450MM)	EA	143.75	1	7505	:Prefix #PTMT# - Towel Rail (450MM)
9900.	Prefix PTMT - Towel Rail (600MM)	EA	166.75	1	7506	:Prefix #PTMT# - Towel Rail (600MM)
9910.	Prefix PTMT - Shelf 450x124x36mm	EA	172.50	1	7507	:Prefix #PTMT# - Shelf 450x124x36mm
9920.	Prefix PTMT- Urinal Spreader	EA	63.25	1	7508	:Prefix #PTMT# - Urinal Spreader 15MM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	15MM					
9930.	P/f PTMT Soap Dish/Holder 138x102x75mm	EA	66.70	1	7509	:Prefix #PTMT# - Soap Dish/Holder 138x102x75mm
9940.	PTMT handle 125x34x24mm	EA	23.00	1	7512	:PTMT handle 125x34x24mm
9980.	PTMT Tower bolt 152x42x18mm	EA	40.25	1	7516	:PTMT Tower bolt 152x42x18mm
9950.	PTMT handle 150x34x24mm	EA	23.00	1	7513	:PTMT handle 150x34x24mm
9960.	PTMT butt hinges 75x60x10mm	EA	33.35	1	7514	:PTMT butt hinges 75x60x10mm
9970.	PTMT butt hinges 100x75x10mm	EA	41.40	1	7515	:PTMT butt hinges 100x75x10mm
9990.	PTMT Tower bolt 202x42x18mm	EA	66.70	1	7517	:PTMT Tower bolt 202x42x18mm
10000.	PTMT door catcher 72x42mm	EA	25.30	1	7518	:PTMT door catcher 72x42mm
10010.	Coir veneered board 4mm thick	M2	299.00	1	7552	:Coir veneered board 4mm thick
10020.	Coir veneered board 6mm thick	M2	402.50	1	7553	:Coir veneered board 6mm thick
10030.	Coir veneered board 12mm thick	M2	718.75	1	7555	:Coir veneered board 12mm thick
10040.	Coir veneered board 18mm thick	M2	1,069.50	1	7556	:Coir veneered board 18mm thick

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10050.	Ductile Iron, pipe IS. 8329-100mm dia	M	879.75	1	7651	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 100mm dia
10060.	Ductile Iron, pipe IS. 8329-150mm dia	M	1,322.50	1	7652	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 150mm dia
10070.	Ductile Iron, pipe IS. 8329-200mm dia	M	1,811.25	1	7653	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 200mm dia
10080.	Ductile Iron, pipe IS. 8329-250mm dia	M	2,530.00	1	7654	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250mm dia
10120.	Ductile Iron, pipe IS. 8329-450mm dia	M	5,750.00	1	7658	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450mm dia
10090.	Ductile Iron, pipe IS. 8329-300mm dia	M	3,162.50	1	7655	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300mm dia
10100.	Ductile Iron, pipe IS. 8329-350mm dia	M	3,852.50	1	7656	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350mm dia
10110.	Ductile Iron, pipe IS. 8329-400mm dia	M	4,945.00	1	7657	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400mm dia
10130.	Ductile Iron, pipe IS. 8329-500mm dia	M	7,210.50	1	7659	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10140.	Ductile Iron, pipe IS. 8329-600mm dia	M	8,694.00	1	7660	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600mm dia
10150.	Ductile Iron, pipe IS. 8329-700mm dia	M	12,075.00	1	7661	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700mm dia
10160.	Ductile Iron, pipe IS. 8329-750mm dia	M	13,052.50	1	7662	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750mm dia
10170.	Ductile Iron, pipe IS. 8329-800mm dia	M	13,167.50	1	7663	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800mm dia
10180.	Ductile Iron, pipe IS. 8329-900mm dia	M	15,985.00	1	7664	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900mm dia
10190.	Ductile Iron, pipe IS. 8329-1000mm dia	M	17,882.50	1	7665	:Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000mm dia
10200.	Rubber Gaskets, S.B.R qlty. 100mm dia	EA	33.35	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	37.95	1	7668	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia
10250.	Rubber Gaskets, S.B.R qlty.	EA	133.40	1	7672	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	350mm dia					350mm dia
10220.	Rubber Gaskets, S.B.R qlty. 200mm dia	EA	69.00	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	80.50	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	115.00	1	7671	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300mm dia
10260.	Rubber Gaskets, S.B.R qlty. 400mm dia	EA	241.50	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	287.50	1	7674	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450mm dia
10280.	Rubber Gaskets, S.B.R qlty. 500mm dia	EA	310.50	1	7675	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500mm dia
10290.	Rubber Gaskets, S.B.R qlty. 600mm dia	EA	409.40	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	586.50	1	7677	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10310.	Rubber Gaskets, S.B.R qlty. 750mm dia	EA	690.00	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	810.75	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	1,046.50	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	1,242.00	1	7681	:Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000mm dia
10380.	Ductile Ir. joint IS 9523 over 600mmdia	QTL	21,562.50	1	7685	:Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600mm dia
10350.	Ductile Iron K-12, joint up to 600mmdia.	QTL	14,260.00	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	19,780.00	1	7683	:Ductile Iron K - 12 specials suitable for push on jointing over 600mm dia.
10370.	Ductile Ir. IS 9523-up to 600mm dia	QTL	15,007.50	1	7684	:Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 - up to 600mm dia
10390.	Ductile Iron Pipe flang/weld 100mm dia	M	1,265.00	1	7686	:Ductile Iron Pipe Class K-9 flanges and welding 100mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10400.	Ductile Iron Pipe flang/weld 150mm dia	M	1,897.50	1	7687	:Ductile Iron Pipe Class K-9 flanges and welding 150 dia
10410.	Ductile Iron Pipe flang/weld 200mm dia	M	2,386.25	1	7688	:Ductile Iron Pipe Class K-9 flanges and welding 200mm dia
10420.	Ductile Iron Pipe flang/weld 250mm dia	M	3,392.50	1	7689	:Ductile Iron Pipe Class K-9 flanges and welding 250mm dia
10430.	Ductile Iron Pipe flang/weld 300mm dia	M	4,358.50	1	7690	:Ductile Iron Pipe Class K-9 flanges and welding 300mm dia
10440.	Ductile Iron Pipe flang/weld 350mm dia	M	5,497.00	1	7691	:Ductile Iron Pipe Class K-9 flanges and welding 350mm dia
10450.	Ductile Iron Pipe flang/weld 400mm dia	M	7,072.50	1	7692	:Ductile Iron Pipe Class K-9 flanges and welding 400mm dia
10460.	Ductile Iron Pipe flang/weld 450mm dia	M	7,420.95	1	7693	:Ductile Iron Pipe Class K-9 flanges and welding 450mm dia
10470.	Ductile Iron Pipe flang/weld 500mm dia	M	10,557.00	1	7694	:Ductile Iron Pipe Class K-9 flanges and welding 500mm dia
10510.	S&S Cent/f C.I. Pipe class LA 125mm dia	M	1,227.05	1	7698	:S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10480.	Ductile Iron Pipe flang/weld 600mm dia	M	13,972.50	1	7695	:Ductile Iron Pipe Class K-9 flanges and welding 600mm dia
10490.	Ductile Iron Pipe flang/weld 700mm dia	M	16,525.50	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	985.55	1	7697	:S&S Centrifugally (Spun) C.I. Pipe class LA 100mm dia
10520.	S&S Cent/f C.I. Pipe class LA 150mm dia	M	1,478.90	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	2,518.50	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	3,285.55	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	4,435.55	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	5,311.85	1	7703	:S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia
10570.	S&S Cent/f C.I. Pipe class LA 400mm dia	M	7,009.25	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	8,488.15	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	9,856.65	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	13,794.25	1	7707	:S&S Centrifugally (Spun) C.I. Pipe class LA 600mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10640.	S&SCent/f C.I. Pipe 13382 over 300mmdia	QTL	10,405.20	1	7711	:S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300mm dia
10610.	S&S Cent/f Pipe IS 1538 up to 300mm dia	QTL	5,968.50	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	7,130.00	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	9,856.65	1	7710	:S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300mm dia
10650.	Scr. Double flange Pipe-1536-100mm dia.	M	1,506.50	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	2,355.20	1	7713	:Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200mm dia
10670.	Scr. Double flange Pipe-1536-200mm dia.	M	3,723.70	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	4,490.75	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	5,738.50	1	7716	:Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10700.	Scr. Double flange Pipe-1536-350mm dia.	M	7,228.90	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	9,364.45	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	11,938.15	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	14,851.10	1	7720	:Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500mm dia
10770.	Ductile Iron, pipe I.S. 8329-200mm dia	M	1,610.00	1	7724	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200mm dia
10740.	Scr. Double flange Pipe-1536-600mm dia.	M	20,590.75	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	920.00	1	7722	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100mm dia
10760.	Ductile Iron, pipe I.S. 8329-150mm dia	M	1,311.00	1	7723	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150mm dia
10780.	Ductile Iron, pipe I.S. 8329-250mm	M	2,070.00	1	7725	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 -

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	dia					250mm dia
10790.	Ductile Iron, pipe I.S. 8329-300mm dia	M	2,587.50	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	3,047.50	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	3,651.25	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	4,429.80	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	5,002.50	1	7730	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500mm dia
10840.	Ductile Iron pipe I.S. 8329-600mm dia	M	6,440.00	1	7731	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600mm dia
10850.	Ductile Iron, pipe I.S. 8329-700mm dia	M	8,395.00	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	10,465.00	1	7733	:Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10900.	FALG Bricks conforming I.S.12894-1989	NO		1	7737	:Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894-1989
10870.	Ductile Iron, pipe, I.S. 8329-900mm dia	M	13,570.00	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	14,145.00	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
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	32,200.00	1	7739	:Modified Bitumen Refinery produced CRMB - 55
10930.	Modified Bitumen Refinery CRMB-60	TO	33,522.50	1	7741	:Modified Bitumen Refinery produced CRMB - 60
10940.	Bitumen emulsion M.S.IS:8887-1995tonne	TO	31,165.00	1	7742	:Bitumen emulsion medium setting (M.S.) confirming to IS : 8887-1995 tonne
10950.	Ceramic Glazed Tiles except burgundy..	M2	218.50	1	7800	:Ceramic Glazed Tiles Ist quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
10960.	Ceramic Glazed Tiles White, Ivory..	M2	201.25	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	345.00	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	391.00	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	460.00	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.
11030.	Cent/f C.I. S&S 100 inlet&100mm outlet	EA	517.50	1	7808	:Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet
11000.	S.S.S Orrisa patn. W.C. pan724X578mm	EA	5,175.00	1	7805	:Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724mm X 578mm
11010.	Salem Stainless S. Round basin 405X355mm	EA	1,725.00	1	7806	:Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355mm
11020.	Salem Stainless S. Wash basin	EA	2,300.00	1	7807	:Salem Stainless steel AISI - 304 (18/8) Wash basin

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	530X345mm					530mm X 345mm each
11040.	Cent/f C.I. S&S 100 inlet & 75mm outlet	EA	575.00	1	7809	:Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet
11050.	Agaria White marble slab plain 18mm th.	EA	1,092.50	1	7850	:Agaria White marble slab plain 18mm thick
11060.	P.T.M.T. Grating square slit 150mm	EA	51.75	1	7857	
11070.	P.T.M.T. Urinal cock 15mm dia	EA	109.25	1	7858	
11080.	P.T.M.T. Bib cock with nozzle 15mm	EA	126.50	1	7859	
11090.	P.T.M.T. Stop cock (concealed) 15mm	EA	138.00	1	7861	
11100.	15mm nominal & 30cm L. PVC pipe	EA	43.70	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	59.80	1	7863	:15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts
11120.	P.T.M.T. extension nipple 15mm	EA	28.75	1	7864	
11160.	M/C moulded Perfo FPS bricks-class 125	NO		1	7901	:Machine moulded perforated FPS bricks of class designation 125
11130.	P.T.M.T. extension nipple 20mm	EA	57.50	1	7865	
11140.	P.T.M.T. extension nipple 25mm	EA	78.20	1	7866	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11150.	Modular bricks of class designation 75	NO		1	7900	
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	5,290.00	1,000	7904	:Machine moulded tile bricks of class designation 125
11200.	24 mm Factory made shutters with frame	M2	1,248.82	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	1,436.14	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	1,779.57	1	8003	:Factory made PVC rigid foam paneled shutter i/c carriage
11230.	Factory made PVC rigid foam Shutters IS	M2	1,779.57	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	179.17	1	8006	:Factory made PVC rigid foam sheet 1mm thick
11250.	Factory made PVC rigid foam sheet 5mm	M2	726.80	1	8007	:Factory made PVC rigid foam sheet 5mm thick

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11290.	Adhesive solvent cement	KG	161.00	1	8012	
11260.	Factory made prelam. PVC rigid Sheet	M2	864.80	1	8008	:Factory made prelaminated PVC rigid foam sheet 5mm thick
11270.	48mmX40mmX1.5mm tk,door frame of PVC	M	149.50	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	299.00	1	8011	:Factory made door frame PVC extruded sheet i/c carriage
11300.	Powder coated hinges 100mm X58mmX1.9mm	NO	149.50	10	8100	:Powder coated M.S. butt hinges 100mm X58mmX1.9mm
11310.	A.P.P. modified polymeric 1.5 mm thick	M2	92.00	1	8200	:A.P.P. modified polymeric felt (two layers) 1.5 mm thick
11320.	A.P.P. modified polymeric 2 mm thick	M2	138.00	1	8201	:A.P.P. modified polymeric felt (two layers) 2 mm thick
11330.	A.P.P.modifie 2mm with glass fibre matt	M2	149.50	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	218.50	1	8204	:A.P.P. modified 3 mm thick membrane reinforced with glass fibre
11350.	A.P.P. modifie 3 mm with polyester matt	M2	241.50	1	8205	:A.P.P. modified 3 mm thick membrane reinforced with polyester matt
11360.	Bitumen primer for bitumen membrane	L	97.75	1	8206	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11370.	Geotextile 120 gsm membrane	M2	51.75	1	8207	
11380.	Stainless steel screws 50 mm	NO	345.00	100	8210	
11420.	Stainless steel butt hinges125x64x1.9mm	NO	356.50	10	8215	:Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked
11390.	Stainless steel screws 40 mm	NO	287.50	100	8211	
11400.	Stainless steel screws 30 mm	NO	264.50	100	8212	
11410.	Stainless steel screws 20 mm	NO	172.50	100	8214	
11430.	Stainless steel butt hinges100x58x1.9mm	NO	322.00	10	8216	:Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked
11440.	Stainless steel butt hinges75x47x1.8mm	NO	207.00	10	8217	:Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked
11450.	Stainless steel butt hinges50x37x1.5mm	NO	172.50	10	8218	:Stainless steel butt hinges 50x37x1.5 mm IS : 12817 marked
11460.	Stainless steel butt hinges125x64x2.5mm	NO	431.25	10	8219	:Stainless steel butt hinges (heavy weight) 125x64x2.5 mm IS : 12817 marked
11470.	Stainless steel butt hinges 100x60x2.5mm	NO	316.25	10	8220	:Stainless steel butt hinges (heavy weight) 100x60x2.5 mm IS : 12817 marked
11480.	Stainless steel butt hinges 75x50x2.5 mm	NO	264.50	10	8221	:Stainless steel butt hinges (heavy weight) 75x50x2.5 mm IS : 12817 marked

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11490.	M.S. heavy w. but hinges 125x90x4.0mm	NO	264.50	10	8222	:M.S. heavy weight but hinges 125x90x4.0mm IS : 1341 marked.
11500.	M.S. heavy w. butt hinges 100x75x3.5 mm	NO	207.00	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	126.50	10	8224	:M.S. heavy weight butt hinges 75x60x3.1 mm IS: 1341 marked
11550.	2025 mm PE-AL-PE Composite p. pipe	M	161.00	1	8302	:2025 mm PE-AL-PE Composite pressure pipe
11520.	M.S. heavy, w. butt hinges 50x40x2.5 mm	NO	103.50	10	8225	:M.S. heavy weight butt hinges 50x40x2.5 mm IS : 1341 marked
11530.	1216 mm PE-AL-PE Composite p. pipe	M	92.00	1	8300	:1216 mm PE-AL-PE Composite pressure pipe
11540.	1620 mm PE-AL-PE Composite p. pipe	M	103.50	1	8301	:1620 mm PE-AL-PE Composite pressure pipe
11560.	2532 mm PE-AL-PE Composite p. pipe	M	207.00	1	8303	:2532 mm PE-AL-PE Composite pressure pipe
11570.	3240 mm PE-AL-PE Composite p. pipe	M	322.00	1	8304	:3240 mm PE-AL-PE Composite pressure pipe
11580.	4050 mm PE-AL-PE Composite p. pipe	M	414.00	1	8305	:4050 mm PE-AL-PE Composite pressure pipe
11590.	Polymer modified cementation coating	KG	184.00	1	8501	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11600.	Fibre glass cloth	M2	36.80	1	8502	
11610.	Multi surface paint	L	345.00	1	8504	
11620.	Acrylic exterior paint	L	230.00	1	8505	
11630.	Premium Acrylic exterior paint	L	241.50	1	8506	
11640.	Textured exterior paint	L	322.00	1	8507	
11650.	Primer for cement paint	L	103.50	1	8508	
11690.	Perimeter wall angle 21x21 mm x 0.3 mm	EA	92.00	1	8612	:Perimeter wall angle 21x21 mm x 0.3 mm (3 metre long)
11660.	Special Primer (C.W.)	L	184.00	1	8509	
11670.	Metal Primer (U.G.)	L	120.75	1	8510	
11680.	Main T ceiling sections 24x38x0.3 mm	EA	149.50	1	8611	:Main T ceiling sections 24x38x0.3 mm (3 metre long)
11700.	T-Section 24x25x0.3 mm (1.2 mtr long)	EA	46.00	1	8613	:Intermediate cross T-Section 24x25x0.3 mm (1.2 mtr long)
11710.	T-Section (0.6 mtr. long)	EA	23.00	1	8614	:Intermediate cross T-Section 24x25x0.3mm (0.6 mtr. long)
11720.	Hanger rod 0.5 mm thick	EA	11.50	1	8615	
11730.	Adjustment clip	EA	6.90	1	8616	
11740.	Soffit cleat	EA	5.75	1	8617	
11750.	Dash fastener 6 mm dia 50 mm long	EA	11.50	1	8618	
11760.	Vitrified floor tile 50x50 cm	M2	575.00	1	8620	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11770.	Vitrified floor tile 60x60 cm	M2	644.00	1	8621	
11780.	Vitrified floor tile 80x80 cm	M2	1,035.00	1	8622	
11790.	Vitrified floor tile 100x100 cm	M2	1,598.50	1	8623	
11830.	PPR pipes SDR 7.4 - 32 mm Outer dia.	M	123.59	1	8628	:Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia.
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	55.73	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	86.04	1	8627	:Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia.
11840.	PPR pipes SDR 7.4 - 40mm Outer dia.	M	186.30	1	8629	:Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 40mm Outer dia.
11850.	PPR pipes SDR 7.4 - 50mm Outer dia.	M	293.25	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	327.75	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	488.75	1	8632	:Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 75mm Outer dia.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
11880.	PPR pipes SDR 7.4 - 90mm Outer dia.	M	690.00	1	8633	:Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 90mm Outer dia.
11890.	PPR pipes SDR - 11 - 110mm Outer dia.	M	1,023.50	1	8634	:Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11 - 110mm Outer dia.
11900.	PPR pipes SDR - 11- 160mm Outer dia.	M	2,961.25	1	8635	:Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11- 160mm Outer dia.
11910.	CPVC pipe 15 mm outer dia.	M	56.35	1	8636	:Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia.
11920.	CPVC pipe 20 mm outer dia.	M	92.00	1	8637	:Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia.
11960.	CPVC pipe 50 mm outer dia.	M	431.54	1	8641	:Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia.
11930.	CPVC pipe 25 mm outer dia.	M	147.17	1	8638	:Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia.
11940.	CPVC pipe 32 mm outer dia.	M	189.75	1	8639	:Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia.
11950.	CPVC pipe 40 mm outer dia.	M	264.50	1	8640	:Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						dia.
11970.	CPVC pipe 62.5mm inner dia.	M	912.30	1	8642	:Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5mm inner dia.
11980.	CPVC pipe 75 mm inner dia.	M	1,185.71	1	8643	:Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia.
11990.	CPVC pipe 100 mm inner dia.	M	1,686.76	1	8644	:Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia.
12000.	CPVC pipe 150 mm inner dia.	M	3,616.92	1	8645	:Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia.
12010.	Silicon sealant.	NO	128.80	1	8646	Silicon sealant.(Rate: per Cartridge)
12020.	Stainless steal screws 30mm x4mm.	NO	41.22	100	8647	
12030.	Hermetically sealed double glazed	M2	2,530.00	1	8648	:Hermetically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap.
12040.	Stainless steel, window stay. 205x19mm	EA	227.47	1	8649	:Stainless steel (SS 304 grade) adjustable friction window stay. 205 x 19mm
12050.	Stainless steel window stay 255 x 19mm	EA	258.75	1	8650	:Stainless steel (SS 304 grade) adjustable friction window stay 255 x 19mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12060.	Stainless steel window stay. 355 x 19mm	EA	224.25	1	8651	:Stainless steel (SS 304 grade) adjustable friction window stay. 355 x 19mm
12100.	Autoclaved aerated cement (AAC) blocks.	M3	3,047.50	1	8655	
12070.	Stainless steel friction stay 510x19mm	EA	615.25	1	8652	:Stainless steel (SS 304 grade) adjustable friction window stay. 510 x 19mm
12080.	Stainless steel, window stay 710x19mm	EA	1,063.75	1	8653	:Stainless steel (SS 304 grade) adjustable friction window stay. 710 x 19mm
12090.	Masking tape.	M	2.51	1	8654	
12110.	Gypsum panel 666 X 500 X 100 mm size.	M2	552.00	1	8656	
12120.	Bonding plaster for Gypsum panel.	KG	29.33	1	8657	
12130.	Precast C&D waste concrete block	NO	28,922.50	1,000	8658	Precast C&D waste concrete block
12140.	Water proof ply 12mm thick.	M2	603.75	1	8659	
12150.	Aluminium casement, (Anodised AC 15)	EA	55.20	1	8660	:Aluminium casement window fastener (Anodised AC 15)
12160.	Aluminium casement (powder coated)	EA	60.54	1	8661	:Aluminium casement window fastener (powder coated).
12170.	Aluminium C. , (polyester powder coated)	EA	59.25	1	8662	:Aluminium casement window fastener (polyester powder coated).
12180.	Aluminium round (anodised AC 15)	EA	68.26	1	8663	:Aluminium round shape handle (anodised AC 15)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12190.	Aluminium round (powder coated)	EA	69.00	1	8664	:Aluminium round shape handle (powder coated)
12230.	UV stabilised 2 mm thick corrugated FRP	M2	603.75	1	8668	:UV stabilised 2 mm thick corrugated FRP sheet .
12200.	Aluminium round, polyester powder coated	EA	71.30	1	8665	:Aluminium round shape handle (polyester powder coated).
12210.	Stainless steel screws 25mm x4mm	NO	48.07	100	8666	
12220.	UV stabilised 2 mm thick plain FRP S.	M2	517.50	1	8667	:UV stabilised 2 mm thick plain FRP sheet .
12240.	Mangalore ridge tiles 20mm thick.	EA	9.20	1	8669	
12250.	Mangalore tiles 20mm thick.	EA	9.20	1	8670	
12260.	Precoated G.V.iron profile sheet 0.50 mm	M2	431.25	1	8671	:Precoated galvanised iron profile sheet 0.50 mm TCT
12270.	Precoated G.V. steel plain ridges.	M	258.75	1	8672	:Precoated galvanised steel plain ridges.
12280.	Precoated G.V. steel flashings/aprons.	M	270.48	1	8673	:Precoated galvanised steel flashings/aprons.
12290.	Precoated galvanised steel gutter	M	506.00	1	8674	:Precoated galvanised steel gutter
12300.	Precoated G.V. steel north light curve	M	276.00	1	8675	:Precoated galvanised steel north light curves.
12310.	Precoated galvanised steel barge board.	M	264.50	1	8676	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12320.	Precoated galvanised steel crimp curve	M2	270.25	1	8677	
12360.	Delineator	EA	386.40	1	8685	
12330.	1mm thick 35mm wide bright finished	M	54.10	1	8678	:1mm thick 35mm wide bright finished stainless steel piano hinges .
12340.	Red sand stone gang saw cut 30mm thick.	M2	547.40	1	8683	
12350.	White sand stone gang saw cut 30mm th	M2	644.00	1	8684	
12370.	Precast C.C. Kerb stone M - 25	M3	6,440.00	1	8686	
12380.	Thermoplastic paint	KG	75.90	1	8687	
12390.	Glass beads	KG	82.80	1	8688	
12400.	Interlocking C.C. paver block, 60 mm th.	M2	506.00	1	8689	:Interlocking C.C. paver block (60 mm thick, M-30)
12410.	High intensity retro-reflective sheet.	M2	1,659.45	1	8690	
12420.	Punched tape concertina coil 600 m dia	ROL	690.00	1	8691	:Punched tape concertina coil 600 m dia. 10m openable length (Total length 90m) (Unit of measurment is per Roll)
12430.	RBT reinforced barbed wire.	M	8.05	1	8692	
12440.	Turn buckle and strengthening bolt.	SET	48.30	1	8693	
12450.	Precast pavement slab 450 x 450 x 50mm	EA	166.75	1	8694	:Precast pavement slab 450 x 450 x 50mm (M - 30).
12460.	Chain link fabric fencing, size 50x50mm	M2	345.00	1	8695	:Chain link fabric fencing mesh of size 50x50mm made of G.I. wire of dia. 4mm.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12500.	8 mm thick taper edge calcium silicate	M2	310.50	1	8699	:8 mm thick tapered edge calcium silicate board .
12470.	Chain link fabric fencing, size 50x50mm	M2	379.50	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	437.00	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	132.25	1	8698	:Stainless steel cramps with nuts, bolts and washer for dry stone cladding .
12510.	10 mm thick calcium silicate board.	M2	483.00	1	8700	
12520.	Telescopic drawer channels 300mm long .	SET	276.00	1	8703	
12530.	Stainless steel roller for sliding	EA	12.65	1	8704	:Stainless steel roller for sliding arrangement in racks/ cupboards/
12540.	50mmX42mmX2mm thick Factory made door	M	190.90	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	1,955.00	1	8706	:25mm thick factory made PVC flush door shutter i/c carriage.
12560.	Factory made glass, door frame 90x45 mm	M	552.00	1	8707	:Factory made glass reinforced plastic door frame 90x45 mm i/c carriage.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12570.	30 mm thick factory made glass fiber	M2	2,674.90	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	362.25	1	8710	:Factory made solid PVC door frame 60 x 30mm i/c carriage.
12590.	28mm factory made solid PVC panel door	M2	2,357.50	1	8711	:28mm factory made solid PVC panel door shutter i/c carriage.
12630.	100 mm mortice lock with 6 levers	EA	496.80	1	8716	:100 mm mortice lock with 6 levers for aluminium door.
12600.	Fiber glass reinforced plastic chajja.	M2	3,450.00	1	8713	
12610.	Magnetic catcher triple, vertical type.	EA	32.20	1	8714	:Magnetic catcher triple strip vertical type.
12620.	Magnetic catcher double horizontal	EA	23.00	1	8715	:Magnetic catcher double strip horizontal type.
12640.	12.5 mm thick Glass fibre reinforced	M2		1	8717	:12.5 mm thick Glass fibre reinforced Gypsum board .
12650.	2nd class teak wood lipping	M	34.50	1	8719	:2nd class teak wood lipping/ moulded beading or Taj beading of size 18X5mm
12660.	Ceiling sections 0.55 mm thick	M	43.70	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12670.	Perimeter channel, one flange of 20mm	M	26.45	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	2.99	1	8722	
12690.	Counter sunk ribbed head screw 25mm.	NO	87.40	100	8723	
12700.	12mm thick marine plywood	M2	828.00	1	8724	:12mm thick marine plywood conforming to IS:710
12710.	12mm thick fire retardant plywood	M2	997.05	1	8725	:12mm thick fire retardant plywood conforming to IS: 5509.
12720.	1.5mm thick decorative laminated sheet	M2	437.00	1	8726	
12760.	Sundries	LSM	2.44	1	9999	:Sundries
12730.	1.0mm thick decorative laminated sheet	M2	338.10	1	8727	
12740.	30 mm thick factory made glass fiber	M2	3,076.25	1	8730	:30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage.
12750.	High polymer modified quickset tile	KG	10.35	1	8731	:High polymer modified quickset tile adhesive.
12770.	Synthetic ployster triangular fibre,12mm	KG	425.50	1	8732	Synthetic ployster triangular fibre of length 12 mm, effective diameter 10-40 microns and specific gravity of 1:34 to 1:40

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12780.	Synthetic ployster triangular fibre,6mm	KG	471.50	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	138.00	1	0801	Silicon and acrylic emulsion
12800.	Acrylic distemper 1st quality , having V	KG	46.00	1	0802	Acrylic distemper 1st quality , having VOC content less than 50 gm/kg
12810.	Acrylic emulsion , having VOC content le	L	108.10	1	0803	Acrylic emulsion , having VOC content less than 50 gm/litre
12820.	Premium acrylic emulsion of interior gra	L	230.00	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 wood	L	120.75	1	0806	Ready mixed pink or grey primer on wood work (hard and 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	57.50	1	0808	Water thinnable cement primer for interior wall surface, having VOC content less than 50 g

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
12900.	seasoned sheesham wood planks 10 dm3 650	DM3	747.50	1	1200	Kiln seasoned selected sheesham wood planks 10 cudm 650.00
12870.	Cement base wall care putty	KG	14.95	1	0824	Cement base wall care putty
12880.	Steel glazed door,window/ ventilator, al	KG	62.10	1	1011	Steel glazed door,window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc.
12890.	Surkhi	M3	805.00	1	1182	Surkhi
12910.	Precast heat resistant terrace tiles (si	EA	470.35	1	1204	Precast heat resistant terrace tiles (size 300x300 mm) and 20 mm thick
12920.	1 mm thick Stainless Steel Cover plate g	KG	328.90	1	2393	1 mm thick Stainless Steel Cover plate grade 304
12930.	Coupler 16 mm dia	EA	35.65	1	2394	Coupler 16 mm dia
12940.	Coupler 20 mm dia	EA	47.15	1	2395	Coupler 20 mm dia
12950.	Coupler 25 mm dia	EA	82.80	1	2396	Coupler 25 mm dia
12960.	Coupler 28 mm dia	EA	95.45	1	2397	Coupler 28 mm dia
12970.	Coupler 32 mm dia	EA	131.10	1	2398	Coupler 32 mm dia
12980.	Float glass sheet of nominal	M2	722.20	1	2408	Float glass sheet of nominal thickness 8 mm (weight not

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	thickness 8					less than20.00 kg/ sqm)
12990.	12 mm commercial ply	M2	586.50	1	2413	12 mm commercial ply
13000.	18 mm thick block board with commercial	M2	891.25	1	2414	18 mm thick block board with commercial ply veneering on both side
13030.	Carben Steel galvd dash fastner:10mmx120	NO	437.00	1	2508	Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade
13010.	Carben Steel galvd dash fastner:10mmx60m	NO	310.50	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	358.80	1	2507	Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade
13040.	Carben Steel galvd dash fastner:10mmx140	NO	538.20	1	2509	Carben Steel galvanised dash fastner (min 5 micron) of 10 mmdia double threaded 6.8 grade
13050.	Carben Steel galvd dash fastner:10mmx160	NO	687.70	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	586.50	1	2708	Truf Paver (500 x 500 x 40 mm)
13070.	Ceremic Tiles Pieces for Crazy Flooring	QTL	166.75	1	2709	Ceremic Tiles Pieces for Crazy Flooring

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13080.	15 mm Battery Based Sensor Pillar Cock	EA	6,900.00	1	3327	15 mm Battery Based Sensor Pillar Cock
13090.	Stainless steel (Grade-304)hollow sectio	KG	264.50	1	4001	Stainless steel (Grade-304)hollow section round/square tubes
13100.	Stainless steel bolts/square bar and pla	KG	138.00	1	4002	Stainless steel bolts/square bar and plates
13110.	12.5 mm th Fully Perforated gypsum board	M2	437.00	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	287.50	1	7031	12.5 mm thick tapered edge gypsum moisture resistant board
13170.	400 G polythene sheet	M2	13.80	1	7053	400 G polythene sheet
13140.	PU Primer	M2	57.50	1	7050	PU Primer
13150.	40 mm (average) PU spray having 40-45 kg	M2	402.50	1	7051	40 mm (average) PU spray having 40-45 kg/cum density
13160.	GI wire netting 3/4" x 24 G	M2	29.90	1	7052	GI wire netting 3/4" x 24 G
13180.	Wall mounted water closet	EA	6,325.00	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13200.	White Vetrious China Waterless Urinal	EA	10,350.00	1	7074	White Vetrious China Waterless Urinal
13210.	Cistern with fittings for Waterless Urin	EA	2,530.00	1	7075	Cistern with fittings for Waterless Urinal
13220.	White Vetrious Urinal (infrared sensor o	EA	5,175.00	1	7076	White Vetrious Urinal (battery based infrared sensor operated - 610x390x370mm)
13230.	Chemical ASTMC-type I	KG	109.25	1	7178	Chemical ASTMC-type I
13240.	Waste plastic additive	MT	43,815.00	1	7280	Waste plastic additive
13250.	Chemical ASTMC-type II	KG	178.25	1	7281	Chemical ASTMC-type II
13260.	M.S. pipe 150 mm dia casing pipe	M	1,294.90	1	7743	M.S. pipe 150 mm dia casing pipe
13270.	M.S. pipe 200 mm dia casing pipe	M	1,610.00	1	7744	M.S. pipe 200 mm dia casing pipe
13310.	M.S. cap 200 mm dia	EA	230.00	1	7748	M.S. cap 200 mm dia
13280.	PVC blind pipe 150 mm dia as per IS: 128	M	563.50	1	7745	PVC blind pipe 150 mm dia as per IS: 12818
13290.	PVC blind pipe 200 mm dia as per IS: 128	M	805.00	1	7746	PVC blind pipe 200 mm dia as per IS: 12818
13300.	M.S. cap 150 mm dia	EA	172.50	1	7747	M.S. cap 150 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13320.	M.S bail plug 150 mm dia	EA	230.00	1	7749	M.S bail plug 150 mm dia
13330.	M.S bail plug 200 mm dia	EA	253.00	1	7750	M.S bail plug 200 mm dia
13340.	PVC slotted pipe 150 mm dia as per IS: 1	M	575.00	1	7751	PVC slotted pipe 150 mm dia as per IS: 12818
13350.	PVC slotted pipe 200 mm dia as per IS: 1	M	931.50	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	897.00	1	7757	M.S. pipe 100 mm dia casing pipe
13410.	uPVC blind pipe 100 mm dia as per IS: 12	M	465.75	1	7758	uPVC blind pipe 100 mm dia as per IS: 12818
13450.	Precast R.C.C. perforated slab	EA	1,006.25	1	7762	Precast R.C.C. perforated slab
13420.	uPVC slotted pipe 100 mm dia as per IS:	M	488.75	1	7759	uPVC slotted pipe 100 mm dia as per IS: 12818
13430.	M.S. cap 100 mm dia	EA	155.25	1	7760	M.S. cap 100 mm dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13440.	M.S. bail plug 100 mm dia	EA	184.00	1	7761	M.S. bail plug 100 mm dia
13460.	Water supply tanker of 5000 litre capaci	EA	1,725.00	1	7763	Water supply tanker of 5000 litre capacity
13470.	M.S. socket 100 mm dia	EA	143.75	1	7764	M.S. socket 100 mm dia
13480.	M.S. socket 150 mm dia	EA	235.75	1	7765	M.S. socket 150 mm dia
13490.	M.S. socket 200 mm dia	EA	304.75	1	7766	M.S. socket 200 mm dia
13500.	Stone cleaning chemical approved by ASI	L	310.50	1	7767	Stone cleaning chemical approved by ASI
13510.	Water repallent chemical approved by ASI	L	1,265.00	1	7768	Water repallent chemical approved by ASI
13520.	Stone surface strengthening chemical app	L	960.25	1	7769	Stone surface strengthening chemical approved by ASI
13530.	Turpentine oil	L	57.50	1	7770	Turpentine oil
13540.	Liquid Amonia 5%	L	166.75	1	7771	Liquid Amonia 5%
13550.	Pea Gravel	M3		1	7772	Pea Gravel
13590.	Galvanised Steel main Tee ceiling sectio	EA	161.00	1	8590	Galvanised Steel main Tee ceiling section Size 24 x 38 x 0.33 mm (3 metre long)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13560.	Sodium pentachlorophenate	KG	575.00	1	7775	Sodium pentachlorophenate
13570.	Factory made door frame of size 50x47mm	M	343.55	1	8014	Factory made door frame of size 50x47mm with wall thickness 5 mm made of single piecs extr
13580.	Calcium Silicate tegular edged celling t	M2	787.75	1	8589	Calcium Silicate tegular edged celling tiles 595x595 mm and 15 mm thick
13600.	Galvanised Steel perimeter wall Angle Si	EA	103.50	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	51.75	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	25.30	1	8593	Galvanised Steel intermediate cross T section Size 24 x 25 x 0.33 mm (0.6 metre long)
13630.	Galvanised Steel soffit cleat size 25x35	EA	5.18	1	8594	Galvanised Steel soffit cleat size 25x35x1.60 mm
13640.	Wooden screws with plastic rawl plugs 35	EA	1.15	1	8595	Wooden screws with plastic rawl plugs 35x8 mm
13650.	GI Metal Tile Clip in Plain Beveled edge	M2	816.50	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	M2	920.00	1	8598	GI Metal Tile Clip in Perforated Beveled edge global white

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Beveled					colour tiles of size 600x600 mm
13670.	G.I Metal Tile Lay-in plain Tegular edge	M2	718.75	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	845.25	1	8600	GI Metal Tile Lay-in Perforated Tegular edge global white color tiles of Size 595x595 mm a
13720.	C Wall angle section 20x30x20x0.50 mm-3m	M	126.50	1	8605	C Wall angle section 20x30x20x0.50 mm (3.00 meter long)
13690.	PVC Laminated Gypsum Tiles (Square edge)	M2	1,012.00	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	437.00	1	8602	Polished Porcelain floor tiles 50x50 cm
13710.	Spring T-section 24x34x0.45mm-3m	M	253.00	1	8604	Spring T-section 24x34x0.45 mm (3.00 meter long)
13730.	Main C Carrier Size 10x38x10x0.70 mm-3m	M	149.50	1	8606	Main C Carrier Size 10x38x10x0.70 mm (3.00 meter long)
13740.	Spring T-connector	EA	5.75	1	8607	Spring T-connector
13750.	C Carrier Connector	EA	13.80	1	8608	C Carrier Connector
13760.	C Suspension Clip	EA	11.50	1	8609	C Suspension Clip

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13770.	Wire Coupling Clip	EA	11.50	1	8610	Wire Coupling Clip
13780.	Epoxy Grout	KG	437.00	1	8682	Epoxy Grout
13790.	30mm th solid PVC profile panelled door	M2	2,415.00	1	8709	30mm thick factory made solid PVC profile panelled doort single piece extruded profile dec
13800.	30 mm thick factory made solid PVC profi	M2	2,300.00	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	304.75	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	2,639.25	1	8735	35 mm thick factory made solid panel PVC door shutter of single piece extruded profile non
13860.	Fire rated door shuttere made with 16 SW	M2	5,407.30	1	8739	Fire rated door shuttere made with 16 SWG G.I. sheet(60 minutes) without panel
13830.	35mm th solid panel PVC door decorative	M2	3,113.05	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	474.95	1	8737	Stainless steel wire guage (Grade-304) aperture 1.4mm and 0.50 mm dia wire

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
13850.	Factory made door frame fire rated (60	ONE	1,221.30	1	8738	Factory made door frame fire rated (60 minutes) made with 16 SWG G.I. Sheet of section 14
13870.	Fire seal putty	KG	349.60	1	8740	Fire seal putty
13880.	Clear fire resistant glass panes 6mm thi	M2	24,725.00	1	8741	Clear fire resistant glass panes 6mm thick (60 minutes)
13890.	G.I. U beading of 16 SWG G.I. sheet (zin	M	348.45	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	80.50	1	8743	Matrix Mineral Board
13910.	Panic Bar / latch (Double point)	EA	5,980.00	1	8744	Panic Bar / latch (Double point)
13920.	65x55x mm th Factory made door frame of	M	418.60	1	8745	65mm x 55mm x 2mm thick Factory made door frame of PVC extruded section in white,grey or w
13930.	37mm th Fac made shutter panels of PVC e	M2	2,850.85	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	474.95	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	M2	3,108.45	1	8748	37 mm thick Factory made fusion welded shutter with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	welded shutt					style, rails and panels of PVC extruded section in wooden finish .
13990.	Zn alloy rollers for uPVC door	EA	120.75	1	8753	Zinc alloy rollers for uPVC door
13960.	Zn alloy (white powder coated) casement	EA	149.50	1	8750	Zinc alloy (white powder coated) casement handle for uPVC windows
13970.	Zn alloy (white powder coated) Touch Loc	EA	131.10	1	8751	Zinc alloy (white powder coated) Touch Lock for uPVC windows
13980.	Zn alloy rollers for uPVC windows	EA	69.00	1	8752	Zinc alloy rollers for uPVC windows
14000.	Zn alloy (white powder coated) casement	EA	126.50	1	8754	Zinc alloy (white powder coated) casement lock for uPVC windows
14010.	SS friction hinge200mmx19x1.9mm for uPVC	EA	243.80	1	8755	Stainless steel friction hinge of size 200 mm x 19 x 1.9 mm for uPVC windows
14020.	SS friction hinge250mmx19x1.9mm for uPVC	EA	272.55	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	299.00	1	8757	Stainless steel friction hinge of size 300 mm x 19 x 1.9 mm for uPVC windows
14040.	SS friction hinge350mmx19x1.9mm	EA	415.15	1	8758	Stainless steel friction hinge of size 350 mm x 19 x 1.9

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	for uPVC					mm for uPVC windows
14050.	SS friction hinge400mmx19x1.9mm for uPVC	EA	419.75	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) "
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)
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
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)
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	M		1	8765	uPVC extruded profile casement window Frame (67 mm x

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	67mmx62mm					62 mm)
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 uPVC	M	42.55	1	8772	Aluminium Track on bottom rail for uPVC window
14190.	Wool Pine for uPVC window	M	23.00	1	8773	Wool Pine for uPVC window
14200.	Aluminium Grill (anodised)	KG	320.85	1	8774	Aluminium Grill (anodised)
14210.	Steel Glvd tubular reinf: uPVC Door/W	M	71.30	1	8775	Steel Galvanised tubular reinforcement for uPVC door/ window

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
14220.	Stainless steel dash fastener of 8mm dia	EA	19.55	1	8776	Stainless steel dash fastener of 8 mm dia and 75 mm long bolt
14260.	Plastic sheath,1.25 mm thick for dowel b	M2	28.75	1	0369	Plastic sheath,1.25 mm thick for dowel bars
14230.	Toughened glass 12 mm thickness	M2	2,012.50	1	8778	Toughened glass 12 mm thickness
14240.	Separation Membrane of impermeable plast	M2	13.80	1	0323	Separation Membrane of impermeable plastic sheeting 125 micron thick
14250.	Curing compound	L	43.70	1	0349	Curing compound
14270.	Sealant primer	KG	149.50	1	0371	Sealant primer
14280.	Pre moulded Joint filler, 25 mm thick fo	M2	460.00	1	0374	Pre moulded Joint filler, 25 mm thick for expansion joint.
14290.	18 mm thick Flamed finish granite stone	M2	1,150.00	1	1239	18 mm thick Flamed finish granite stone slab
14300.	18 mm thick Italian Marble stone slab, P	M2	3,690.35	1	1240	18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 m2).
14310.	Glass mossaic tiles (20 mm x 20 mm x 4 m	M2	2,356.35	1	1242	Glass mossaic tiles (20 mm x 20 mm x 4 mm)
14320.	Tile fixing chemical adhesive	KG	10.01	1	1243	Tile fixing chemical adhesive
14330.	Cement Polymer Grout Compound	KG	14.95	1	1244	Cement Polymer Grout Compound

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
14340.	Acid for cleaning tiles	L	20.70	1	1245	Acid for cleaning tiles
14350.	RCC pipe 450 mm dia NP-3 spigot	M	1,725.00	1	1728	RCC pipe 450 mm dia NP-3 spigot
14360.	RCC pipe 600 mm dia NP-3 spigot	M	2,300.00	1	1729	RCC pipe 600 mm dia NP-3 spigot
14400.	RCC pipe 1800 mm dia NP-3 spigot	M	10,867.50	1	1733	RCC pipe 1800 mm dia NP-3 spigot
14370.	RCC pipe 900 mm dia NP-3 spigot	M	3,651.25	1	1730	RCC pipe 900 mm dia NP-3 spigot
14380.	RCC pipe 1000 mm dia NP-3 spigot	M	4,502.25	1	1731	RCC pipe 1000 mm dia NP-3 spigot
14390.	RCC pipe 1200 mm dia NP-3 spigot	M	5,980.00	1	1732	RCC pipe 1200 mm dia NP-3 spigot
14410.	RCC pipe 450 mm dia NP-4 spigot	M	2,012.50	1	1734	RCC pipe 450 mm dia NP-4 spigot
14420.	RCC pipe 600 mm dia pipe NP-4 spigot	M	2,702.50	1	1735	RCC pipe 600 mm dia pipe NP-4 spigot
14430.	RCC pipe 900 mm dia pipe NP-4 spigot	M	5,175.00	1	1736	RCC pipe 900 mm dia pipe NP-4 spigot
14440.	RCC pipe 1000 mm dia pipe NP-4 spigot	M	6,405.50	1	1737	RCC pipe 1000 mm dia pipe NP-4 spigot
14450.	RCC pipe 1200 mm dia pipe NP-4 spigot	M	7,486.50	1	1738	RCC pipe 1200 mm dia pipe NP-4 spigot

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
14460.	RCC pipe 1800 mm dia pipe NP-4 spigot	M	15,697.50	1	1739	RCC pipe 1800 mm dia pipe NP-4 spigot
14470.	Complete Roof Joint of 100 mm	M	3,348.80	1	2399	Complete Roof Joint of 100 mm
14480.	Complete Roof Joint of 150 mm	M	3,827.20	1	2400	Complete Roof Joint of 150 mm
14490.	Complete Roof Joint of 200 mm	M	4,784.00	1	2401	Complete Roof Joint of 200 mm
14500.	Epoxy adhesive	KG	179.40	1	2402	Epoxy adhesive
14540.	Wall Joint of 100 mm	M	2,842.80	1	2409	Wall Joint of 100 mm
14510.	Floor Joint of 100 mm	M	3,671.95	1	2403	Floor Joint of 100 mm
14520.	Floor Joint of 150 mm	M	4,738.00	1	2404	Floor Joint of 150 mm
14530.	Floor Joint of 200 mm	M	6,396.30	1	2405	Floor Joint of 200 mm
14550.	Wall Joint of 150 mm	M	3,316.60	1	2410	Wall Joint of 150 mm
14560.	Wall Joint of 200 mm	M	3,988.20	1	2411	Wall Joint of 200 mm
14570.	FS800H Grade Flooring Panel	EA	851.00	1	2711	FS800H Grade Flooring Panel
14580.	Zinc Electroplated Pedestals - 300	EA	166.75	1	2712	Zinc Electroplated Pedestals - 300 mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	mm					
14590.	Zinc Electroplated Pedestals - 450 mm	EA	241.50	1	2713	Zinc Electroplated Pedestals - 450 mm
14600.	Zinc Electroplated Tube Stinger	EA	80.50	1	2714	Zinc Electroplated Tube Stinger
14610.	Machine Screw for Fixing	EA	3.45	1	2715	Machine Screw for Fixing
14620.	High Albedo paint	KG	247.25	1	7238	High Albedo paint
14660.	Coloured inter locking C.C. paver Block	M2	488.75	1	7773	Coloured inter locking C.C. paver Block
14630.	Resin Bonded Rockwool 48 kg/m3	M2	126.50	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	2,185.00	1	7296	Granite stone slab 30mm thick
14670.	Stone size 10x10x7.50cm	EA	10.35	1	7774	Stone size 10x10x7.50cm
14680.	Tactile tile	M2	920.00	1	7893	Tactile tile
14690.	Matt finished vitrified tile 100x100 x16	M2	1,046.50	1	7895	Matt finished vitrified tile 100x100 x16mm
14700.	Vitrified tile	M2	517.50	1	7896	Vitrified tile

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14710.	8mm thick Calcium silicate perforated ti	M2	977.50	1	8784	8mm thick Calcium silicate perforated tiles of size 595 x595mm
14720.	8 mm thick tapered edge calcium silicate	M2	557.75	1	8785	8 mm thick tapered edge calcium silicate board
14730.	6 mm thick heavy duty fiber cement board	M2	540.50	1	0238	
14740.	8mm thick heavy duty fiber cement board	M2	345.00	1	0239	
14750.	9 mm thick heavy duty fiber cement board	M2	718.75	1	0240	
14760.	12.5 mm thick Gypsum plaster board	M2	195.50	1	0241	
14800.	light wt compositewall/roof panel 75mm t	M2	907.35	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
14770.	6 mm thick wood particle board	M2	224.25	1	0242	6 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276
14780.	8 mm thick wood particle board	M2	247.25	1	0243	8 mm thick mulitipurpose cement bonded wood particle board conforming to IS : 14276
14790.	light wt compositewall/roof panel 50mm t	M2	729.10	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						thick) confirming to IS 14862:2000
14810.	2mm thick sim pad	EA	11.50	1	0246	
14820.	5mm thick sim pad	EA	17.25	1	0247	
14830.	10mm thick sim pad	EA	28.75	1	0248	
14840.	Bitumen felt as per IS 7193 Grade II	M2	92.00	1	0319	
14850.	Integral crystalline slurry	KG	224.25	1	351	
14860.	Integral crystalline admixture	KG	264.50	1	352	
14870.	Crystalline mortar	KG	218.50	1	353	
14880.	Integral crystalline dry shake	KG	322.00	1	354	
14890.	Swellable type water stop tape	M	373.75	1	355	
14900.	Primer for swellable type water stoptape	L	1,495.00	1	356	
14940.	SS grade 304bracket C.Rod 20 mm 1.20mm t	EA	52.90	1	456	Stainless steel SS grade 304, brackets (curtain rod) 20 mm dia1.20mm thick
14910.	Polymer modified adhesive mortar	KG	16.10	1	357	
14920.	SS grade 304,curtain rod 20dia,1.20mm t	M	143.75	1	454	Stainless steel SS grade 304 , curtain rod 20 mm dia 1.20mm thick
14930.	SS grade 304,curtain rod 25dia,1.20mm t	M	195.50	1	455	Stainless steel SS grade 304 , curtain rod 25 mm dia 1.20mm thick
14950.	SS grade 304bracket C.Rod 25 mm 1.20mm t	EA	63.25	1	457	Stainless steel SS grade 304, brackets (curtain rod) 25 mm dia1.20mm thick
14960.	plastic sleeves for screw	EA	2.30	1	458	
14970.	75mm SS fancy handles for kitchencabinet	EA	293.25	10	0552	75mm SS fancy handles for kitchen cabinet

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
14980.	100mm SS fancyhandles for kitchencabinet	EA	523.25	10	0553	100mm SS fancy handles for kitchen cabinet
14990.	125mm SS fancyhandles for kitchencabinet	EA	736.00	10	0554	125mm SS fancy handles for kitchen cabinet
15000.	C.P. Brass Extension Nipple 1/2"x2" size	EA	46.00	1	0593	C.P. Brass Extension Nipple (1/2"x2" size)
15010.	Calcium silicate base compound for joint	KG	29.90	1	0764	Calcium silicate base compound for jointing calcium silicate tiles
15020.	White cement based polymer	KG	17.25	1	0772	White cement based polymer modified self curing compound in powder form
15030.	Exterior primer	KG	1.15	1	0809	
15040.	acrylic dirt resistance,Siliconext paint	L	310.50	1	836	100% Premium acrylic dirt resistance, Silicone additives exterior paint
15080.	Erection Bolts(Min4 no for each element)	EA	28.75	1	1027	Erection Bolts (Minimum 04 nos for each element)
15050.	Acrylic Exterior Primer	L	115.00	1	837	
15060.	FY-1860 grade wire strands	QTL	6,555.00	1	993	
15070.	Pregalvanized high tensile steel	KG	103.50	1	1012	Pregalvanized high tensile steel confirming to IS:277-199
15090.	Marandi wood in planks	CD3	506.00	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	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	
15220.	Moisture cure Polyurethane Foam	ML	690.00	750	1254	
15190.	M-60 grade cemetitious grout Non Shrink	KG	32.20	1	1251	M-60 grade cemetitious grout (Non Shrink)
15200.	Cementitious polymer base adhesive	KG	39.10	1	1252	Cementitious polymer base adhesive confirming to EOTA ETAG 004 (European Technical Approval)
15210.	Polypropylene mech fastener100 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
15230.	PVC Corner Bead of size 25mmx25mm	M	103.50	1	1255	PVC Corner Bead of size 25mmx25mm fixed with glass fibre mesh (100mm x 100mm
15240.	Cementitious polymer base coat	KG	46.00	1	1256	Cementitious polymer base coat confirming to EOTA ETAG 004 (European Technical Approval
15250.	Fiberglass mesh mesh size: 3.9x4.0 mm ±1	M2	86.25	1	1257	Fiberglass mesh with alkali-resistant coating having mass per unit area ?145 g/m2, mesh size: 3.9x4.0 mm ±10%
15260.	8 mm diaC.P. Brass/S.S.Jet with flextube	EA	230.00	1	1313	8 mm dia C.P. Brass/ S.S. Jet with flexible tube upto 1 metre long with S.S. tringular plate for Eureopean type W.C.
15270.	50mmx50mm hardwood plug	EA	57.50	1	1316	
15280.	Dismenteled P or S trap scrap	KG	28.75	1	1880	Dismenteled P or S trap scrap (approx wt 2kg)
15290.	Centrifugally SCI(spun) S & S P or Strap	EA	373.75	1	1890	Centrifugally SCI(spun) S & S P or S trap

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
15300.	20 mm dia Gunmetal gate valve with wheel	EA	373.75	1	1926	
15310.	Floor mounted white vi.china double trap	EA	11,270.00	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	7,038.00	1	2415	21mm thick clear toughened Laminated glass for fins with holes
15360.	Pre-laminated Grade-I MDF Board 12mm thk	M2	504.85	1	2487	Pre-laminated with decorative lamination one side and other side balancing lamination exterior Grade-I MDF Board 12 mm thick confirming to IS:14587
15330.	Pre-laminated Grade-I MDF Board 12mm thk	M2	539.35	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	700.35	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	1,008.55	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
15370.	Pre-laminated Grade-I MDF Board 18mm thk	M2	669.30	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	24.15	1	2489	PVC edge bending tape 2.00 mm thick
15390.	Prelaminated solid foam uPVC 45x20mm	M	154.10	1	2491	

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15400.	Solid foam uPVC sheet 20mm thick	M2	2,475.95	1	2492	Solid foam uPVC sheet 20mm thick pre laminated on both side
15410.	PVC edge beading	M	36.80	1	2493	
15420.	Expandable fastner with plastic sleeve	EA	6.90	1	2494	
15430.	Weather/str.nonsag elastomeric PUsealant	EA	624.45	1	2604	Weather/structural non sag elastomeric PU sealant (600ml Sausage) for joints in RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum/ Alluminium work complying to ASTM C920, DIN 18540-F & ISO 11600 incl all taxes
15440.	Structural sealant - 6 mm x 12 mm	M	35.65	1	2605	
15450.	Spacer tape 6.4 mm thick x 6 mm wide	M	24.15	1	2606	
15490.	Silicon Gasket in Kg (Above 50 g / m)	KG	556.60	1	2610	
15460.	Weather Sealant - Non Staining (600 ml)	EA	381.80	1	2607	
15470.	Weather Sealant - Normal (300 ml)	EA	117.30	1	2608	
15480.	MS Brackets/Aluminium Alloy Brackets	KG	119.60	1	2609	
15500.	EPDM Gasket in Kg (Above 60 g / m)	KG	179.40	1	2611	
15510.	Anchor Fastner - M10	EA	12.65	1	2612	
15520.	SS Bolt with washer of different sizes	EA	42.55	1	2613	SS Bolt with washer of different sizes for structural glazing / ACP Cladding
15530.	SS Screws of sizes for	EA	4.60	1	2614	SS Screws of sizes for structural glazing / ACP Cladding

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	structuralglazing					
15540.	Protective Tape	M	25.30	1	2615	
15550.	GI flashing - 1.2 mm Thick	KG	70.15	1	2616	
15560.	6 mm thick High performance glass	M2	1,184.50	1	2617	
15570.	6 mm thick clear heat strengthened glass	M2	770.50	1	2618	
15580.	6 mm thick clear heat strengthened glass	EA	151.80	1	2619	
15590.	ARMS GS HD - Top Hung -20"-Type P-Couple	EA	1,598.50	1	2620	ARMS GS HD - Top Hung -20"- Type P- Couple
15630.	Corner drive for vision glass panel	EA	299.00	1	2624	
15600.	Connection Block for vision glass panel	EA	41.40	1	2621	
15610.	Curtain wall striker for vision glass	EA	100.05	1	2622	Curtain wall striker for vision glass panel
15620.	AdjustableFastening Pawl for visionglass	EA	41.40	1	2623	Adjustable Fastening Pawl for vision glass panel
15640.	Top wedge Block for vision glass panel	EA	140.30	1	2625	
15650.	Glass wool of denisity @ 48 Kg / cum	M2	293.25	1	2626	Glass wool of denisity @ 48 Kg / cum with black glass tissue (BGT)
15660.	SS Screws - # 8 x 19	EA	8.05	1	2627	
15670.	Weather Sealant - DC 789	CAR	143.75	1	2628	
15680.	Cement Board	M2	281.75	1	2629	
15690.	Baker rod	M	6.90	1	2630	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
15700.	4 mm thick ACP	M2	1,265.00	1	2631	
15710.	Fire Stop	M	552.00	1	2632	
15720.	GI/Aluminium Sheet (0.8 mm thick)	KG	63.25	1	2634	
15730.	GI Screws of gauge 10, length 25 mm	EA	3.62	1	2635	GI Screws of gauge 10, length 25 mm for fixing cement fibre board to C section
15770.	G.I U beading of 1.6 mm thick G.I sheet	M	287.50	1	2641	G.I U beading of 1.6 mm thick G.I sheet with ceramic tape.
15740.	GI Screws of gauge 10, length 45 mm	EA	3.57	1	2636	GI Screws of gauge 10, length 45 mm for fixing cement fibre board to C section
15750.	Vapour barrier	M2	207.00	1	2637	
15760.	fire resistant glass panes min 11 mm thk	M2	29,325.00	1	2640	Clear.toughned interlayed,non-wired fire resistant glass panes of minimum 11 mm thickness (120 minutes fire rating)
15780.	Ceramic tape 5 x20 mm size	M	460.00	1	2642	
15790.	Galvanized Fe(1.6±0.2mm)thk reiforcement	M	80.50	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
15800.	Galvanized Fe(1.6±0.2mm)thk reiforcement	M	86.25	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 reiforcement	M	115.00	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 reiforcement	M	103.50	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	17.25	1	3995	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
15840.	SS pipe 304 grades Std 48.6 mm outer dia	M	782.00	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	575.00	1	5743	
15860.	Self tapping pan head screw 13 x 3.2 mm	NO	552.00	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	172.50	1	7026	Fibre joint tape 50 mm wide (90 metre) roll
15910.	Glass wool 50 mm thick	M2	230.00	1	7274	
15880.	Nickel plated M.S. pipe 25 mm dia	M	87.40	1	7033	
15890.	Bottle Trap	EA	713.00	1	7121	
15900.	CP Brass Single levertelephonic W mixer	EA	5,175.00	1	7122	CP Brass Single lever telephonic wall mixer of approved make
15920.	Lock Bar (E 250) - 10 thick MS Plate	KG	87.40	1	7336	
15930.	GFRG Panel of 124 mm thick	M2	971.75	1	7368	
15940.	12mmdia50mm long wedge typedash fastener	EA	8.05	1	7383	12 mm dia 50 mm long wedge type expanded zinc alloy dash fastener
15950.	Spigot for standard jointing	KG	46.00	1	7387	
15960.	Base Jack	EA	166.75	1	7397	
15970.	Challies	EA	879.75	1	7398	
15980.	Cup locks	EA	55.20	1	7399	
15990.	iron pipes 100 mm dia (3000 mm length)	M	805.00	1	7621	Hubless centrifugally cast (spun) iron pipes as per IS 15905 - 100 mm dia (3000 mm length pipe)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
16000.	iron pipe75 mm dia (3000 mm length pipe)	M	655.50	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	264.50	1	7623	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 -100 mm dia
16050.	Fe single equalplain junction100x100x100	EA	460.00	1	7627	Hubless centrifugally cast (spun) iron single equal plain junction as per IS 15905 - 100x100x100 mm dia
16020.	iron plain bend 75 mm dia	EA	184.00	1	7624	Hubless centrifugally cast (spun) iron plain bend as per IS 15905 -75 mm dia
16030.	Fe double equal junction100x100x100x100	EA	586.50	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	316.25	1	7626	Hubless centrifugally cast (spun) iron double equal plain junction as per IS 15905 - 75x75x75x75 mm dia
16060.	Fe single equalplain junction75x75x75x75	EA	247.25	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	460.00	1	7629	Hubless centrifugally cast (spun) iron double unequal plain junction as per IS 15905 - 100x100x75x75 mm dia
16080.	Fesingle unequal plainjunction100x100x75	EA	431.25	1	7630	Hubless centrifugally cast (spun) iron single unequal plain junction as per IS 15905 -100x100x75 mm dia
16090.	Fedoubleequalinvertbranch100x100 x100x100	EA	718.75	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	448.50	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	299.00	1	7633	Hubless centrifugally cast (spun) iron single equal plain invert branch as per IS 15905 - 75x75x75 mm dia
16120.	Fesingle unequal	EA	494.50	1	7634	Hubless centrifugally cast (spun) iron single unequal plain

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	invertbranch100x100x75					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
16180.	iron bend with access door - 75 mm dia	EA	333.50	1	7640	Hubless centrifugally cast (spun) iron bend with access door - 75 mm dia as per IS 15905
16150.	iron 130 mm offset with 100 mm dia pipe	EA	506.00	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	356.50	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	419.75	1	7639	Hubless centrifugally cast (spun) iron bend with access door - 100 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	621.00	1	7642	Hubless centrifugally cast (spun) iron trap with 100 mm inlet and 100 mm outlet as per IS 15905
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	316.25	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	287.50	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	M2	339.25	1	7776	Concrete paver block of grade M-30 made of C&D waste

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	60mm thk					(60mm thickness)
16250.	Chemical Rust Remover	L	281.75	1	7911	
16260.	Hire charges Drill machine upto 30mm dia	DAY	184.00	1	7912	
16270.	Epoxy	KG	672.75	1	7913	
16280.	SBR Polymer	KG	201.25	1	7914	
16320.	25mm thick cement concrete shotcrete	M2	126.50	1	7918	25mm thick cement concrete shotcrete(guniting) with compressor
16290.	Woven PVC cloth	M2	28.75	1	7915	
16300.	Hire charges of sand blasting equipment	DAY	517.50	1	7916	
16310.	Hire charges of compressure	DAY	747.50	1	7917	
16330.	50mm thick cement concrete shotcrete	M2	201.25	1	7919	50mm thick cement concrete shotcrete(guniting) with compressor
16340.	75mm thick cement concrete shotcrete	M2	322.00	1	7920	75mm thick cement concrete shotcrete(guniting) with compressor
16350.	Adhesive chemical	ML	2.30	1	7921	
16360.	Bitof drilling machine Hole upto30mm dia	EA	575.00	1	7922	
16370.	GI injection nipple 12mm dia, 75mm long	EA	51.75	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	92.00	1	7925	L shaped 100mm long, 10mm dia mild steel shear key

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
16400.	Welding chargesof shear key	EA	2.30	1	7926	Welding charges of shear key to existing reinforcement
16410.	Acrylic Polymer chemical for cracks	KG	35.65	1	7927	
16420.	Hire charges of Plant and machinery	DAY	115.00	1	7928	Hire charges of Plant and machinery, it can inject - 350kg/day
16460.	Factory made EPS wall/roofpanel 50mm thk	M2	845.54	1	7996	Factory made EPS light weight composite sandwitched 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). Theouterface 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.
16430.	Shear loops (6mm dia GI wire rope) 6 no	EA	241.50	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	165.60	1	7930	dowel tubes (Corrugated GI pipes 50 to 80mm dia) (For horizontal joints)
16450.	Hooks for lifting 2.5 tonne capacity	EA	310.50	1	7931	Hooks for lifting (Alloy steel) having 2.5 tonne capacity
16470.	Factory made EPS wall/roofpanel 60mm thk	M2	971.75	1	7997	Factory made EPS light weight composite sandwitched wall/roof panel (60mm 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
16480.	Factory made EPS wall/roofpanel	M2	1,235.63	1	7998	Factory made EPS light weight composite sandwitched

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	75mm thk					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	1,458.20	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/roofpanel100mm thk	M2	1,739.23	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 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	1,897.50	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						by the zig zag G.I. wire of 3 mm dia at alternate row by welding.
16520.	Expanded poly ethylene Foam sheet4mm thk	M2	23.00	1	8015	Expanded poly ethylene Foam sheet 4mm thick of Density 40kg/m3
16530.	HDEPE Foam 1mm thick	M2	11.50	1	8016	High Density expanded poly ethylene (EPE) Foam 1mm thick
16540.	Fire rated door frame made(1.6 mm GI)	M	1,380.00	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	6,900.00	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	103.50	1	8019	GI sheet 0.8 mm thick confirming to IS 277:1992
16600.	Bamboo wood door reducer 14mm t 1900x44m	M	293.25	1	8023	Bamboo wood door reducer 14mm thick of size 1900mm x 44mm
16570.	Factory made EPS Core wall /roof panel	M2	690.00	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	3,990.50	1	8021	Bamboo wood Tile Flooring 14mm thick of minimum size 1800mm x 130mm
16590.	Bamboo wood Qtr Round 18mm t 1900mmx18mm	M	132.25	1	8022	Bamboo wood Quarter Round 18mm thick of size 1900mm x 18mm
16610.	Bamboo wood Skirting 14mm t 1900mmx85mm	M2	345.00	1	8024	Bamboo wood Skirting 14mm thick of Size 1900mm x 85mm
16620.	Bamboo TileWall Cladding 10mm t	M2	3,910.00	1	8025	Bamboo wood Tile Wall Cladding 10mm thick of size

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	1900x135					1900mm x 135mm
16630.	Bamboo wood T-mold 14mm thick	M	287.50	1	8026	Bamboo wood T-mold 14mm thick of size 1900mm x 44mm
16640.	Bamboo wood Threshold 14mm thick	M	293.25	1	8027	Bamboo wood Threshold 14mm thick of size 1900mm x 44mm
16650.	Bamboo wood shutter of doors	CD3	1,955.00	10	8028	
16660.	Bamboo wood panelling (10mm thick)	CD3	1,932.00	10	8029	
16670.	Superior class Bamboo wood Dframe 65mm t	CD3	1,926.25	10	8030	Superior class Bamboo wood door frame 65 mm thick,
16680.	Aluminium sheets Grade 5052, 4 mm thick	M2	9,775.00	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	13,225.00	1	8032	Aluminium sheets Grade 5052, 4 mm thick for Internal Corner/Column Corners/ (for form work)
16730.	soldier tie 370mm	EA	333.50	1	8036	
16700.	Aluminium sheets Grade 5052, 4 mm thick	M2	36,800.00	1	8033	Aluminium sheets Grade 5052, 4 mm thick for Mid Soldier/End soldier (for form work)
16710.	External corner 2050 mm	EA	1,610.00	1	8034	
16720.	External corner 825 mm	EA	678.50	1	8035	
16740.	Adjustable prop-2.0 x2.0 m	EA	1,380.00	1	8037	
16750.	Pin-50	EA	17.25	1	8038	
16760.	Pin-127	EA	63.25	1	8039	
16770.	wedge	EA	16.10	1	8040	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
16780.	wall tie-150 (355 mm)	EA	51.75	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	425.50	1	8044	
16820.	Wall Attached Bracket 600x1000mm	EA	1,138.50	1	8045	
16830.	Allignment Pipe - 3.00 Mtr.	EA	1,150.00	1	8046	
16870.	Debit Pin - 250mm	EA	69.00	1	8050	
16840.	Allignment Bracket	EA	552.00	1	8047	
16850.	Tie Rod for Bracket - 500mm	EA	138.00	1	8048	
16860.	Anchor Wing Nut Ø100 mm	EA	74.75	1	8049	
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	34.50	1	8053	
16910.	Flat Washer Ø16, 3mm thik	EA	5.75	1	8054	
16920.	Bolt+Nut - 16 x 30 mm	EA	20.70	1	8055	
16930.	Door spacer 45x45x5-1135mm Long	EA	419.75	1	8056	
16940.	Door spacer 45x45x5 - 985mm long	EA	368.00	1	8057	
16950.	SS ball bearing of size 100 x89x3mm	EA	517.50	1	8101	
16960.	Zinc alloy (white powder coated)3D Hinge	EA	523.25	1	8116	Zinc alloy (white powder coated) 3D Hinges for uPVC door
16970.	Zinc alloy (white powder coated)	EA	3,030.25	1	8117	Zinc alloy (white powder coated) handles with zinc plated

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	handles					mild steel multi point locking having transmission gear, cylinder with keeps and one side key for uPVC casement door
17010.	casement window sash/window size 47x68mm	M	357.65	1	8122	uPVC extruded (small series) casement window sash/window mullion size 47x68 mm
16980.	Zinc alloy (white powder coated) handles	EA	1,765.25	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	1,454.75	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	322.00	1	8121	uPVC extruded (small series) casement window frame size 47x50mm
17020.	uPVC extruded bead forcasement W Sash	M	115.00	1	8125	uPVC extruded glazing bead of appropriate dimension for small series casement window Sash
17030.	uPVC extruded casement window frame	M	403.65	1	8126	uPVC extruded (big series) casement window frame size 67x60 mm
17040.	uPVC extruded casement door frame	M	455.40	1	8127	uPVC extruded (big series) casement door frame size 67x64 mm
17050.	uPVC extruded casement Wsash/W/D mullion	M	539.35	1	8128	uPVC extruded (big series) casement window sash/window mullion/door mullion size 67x80 mm
17060.	uPVC extruded casement door sash	M	653.20	1	8129	uPVC extruded (big series) casement door sash size 67x110 mm
17070.	uPVC extruded glazing bead casement W/D	M	155.25	1	8130	uPVC extruded glazing bead of appropriate dimension for big series casement window/door sash
17080.	glazing bead for small series sliding	M	75.90	1	8131	uPVC extruded glazing bead of appropriate dimension for

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	W					small series sliding window sash
17090.	glazing bead for Big series sliding W/D	M	97.75	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	361.10	1	8133	uPVC extruded (small series) 2 track sliding window frame size 52x44 mm
17140.	small series 2 track sliding window sash	M	334.65	1	8137	uPVC extruded (small series) 2 track sliding window sash/3 track sliding window sash size 32x60mm
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	480.70	1	8135	uPVC extruded (small series) 3 track sliding window frame size 92x44 mm
17130.	big series 3 track sliding W/door frame	M	670.45	1	8136	uPVC extruded (big series) 3 track sliding window/door frame size 116x45mm
17150.	big series 2 track sliding window sash	M	410.55	1	8138	uPVC extruded (big series) 2 track sliding window sash size 46x62mm
17160.	big series 3 track sliding window sash	M	411.70	1	8139	uPVC extruded (big series) 3 track sliding window sash size 46x62mm
17170.	uPVC extruded interlock small series W	M	101.20	1	8140	uPVC extruded interlock of appropriate dimension for small series sliding window sash
17180.	uPVC extruded interlock big series W/D	M	112.70	1	8141	uPVC extruded interlock of appropriate dimension for big series sliding window/ door sash
17190.	uPVC extruded inline adaptorbigseriesW/D	M	112.70	1	8142	uPVC extruded inline adaptor of appropriate dimension for big series sliding window/door sash
17200.	uPVC extruded2/3track sliding D sash	M	442.75	1	8143	uPVC extruded 2 track sliding door sash/ 3 track sliding door sash (big series) size 46x82mm

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
17210.	Bamboo Mat corrugated sheets3.5 to4mm t	M2	3,045.20	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	2,955.50	1	8145	Bamboo Mat Ridge cap 3.5 to 4mm thick conforming to IS 15476:2004
17230.	3mm thick Bamboo Mat Board	M2	1,734.20	1	8146	3mm thick Bamboo Mat Board conforming to IS 13958:1994
17270.	12mm thick Bamboo Mat Board	M2	3,582.25	1	8150	12 mm thick Bamboo Mat Board conforming to IS 13958:1994
17240.	4mm thick Bamboo Mat Board	M2	1,998.70	1	8147	4mm thick Bamboo Mat Board conforming to IS 13958:1994
17250.	6mm thick Bamboo Mat Board	M2	2,412.70	1	8148	6mm thick Bamboo Mat Board conforming to IS 13958:1994
17260.	9mm thick Bamboo Mat Board	M2	3,091.20	1	8149	9 mm thick Bamboo Mat Board conforming to IS 13958:1994
17280.	Concealed zinc coated hinges 19-20mm thk	NO	529.00	10	8226	Concealed zinc coated hinges 19-20 mm thick with mounting plate
17290.	PPR Union 20 mm	EA	69.00	1	8306	
17300.	PPR Union 25 mm	EA	126.50	1	8307	
17310.	PPR Union 32 mm	EA	172.50	1	8308	
17320.	PPR Union 40 mm	EA	253.00	1	8309	
17330.	PPR Union 50 mm	EA	471.50	1	8310	
17340.	PPR Union 63 mm	EA	632.50	1	8311	
17350.	PPR Union 75 mm	EA	1,265.00	1	8312	
17360.	Water for jetting / blowback	L	1,725.00	1,000	8500	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
17370.	Fibrereinforced liquidwater proofing mem	L	264.50	1	8511	Fibre reinforced elastomeric liquid water proofing membrane
17410.	Galavanised MS 8 mm OD M-6 D fastener	EA	48.30	1	8515	Galavanised MS 8 mm outer diameter M-6 dash fastener 50mm long
17380.	Cementitious water proofing coating	KG	258.75	1	8512	Cementitious water proofing coating with elastic polymers
17390.	Acrylic modified resin based texture	KG	48.30	1	8513	
17400.	40 mm long S.S screws with plastic plug	EA	48.30	1	8514	40 mm long S.S screws with plastic rawl plugs
17420.	ZMB 60/equivalent	KG	126.50	1	8516	
17430.	ZMB thinner	L	253.00	1	8517	
17440.	Zycoprime / equivalent	L	264.50	1	8518	
17450.	Zycosil / equivalent	L	2,070.00	1	8519	
17460.	Elastobar / equivalent	KG	345.00	1	8520	
17470.	ceiling tiles 595 x595mm,16 mm thick	M2	960.25	1	8552	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick
17480.	tegular edged ceiling tiles 595 x595m	M2	1,063.75	1	8553	Mineral fibre beveled tegular edged ceiling tiles 595 x595mm,16 mm thick with bio-block conforming to ISO 5 (class 100) specifications.
17490.	ceiling tiles 595 x595mm,20 mm thick.	M2	1,201.75	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	218.50	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	89.70	1	8556	G.I cross-T 15 x32 mm of 1200 mm length, 0.33 mm thick
17550.	Non staining water resistant clear	M	80.50	1	8560	Non staining water resistant clear silicon

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Si					
17520.	G.I cross-T 15 x32 mm of 600 mm length,	EA	40.25	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	29.90	1	8558	G.I hanger rod 6mm dia fully threaded upto 1000 mm length
17540.	SS U Channel of size (50x25x2mm)	M	184.00	1	8559	Stainless steel U Channel of size (50x25x2mm)
17560.	Extrudedpolystyrene insulationboard 50mm	M2	632.50	1	8561	Extruded polystyrene rigid insulation board 50 mm thick
17570.	ExpandedPolystyrene insulationboard120mm	M2	948.75	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	833.75	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	1,035.00	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	31.05	1	8565	Galavanised MS hanger rod 6 mm dia MS fully threaded up to 1000 mm length
17610.	T ceiling sections 15x42x.4mm (3000mm L)	EA	299.00	1	8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)
17620.	M.S perimeter wall angle22x19x0.40 mm	EA	143.75	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	120.75	1	8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)
17640.	G.I cross-T section 15x42x.4mm(600 mm L)	EA	57.50	1	8569	Powder coated Galvanized Iron intermediate cross-T section 15x42x0.40mm (600 mm long)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
17680.	GI Intermediate T section 25x25x.3mm	EA	40.25	1	8573	GI Intermediate cross T section 25x25x0.3 mm (0.6 metre long)
17650.	GI Main T ceiling section 30x25x0.3 mm	EA	241.50	1	8570	GI Main T ceiling section 30x25x0.3 mm (3 metre long
17660.	GI Perimeter wall angle 25x25x0.4 mm	EA	195.50	1	8571	GI Perimeter wall angle 25x25x0.4 mm (3 metre long)
17670.	GI Intermediate T section 25x25x.3mm	EA	92.00	1	8572	GI Intermediate cross T section 25x25x0.3 mm (1.2 metre long)
17690.	GI intermediate T section wire 3mm dia	M2	230.00	1	8576	Powder coated Galvanized Iron intermediate cross-T section wire diameter 3.00 mm).
17700.	Crates made of Mesh type 10x12 mm	M2	287.50	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	333.50	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	161.00	1	8579	Cold form light gauge Steel C-section of thickness 0.75mm i/c zink coating/sliting etc.
17730.	Wastage of cold form light gauge steel	KG	20.70	1	8580	
17740.	tegularedge semiperforated GRG F.ceiling	M2	632.50	1	8581	12 mm thick micro tegular edged semi perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm
17750.	tegularedge fullyperforated GRG F.celing	M2	690.00	1	8582	12 mm thick micro tegular edged fully perforated GRG (Glass Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm
17760.	10 mm t sq.edge fully	M2	862.50	1	8583	10 mm thick square edge fully perforated GRG(Glass

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	perforatedF.celing					Fibre Reinforced Gypsum) false celing tiles of Size 595x595 mm
17770.	GI T section 15x32x0.33 mm 600mm L	EA	42.55	1	8587	Galvanized iron intermediate cross-T section 15x32x0.33 mm (600mm long)
17810.	SS pipe 304 grades 48.60 mm outer dia	M	713.00	1	8701	SS pipe 304 grades with press fit technology as per JIS 3448 standard 48.60 mm outer dia
17780.	Galavanised MS hanger rod 6mm diameter	EA	32.20	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	40.25	1	8596	Galvanised MS 8mm outer diameter M-6 dash fastener 25mm long
17800.	MS L-shape level adjuster size85x25x2 mm	EA	17.25	1	8619	Galavanised MS L-shape level adjuster of size 85x25x2 mm
17820.	Coupling/Socket for 15.88mm OD SS pipe	EA	69.00	1	8702	Coupling/Socket fittings for 15.88 mm outer dia SS pipe
17830.	Zn alloy touch lock forwire mesh shutter	EA	152.95	1	8749	Zinc alloy (white powder coated) touch lock with hook for wire mesh shutter
17840.	GI Fastener 100x8 mm	EA	17.25	1	8777	
17850.	SS pipe 304 grades standard 15.88 mm OD	M	161.00	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	287.50	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	356.50	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	505.43	1	8782	SS pipe 304 grades with press fit technology as per JIS 3448 standard 34.00 mm outer dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
17890.	SS pipe 304 grades standard 42.70 mm OD	M	517.50	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	80.50	1	8786	Coupling/Socket fittings for 22.22 mm outer dia SS pipe
17940.	Coupling/Socket for 48.60 mm OD SS pipe	EA	207.00	1	8790	Coupling/Socket fittings for 48.60 mm outer dia SS pipe
17910.	Coupling/Socket for 28.58 mm OD SS pipe	EA	110.69	1	8787	Coupling/Socket fittings for 28.58 mm outer dia SS pipe
17920.	Coupling/Socket for 34.00 mm OD SS pipe	EA	155.25	1	8788	Coupling/Socket fittings for 34.00 mm outer dia SS pipe
17930.	Coupling/Socket for 42.70 mm OD SS pipe	EA	184.00	1	8789	Coupling/Socket fittings for 42.70 mm outer dia SS pipe
17950.	Reducer for 22.22 mm X 15.88mm OD SSpipe	EA	124.20	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 SSpipe	EA	175.38	1	8792	Reducer for 28.58 mm X 15.88 mm outer Dia SS pipe
17970.	Reducer for 28.58 mm X 22.22mm OD SSpipe	EA	185.73	1	8793	Reducer for 28.58 mm X 22.22 mm outer Dia SS pipe
17980.	Reducer for 34.00 mm X 15.88mm OD SSpipe	EA	230.00	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	241.50	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	241.50	1	8796	Reducer for 34.00 mm X 28.58 mm outer Dia SS pipe
18010.	Reducer for 42.70 mm X 15.88mm	EA	431.25	1	8797	Reducer for 42.70 mm X 15.88 mm outer Dia SS pipe

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	OD SSpipe					
18020.	Reducer for 42.70 mm X 22.22mm OD SSpipe	EA	431.25	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	448.50	1	8799	Reducer for 42.70 mm X 28.58 mm outer Dia SS pipe
18070.	Reducer for 48.60 mm X 28.58mm OD SSpipe	EA	488.75	1	8803	Reducer for 48.60 mm X 28.58 mm outer Dia SS pipe
18040.	Reducer for 42.70 mm X 34.0mm OD SSpipe	EA	448.50	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	488.75	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	488.75	1	8802	Reducer for 48.60 mm X 22.22 mm outer Dia SS pipe
18080.	Reducer for 48.60 mm X 34.00mm OD SSpipe	EA	488.75	1	8804	Reducer for 48.60 mm X 34.00 mm outer Dia SS pipe
18090.	Reducer for48.60 mm X 42.70mm OD SSpipe	EA	488.75	1	8805	Reducer for48.60 mm X 42.70 mm outer Dia SS pipe
18100.	Slip Coupling / Socket 15.88mm OD SSpipe	EA	63.25	1	8806	Slip Coupling / Socket 15.88 mm outer dia SS pipe
18110.	Slip Coupling / Socket 22.2mm OD SSpipe	EA	80.50	1	8807	Slip Coupling / Socket 22.22 mm outer dia SS pipe
18120.	Slip Coupling / Socket 28.58mm OD SSpipe	EA	109.25	1	8808	Slip Coupling / Socket 28.58 mm outer dia SS pipe
18130.	Slip Coupling / Socket 34.00mm OD SSpipe	EA	155.25	1	8809	Slip Coupling / Socket 34.00 mm outer dia SS pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
18140.	Slip Coupling / Socket 42.70mm OD SSpipe	EA	184.00	1	8810	Slip Coupling / Socket 42.70 mm outer dia SS pipe
18150.	Slip Coupling / Socket 48.60mm OD SSpipe	EA	201.25	1	8811	Slip Coupling / Socket 48.60 mm outer dia SS pipe
18160.	Elbow 90° for 15.88 mm outer dia SS pipe	EA	74.75	1	8812	Elbow 90° for 15.88 mm outer dia SS pipe
18200.	Elbow 90° for 42.70 mm outer dia SS pipe	EA	149.50	1	8816	
18170.	Elbow 90° for 22.22 mm outer dia SS pipe	EA	80.50	1	8813	
18180.	Elbow 90° for 28.58 mm outer dia SS pipe	EA	120.75	1	8814	
18190.	Elbow 90° for 34.00 mm outer dia SS pipe	EA	138.00	1	8815	
18210.	Elbow 90° for 48.60 mm outer dia SS pipe	EA	184.00	1	8817	
18220.	R.Elbow 90° 22.22 mmX15.88mm OD SS pipe	EA	172.50	1	8818	Reducing Elbow 90° for 22.22 mm X 15.88 mm outer dia SS pipe
18230.	R.Elbow 90° 28.58 mmX15.88mm OD SS pipe	EA	241.50	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	287.50	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	339.25	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	EA	402.50	1	8822	Reducing Elbow 90° for 34.00 mm X 28.58 mm outer dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	OD SS pipe					SS pipe
18270.	R.Elbow 90° 42.70 mmX34.00mm OD SS pipe	EA	218.50	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	201.25	1	8824	
18290.	Equal Tee for 22.22 mm outer dia SS pipe	EA	287.50	1	8825	
18330.	Equal Tee for 48.60 mm outer dia SS pipe	EA	1,052.25	1	8829	
18300.	Equal Tee for 28.58 mm outer dia SS pipe	EA	339.25	1	8826	
18310.	Equal Tee for 34.00 mm outer dia SS pipe	EA	506.00	1	8827	
18320.	Equal Tee for 42.70 mm outer dia SS pipe	EA	799.25	1	8828	
18340.	ReducingTee for 22.22X15.88mm OD SS pipe	EA	212.75	1	8830	Reducing Tee for 22.22 mm X15.88 mm outer dia SS pipe
18350.	ReducingTee for 28.58X15.88mm OD SS pipe	EA	333.50	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	333.50	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	506.00	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	506.00	1	8834	Reducing Tee for 34.00 mm X22.22 mm outer dia SS pipe

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
18390.	ReducingTee for 34.00X28.58mm OD SS pipe	EA	506.00	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	793.50	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	793.50	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	793.50	1	8838	Reducing Tee for 42.70 mm X28.58 mm outer dia SS pipe
18460.	ReducingTee for 48.60X28.58mm OD SS pipe	EA	1,029.25	1	8842	Reducing Tee for 48.60 mm X28.58 mm outer dia SS pipe
18430.	ReducingTee for 42.70X34.00mm OD SS pipe	EA	793.50	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	1,029.25	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	1,029.25	1	8841	Reducing Tee for 48.60 mm X22.22 mm outer dia SS pipe
18470.	ReducingTee for 48.60X34.00mm OD SS pipe	EA	1,029.25	1	8843	Reducing Tee for 48.60mm X 34.00 mm outer dia SS pipe
18480.	ReducingTee for 48.60X42.70mm OD SS pipe	EA	1,029.25	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	212.75	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	247.25	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	EA	247.25	1	8847	Stainless steel Male thread Tee for 22.22 mm outer dia X

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	mm nom.dia					20 mm nominal dia threaded
18520.	SSMale thread T 28.58 mmODX15 mm nom.dia	EA	339.25	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	339.25	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	339.25	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
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
18560.	SSMale thread T 34.00 mmODX20 mm nom.dia	EA	534.75	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	534.75	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	534.75	1	8854	Stainless steel Male thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded
18600.	SSMale thread T 42.70 mmODX20 mm nom.dia	EA	816.50	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	816.50	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	816.50	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	816.50	1	8859	Stainless steel Male thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
18640.	SSMale thread T 48.60 mmODX15 mm nom.dia	EA	1,029.25	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	1,029.25	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	1,029.25	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	1,029.25	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	1,029.25	1	8864	Stainless steel Male thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded
18720.	SSFemale thread T 22.22mmODX20mm nom.dia	EA	235.75	1	8868	Stainless steel Female thread Tee for 22.22 mm outer dia X 20 mm nominal dia threaded
18690.	SSMale thread T 48.60 mmODX50 mm nom.dia	EA	1,029.25	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	212.75	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	235.75	1	8867	Stainless steel Female thread Tee for 22.22 mm outer dia X 15 mm nominal dia threaded
18730.	SSFemale thread T 28.58mmODX15mm nom.dia	EA	316.25	1	8869	Stainless steel Female thread Tee for 28.58 mm outer dia X 15 mm nominal dia threaded
18740.	SSFemale thread T 28.58mmODX20mm nom.dia	EA	316.25	1	8870	Stainless steel Female thread Tee for 28.58 mm outer dia X 20 mm nominal dia threaded
18750.	SSFemale thread T 28.58mmODX25mm nom.dia	EA	316.25	1	8871	Stainless steel Female thread Tee for 28.58 mm outer dia X 25 mm nominal dia threaded
18760.	SSFemale thread T	EA	511.75	1	8872	Stainless steel Female thread Tee for 34.00 mm outer dia

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	34.00mmODX15mm nom.dia					X 15 mm nominal dia threaded
18770.	SSFemale thread T 34.00mmODX20mm nom.dia	EA	511.75	1	8873	Stainless steel Female thread Tee for 34.00 mm outer dia X 20 mm nominal dia threaded
18780.	SSFemale thread T 34.00mmODX25mm nom.dia	EA	511.75	1	8874	Stainless steel Female thread Tee for 34.00 mm outer dia X 25 mm nominal dia threaded
18790.	SSFemale thread T 34.00mmODX32mm nom.dia	EA	511.75	1	8875	Stainless steel Female thread Tee for 34.00 mm outer dia X 32 mm nominal dia threaded
18800.	SSFemale thread T 42.70mmODX15mm nom.dia	EA	805.00	1	8876	Stainless steel Female thread Tee for 42.70 mm outer dia X 15 mm nominal dia threaded
18810.	SSFemale thread T 42.70mmODX20mm nom.dia	EA	805.00	1	8877	Stainless steel Female thread Tee for 42.70 mm outer dia X 20 mm nominal dia threaded
18850.	SSFemale thread T 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
18820.	SSFemale thread T 42.70mmODX25mm nom.dia	EA	805.00	1	8878	Stainless steel Female thread Tee for 42.70 mm outer dia X 25 mm nominal dia threaded
18830.	SSFemale thread T 42.70mmODX32mm nom.dia	EA	805.00	1	8879	Stainless steel Female thread Tee for 42.70 mm outer dia X 32 mm nominal dia threaded
18840.	SSFemale thread T 42.70mmODX40mm nom.dia	EA	805.00	1	8880	Stainless steel Female thread Tee for 42.70 mm outer dia X 40 mm nominal dia threaded
18860.	SSFemale thread T 48.60mmODX20mm nom.dia	EA	1,040.75	1	8882	Stainless steel Female thread Tee for 48.60 mm outer dia X 20 mm nominal dia threaded
18870.	SSFemale thread T 48.60mmODX25mm nom.dia	EA	1,040.75	1	8883	Stainless steel Female thread Tee for 48.60 mm outer dia X 25 mm nominal dia threaded
18880.	SSFemale thread T 48.60mmODX32mm nom.dia	EA	1,040.75	1	8884	Stainless steel Female thread Tee for 48.60 mm outer dia X 32 mm nominal dia threaded

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
18890.	SSFemale thread T 48.60mmODX40mm nom.dia	EA	1,040.75	1	8885	Stainless steel Female thread Tee for 48.60 mm outer dia X 40 mm nominal dia threaded
18900.	SSFemale thread T 48.60mmODX50mm nom.dia	EA	1,040.75	1	8886	Stainless steel Female thread Tee for 48.60 mm outer dia X 50 mm nominal dia threaded
18910.	SSConnector/adapter 15.88ODX15mm nom.dia	EA	224.25	1	8887	Stainless steel Female threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded
18920.	SSConnector/adapter 22.22ODX15mm nom.dia	EA	264.50	1	8888	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded
18930.	SSConnector/adapter 22.22ODX20mm nom.dia	EA	276.00	1	8889	Stainless steel Female threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded
18940.	SSConnector/adapter 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
18980.	SSConnector/adapter 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
18950.	SSConnector/adapter 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/adapter 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/adapter 34.00ODX25mm nom.dia	EA	471.50	1	8893	Stainless steel Female threaded Connector/Adapter for 34.00 mm outer dia X 25 mm nominal threaded
18990.	SSConnector/adapter 42.70ODX32mm nom.dia	EA	684.25	1	8895	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded
19000.	SSConnector/adapter 42.70ODX40mm nom.dia	EA	799.25	1	8896	Stainless steel Female threaded Connector/Adapter for 42.70 mm outer dia X 40 mm nominal threaded
19010.	SSConnector/adapter	EA	971.75	1	8897	Stainless steel Female threaded Connector/Adapter for

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	48.60ODX40mm nom.dia					48.60 mm outer dia X 40 mm nominal threaded
19020.	SSConnector/adapter 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 15.88ODX15mm nom.dia	EA	224.25	1	8899	Stainless steel Male threaded Connector/Adapter for 15.88 mm outer dia X 15 mm nominal threaded
19040.	SSMale threaded C/A 22.22ODX15mm nom.dia	EA	264.50	1	8900	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 15 mm nominal threaded
19050.	SSMale threaded C/A 22.22ODX20mm nom.dia	EA	293.25	1	8901	Stainless steel Male threaded Connector/Adapter for 22.22 mm outer dia X 20 mm nominal threaded
19060.	SSMale threaded C/A 28.58ODX20mm nom.dia	EA	373.75	1	8902	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 20 mm nominal threaded
19070.	SSMale threaded C/A 28.58ODX25mm nom.dia	EA	373.75	1	8903	Stainless steel Male threaded Connector/Adapter for 28.58 mm outer dia X 25 mm nominal threaded
19110.	SSMale threaded C/A 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
19080.	SSMale threaded C/A 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 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
19100.	SSMale threaded C/A 42.70ODX32mm nom.dia	EA	746.35	1	8906	Stainless steel Male threaded Connector/Adapter for 42.70 mm outer dia X 32 mm nominal threaded
19120.	SSMale threaded C/A 48.60ODX40mm nom.dia	EA	977.50	1	8908	Stainless steel Male threaded Connector/Adapter for 48.60 mm outer dia X 40 mm nominal threaded
19130.	SSMale threaded C/A 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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
19140.	SS ValveConnector 15.88mmODX15mm nom.dia	EA	270.25	1	8910	Stainless steel Valve Connector for 15.88 mm outer dia X 15 mm nominal dia threaded
19150.	SS ValveConnector 22.22mmODX15mm nom.dia	EA	322.00	1	8911	Stainless steel Valve Connector for 22.22 mm outer dia X 15 mm nominal dia threaded
19160.	SS ValveConnector 22.22mmODX20mm nom.dia	EA	356.50	1	8912	Stainless steel Valve Connector for 22.22 mm outer dia X 20 mm nominal dia threaded
19170.	SS ValveConnector 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 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 42.70mmODX40mm nom.dia	EA	1,012.00	1	8915	Stainless steel Valve Connector for 42.70 mm outer dia X 40 mm nominal dia threaded
19200.	SS ValveConnector 48.60mmODX50mm nom.dia	EA	1,391.50	1	8916	Stainless steel Valve Connector for 48.60 mm outer dia X 50 mm nominal dia threaded
19230.	SS FemaleTh Elbow 22.22mmODX20mm nom.dia	EA	247.25	1	8919	Stainless steel Female Threaded Elbow 90o for 22.22 mm outer dia X 20 mm nominal dia threaded
19210.	SS FemaleTh Elbow 15.88mmODX15mm nom.dia	EA	184.00	1	8917	SS Female Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded
19220.	SS FemaleTh Elbow 22.22mmODX15mm nom.dia	EA	247.25	1	8918	Stainless steel Female Threaded Elbow 90o for 22.22 mm outer dia X 15 mm nominal dia threaded
19240.	SS FemaleTh Elbow 28.58mmODX25mm nom.dia	EA	247.25	1	8920	Stainless steel Female Threaded Elbow 90o for 28.58 mm outer dia X 25 mm nominal dia threaded
19250.	SS FemaleTh Elbow 34.00mmODX32mm nom.dia	EA	339.25	1	8921	Stainless steel Female Threaded Elbow 90o for 34.00 mm outer dia X 32 mm nominal dia threaded
19260.	SS FemaleTh Elbow	EA	552.00	1	8922	Stainless steel Female Threaded Elbow 90o for 42.70 mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	42.70mmODX32mm nom.dia					outer dia X 32 mm nominal dia threaded
19270.	SS FemaleTh Elbow 42.70mmODX40mm nom.dia	EA	552.00	1	8923	Stainless steel Female Threaded Elbow 90o for 42.70 mm outer dia X40 mm nominal dia threaded
19280.	SS FemaleTh Elbow 48.60mmODX40mm nom.dia	EA	816.50	1	8924	Stainless steel Female Threaded Elbow 90o for 48.60 mm outer dia X 40 mm nominal dia threaded
19290.	SS FemaleTh Elbow 48.60mmODX50mm nom.dia	EA	816.50	1	8925	Stainless steel Female Threaded Elbow 90o for 48.60 mm outer dia X 50 mm nominal dia threaded
19300.	SS maleTh Elbow90o15.88mmODX15mm nom.dia	EA	224.25	1	8926	Stainless steel Male Threaded Elbow 90o for 15.88 mm outer dia X 15 mm nominal dia threaded
19310.	SS maleTh Elbow90o22.22mmODX15mm nom.dia	EA	258.75	1	8927	Stainless steel Male Threaded Elbow 90o for 22.22 mm outer dia X15 mm nominal dia threaded
19320.	SS maleTh Elbow90o22.22mmODX20mm nom.dia	EA	258.75	1	8928	Stainless steel Male Threaded Elbow 900 for 22.22 mm outer dia X20 mm nominal dia threaded
19330.	SS maleTh Elbow90o28.58mmODX25mm nom.dia	EA	258.75	1	8929	Stainless steel Male Threaded Elbow 900 for 28.58 mm outer dia X25 mm nominal dia threaded
19370.	SS maleTh Elbow90o42.70mmODX40mm nom.dia	EA	552.00	1	8933	Stainless steel Male Threaded Elbow 900 for 42.70 mm outer dia X40 mm nominal dia threaded
19340.	SS maleTh Elbow90o34.00mmODX25mm nom.dia	EA	333.50	1	8930	Stainless steel MaleThreaded Elbow 900 for 34.00 mm outer dia X25 mm nominal dia threaded
19350.	SS maleTh	EA	333.50	1	8931	Stainless steel Male Threaded Elbow 900 for 34.00 mm

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Elbow90o34.00mmODX32mm nom.dia					outer dia X32 mm nominal dia threaded
19360.	SS maleTh Elbow90o42.70mmODX32mm nom.dia	EA	552.00	1	8932	Stainless steel Male Threaded Elbow 900 for 42.70 mm outer dia X32 mm nominal dia threaded
19380.	SS maleTh Elbow90o48.60mmODX40mm nom.dia	EA	799.25	1	8934	Stainless steel Male Threaded Elbow 900 for 48.60 mm outer dia X40 mm nominal dia threaded
19390.	SS maleTh Elbow90o48.60mmODX50mm nom.di	EA	799.25	1	8935	Stainless steel Male Threaded Elbow 900 for 48.60 mm outer dia X50 mm nominal dia threaded
19400.	Stainless steel Cap for 15.88 mm OD pipe	EA	55.20	1	8936	Stainless steel Cap for 15.88 mm outer dia pipe
19410.	Stainless steel Cap for 22.22 mm OD pipe	EA	80.50	1	8937	Stainless steel Cap for 22.22 mm outer dia pipe
19420.	Stainless steel Cap for 28.58 mm OD pipe	EA	103.50	1	8938	Stainless steel Cap for 28.58 mm outer dia pipe
19430.	Stainless steel Cap for 34.00 mm OD pipe	EA	201.25	1	8939	Stainless steel Cap for 34.00 mm outer dia pipe
19440.	Stainless steel Cap for 42.70 mm OD pipe	EA	287.50	1	8940	Stainless steel Cap for 42.70 mm outer dia pipe
19450.	Stainless steel Cap for 48.60 mm OD pipe	EA	373.75	1	8941	Stainless steel Cap for 48.60 mm outer dia pipe
19460.	SS Pipe Bridge for 15.88 mm OD pipe	EA	253.00	1	8942	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe
19500.	2 Point facade glass bracket	NO	1,907.85	1	8946	2 Point facade glass bracket (wall mounted with out flat

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						head bolt)
19470.	SS Pipe Bridge for 15.88 mm OD pipe	EA	333.50	1	8943	Stainless steel Pipe Bridge for 15.88 mm outer dia pipe
19480.	SS Pipe Bridge for 28.58 mm OD pipe	EA	477.25	1	8944	Stainless steel Pipe Bridge for 28.58 mm outer dia pipe
19490.	4 Point facade glass bracket	NO	3,815.70	1	8945	4 Point facade glass bracket without flat head bolts
19510.	1 Point facade glass bracket	NO	1,495.00	1	8947	1 Point facade glass bracket (wall mounted with out flat head bolt)
19520.	Flate head bolt for brackets	NO	748.65	1	8948	Flate head bolt for brackets of spider glazing
19530.	400 mm long fin plate without fastners	PAA	6,820.65	1	8949	
19540.	Micro Silica	KG	32.20	1	8953	
19550.	Stop end tubes for diaphragmwall .6m dia	M2	5.18	1	8954	Stop end tubes for diaphragmwall 600 mm dia.
19560.	Drivingend tubefor diaphragmwall .6m dia	M2	82.80	1	8955	Driving end tubes for diaphragm wall 600 mm dia.
19570.	Extruded GeoGrids Min T.Strength15KN/m	M2	138.00	1	8956	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 15 kN/m in the longitudinal and transverse direction
19580.	Extruded GeoGrids Min T.Strength20KN/m	M2	155.25	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	235.75	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	333.50	1	8959	Bi-Axial Extruded GeoGrids of Minimum Tensile Strength 40kN/m in the longitudinal and transverse direction
19640.	Syn.Geogrid Ultimate	M2	241.50	1	8963	Synthetic Geogrid Ultimate tensile strength- 150 kN/m

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	T.Strength150 KN/m					
19610.	Geosynthetic Drainage 740 gsm	M2	609.50	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	724.50	1	8961	Geosynthetic Drainage Composite having thermobonding a draining core - HDPE geonet comprises of two sets of parallel overlayed 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	230.00	1	8962	Synthetic Geogrid having Ultimate tensile strength- 100 kN/m
19650.	Syn. Geogrid Ultimate T.Strength200 KN/m	M2	391.00	1	8964	Synthetic Geogrid Ultimate tensile strength- 200 kN/m
19660.	Syn. Geogrid Ultimate T.Strength250 KN/m	M2	402.50	1	8965	Synthetic Geogrid Ultimate tensile strength- 250 kN/m
19670.	Syn. Geogrid Ultimate T strength300KN/m	M2	414.00	1	8966	Synthetic Geogrid Ultimate tensile strength- 300kN/m

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
19680.	Syn. Geogrid Ultimate T strength350KN/m	M2	425.50	1	8967	Synthetic Geogrid Ultimate tensile strength- 350kN/m
19690.	Syn. Geogrid Ultimate T strength400KN/m	M2	517.50	1	8968	Synthetic Geogrid Ultimate tensile strength- 400kN/m
19700.	Syn. Geogrid Ultimate T strength500KN/m	M2	575.00	1	8969	Synthetic Geogrid Ultimate tensile strength- 500kN/m
19710.	Syn. Geogrid UltimateT strength600KN/m	M2	632.50	1	8970	Synthetic Geogrid Ultimate tensile strength- 600kN/m
19720.	Syn.Geogrid Ultimate T strength700KN/m	M2	747.50	1	8971	Synthetic Geogrid Ultimate tensile strength- 700kN/m
19730.	Syn. Geogrid UltimateT strength800KN/m	M2	833.75	1	8972	Synthetic Geogrid Ultimate tensile strength- 800kN/m
19770.	Syn.Geogrid Ultimate T strength1200KN/m	M2	1,207.50	1	8976	Synthetic Geogrid Ultimate tensile strength- 1200kN/m
19740.	Syn. Geogrid Ultimate T strength900KN/m	M2	977.50	1	8973	Synthetic Geogrid Ultimate tensile strength- 900kN/m
19750.	Syn.Geogrid Ultimate T strength1000KN/m	M2	1,092.50	1	8974	Synthetic Geogrid Ultimate tensile strength- 1000kN/m
19760.	Syn.Geogrid Ultimate T strength1100KN/m	M2	1,150.00	1	8975	Synthetic Geogrid Ultimate tensile strength- 1100kN/m
19780.	Aluminium profile sheet 0.71mm thk	M2	690.00	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	902.75	1	8978	Aluminium profile industrial troughed sheet of Alloy 31500/31000/40800, conforming to IS 1254, IS 737, IS

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,840.00	1	9001	C.P. Brass Centre Hole Basin Mixer With Cast Spout
19810.	"Border tiles 200x75mm size	EA	18.40	1	8624	
01 : CARRAGE OF MATERIALS						
10.	Mech.Carriage:0-1km: Bldg rubbish	M3	107.89	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	123.25	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	138.36	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	152.92	1	1.1.1D	:Carriage of material by mechanical transport including loading unloading and stacking: Lime, moorum, building rubbish: Beyond 3KM and Upto 4KM
50.	Mech.Carriage:0-5km: Bldg rubbish	M3	166.99	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	12.81	1	1.1.1F	:Extra on Item 1.1.1.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	Schudle Line No.	Detail Description
70.	Mech.Carriage:10-20km: Bldg rubbish	CUK	10.65	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	8.92	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	134.86	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	154.06	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	172.95	1	1.1.2C	:Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 2KM and Upto 3KM
120.	Mech.Carriage:0-4km: Earth	M3	191.16	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	208.74	1	1.1.2E	:Carriage of material by mechanical transport including loading unloading and stacking: Earth: Beyond 4KM and Upto 5KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
140.	Mech.Carriage:5-10km: Earth	CUK	16.02	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	13.31	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	11.15	1	1.1.2H	:Extra on Item 1.1.2.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)
200.	Mech.Carriage:0-4km: Manure or sludge	M3	166.22	1	1.1.3D	:Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 3KM and Upto 4KM
170.	Mech.Carriage:0-1km: Manure or sludge	M3	117.27	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	133.96	1	1.1.3B	:Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 1KM and Upto 2KM
190.	Mech.Carriage:0-3km: Manure or sludge	M3	150.39	1	1.1.3C	:Carriage of material by mechanical transport including loading unloading and stacking: Manure or sludge: Beyond 2KM and Upto 3KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
210.	Mech.Carriage:0-5km: Manure or sludge	M3	181.51	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	13.93	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	11.57	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	9.70	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 rock	M3	215.77	1	1.1.4A	Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Upto 1KM
260.	Mech.Carriage:0-2km: Excavated rock	M3	246.49	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	276.72	1	1.1.4C	:Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 2KM and Upto 3KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
280.	Mech.Carriage:0-4km: Excavated rock	M3	305.85	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	333.98	1	1.1.4E	:Carriage of material by mechanical transport including loading unloading and stacking: Excavated rock: Beyond 4KM and Upto 5KM
330.	Mech.Carriage:0-1km: Aggregate <40mm	M3	107.89	1	1.1.5A	:Carriage of material by mechanical transport including loading unloading and stacking: Sand, stone aggregate below 40mm nominal size: Upto 1KM
300.	Mech.Carriage:5-10km: Excavated rock	CUK	25.63	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	21.29	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)
320.	Mech.Carriage:>20km: Excavated rock	CUK	17.85	1	1.1.4H	:Extra on Item 1.1.4.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)
340.	Mech.Carriage:0-2km: Aggregate <40mm	M3	123.25	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
350.	Mech.Carriage:0-3km: Aggregate <40mm	M3	138.36	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	152.92	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	166.99	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	12.81	1	1.1.5F	:Extra on Item 1.1.5.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM
390.	Mech.Carriage:10-20km: Aggregate <40mm	CUK	10.65	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	8.92	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	117.27	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	M3	133.96	1	1.1.6B	:Carriage of material by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	>40mm					loading unloading and stacking: Stone aggregate 40mm nominal size and above: Beyond 1KM and Upto 2KM
460.	Mech.Carriage:5-10km: Aggregate >40mm	CUK	13.93	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)
430.	Mech.Carriage:0-3km: Aggregate >40mm	M3	150.39	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	166.22	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	181.51	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
470.	Mech.Carriage:10-20km: Aggregate >40mm	CUK	11.57	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	9.70	1	1.1.6H	:Extra on Item 1.1.6.G for Carriage of material on every additional KM: Beyond 20KM(Rate: Cum/KM)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
490.	Mech.Carriage:0-1km: Soling stone	M3	126.93	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	145.00	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	162.77	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	179.91	1	1.1.7D	:Carriage of material by mechanical transport including loading unloading and stacking: Soling stone: Beyond 3KM and Upto 4KM
530.	Mech.Carriage:0-5km: Soling stone	M3	196.46	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	15.08	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	12.53	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
590.	Mech.Carriage:0-3km: Bricks	EA	0.37	1	1.1.8C	:Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 2KM and Upto 3KM
560.	Mech.Carriage:>20km: Soling stone	CUK	10.50	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	0.29	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	0.33	1	1.1.8B	:Carriage of material by mechanical transport including loading unloading and stacking: Bricks: Beyond 1KM and Upto 2KM
600.	Mech.Carriage:0-4km: Bricks	EA	0.41	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	0.45	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	0.03	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	0.02	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	0.17	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	0.20	1	1.1.9B	:Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 1KM and Upto 2KM
670.	Mech.Carriage:0-3km: Bricks Tiles	EA	0.22	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	0.24	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	0.27	1	1.1.9E	:Carriage of material by mechanical transport including loading unloading and stacking: Brick tiles : Beyond 4KM and Upto 5KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	0.01	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	95.90	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
740.	Mech.Carriage:0-2km: Cem/StoneBlocks etc	TON	109.55	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: Cem/StoneBlocks etc	TON	122.99	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:	TON	135.93	1	1.1.10D	:Carriage of material by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Cem/StoneBlocks etc					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: Cem/StoneBlocks etc	TON	148.44	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	11.39	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	9.46	1	1.1.10G	:Extra on Item 1.1.10.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM
800.	Mech.Carriage:>20km:Cem/StoneBlocks etc	TPM	7.93	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	95.90	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	109.55	1	1.1.11B	:Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 1KM and Upto 2KM
860.	Mech.Carriage:5-10km: Steel	TPM	11.39	1	1.1.11F	:Extra on Item 1.1.11.E for Carriage of material on every

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						additional KM: Beyond 5KM and Upto 10KM
830.	Mech.Carriage:0-3km: Steel	TON	122.99	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	135.93	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	148.44	1	1.1.11E	:Carriage of material by mechanical transport including loading unloading and stacking: Steel : Beyond 4KM and Upto 5KM
870.	Mech.Carriage:10-20km: Steel	TPM	9.46	1	1.1.11G	:Extra on Item 1.1.11.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM
880.	Mech.Carriage:>20km: Steel	TPM	7.93	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	123.30	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	140.85	1	1.1.12B	:Carriage of material by mechanical transport including loading unloading and stacking: Timber : Beyond 1KM and Upto 2KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
910.	Mech.Carriage:0-3km: Timber	M3	158.12	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	174.77	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	190.85	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	14.64	1	1.1.12F	:Extra on Item 1.1.12.E for Carriage of material on every additional KM: Beyond 5KM and Upto 10KM6
950.	Mech.Carriage:10-20km: Timber	CUK	12.17	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	10.20	1	1.1.12H	:Extra on Item 1.1.12.G for Carriage of material on every additional KM: Beyond 20KM(Rate CUM/KM)
1000.	Mech.Carriage:0-4km: Tar Bitumen	TON	152.92	1	1.1.13D	:Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 3KM and Upto 4KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
970.	Mech.Carriage:0-1km: Tar Bitumen	TON	107.89	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	123.25	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	138.36	1	1.1.13C	:Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 2KM and Upto 3KM
1010.	Mech.Carriage:0-5km: Tar Bitumen	TON	166.99	1	1.1.13E	:Carriage of material by mechanical transport including loading unloading and stacking: Tar Bitumen : Beyond 4KM and Upto 5KM
1020.	Mech.Carriage:5-10km: Tar Bitumen	TPM	12.81	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	10.65	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	8.92	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	10.79	1	1.1.14A	: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 : Upto 1KM
1060.	Mech.Carriage:0-2km: Solvent	QTL	12.32	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	13.84	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	15.29	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	16.70	1	1.1.14E	:Carriage of material by mechanical transport including loading unloading and stacking: Solvent : Beyond 4KM and Upto 5KM
1130.	Mech.Carriage:0-1km: Steam Coal	TON	123.30	1	1.1.15A	:Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Upto 1KM
1100.	Mech.Carriage:5-10km: Solvent	QTL	1.28	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	1.06	1	1.1.14G	:Extra on Item 1.1.14.F for Carriage of material on every additional KM: Beyond 10KM and Upto

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						20KM(Rate:qtl/Km)
1120.	Mech.Carriage:>20km: Solvent	QTL	0.89	1	1.1.14H	:Extra on Item 1.1.14.G for Carriage of material on every additional KM: Beyond 20KM(Rate:qtl/Km)
1140.	Mech.Carriage:0-2km: Steam Coal	TON	140.85	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	158.12	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	174.77	1	1.1.15D	:Carriage of material by mechanical transport including loading unloading and stacking: Steam Coal : Beyond 3KM and Upto 4KM
1170.	Mech.Carriage:0-5km: Steam Coal	TON	190.85	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	14.64	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	12.17	1	1.1.15G	:Extra on Item 1.1.15.F for Carriage of material on every additional KM: Beyond 10KM and Upto 20KM

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1200.	Mech.Carriage:>20km: Steam Coal	TPM	10.20	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	1.44	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	1.64	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
1250.	Mech.Carriage:0-5km: SW pipe 100mm dia	M	2.23	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
1230.	Mech.Carriage:0-3km: SW pipe 100mm dia	M	1.84	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
1240.	Mech.Carriage:0-4km: SW pipe 100mm dia	M	2.04	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
1260.	Mech.Carriage:5-10km: SW pipe 100mm dia	M	0.17	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(

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Rate:100m/KM)
1270.	Mech.Carriage:10-20km: SW pipe 100mm dia	M	0.14	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	0.12	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	2.88	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	3.29	1	1.1.16.2B	:Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 150 mm dia : Beyond 1KM and Upto 2KM
1310.	Mech.Carriage:0-3km: SW Pipe 150mm dia	M	3.69	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	4.08	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	M	4.45	1	1.1.16.2E	:Carriage of material by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	150mm dia					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	0.34	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	0.28	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)
1390.	Mech.Carriage:0-3km: SW pipe 200mm dia	M	6.15	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
1360.	Mech.Carriage:>20km: SW Pipe 150mm dia	M	0.24	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 200mm dia	M	4.79	1	1.1.16.3A	:Carriage of material by mechanical transport including loading unloading and stacking: S.W.Pipe: 200 mm dia : Upto 1KM
1380.	Mech.Carriage:0-2km: SW pipe 200mm dia	M	5.48	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1400.	Mech.Carriage:0-4km: SW pipe 200mm dia	M	6.80	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	7.42	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	0.57	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	0.47	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)
1440.	Mech.Carriage:>20km: SW pipe 200mm dia	M	0.40	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	8.22	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	9.39	1	1.1.16.5B	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-2km

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1470.	Mech.Carriage:0-3km: SW Pipe 250mm dia	M	10.54	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	11.65	1	1.1.16.5D	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 250 mm dia : 0-4km
1520.	Mech.Carriage:>20km: SW Pipe 250mm dia	M	0.68	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)
1490.	Mech.Carriage:0-5km: SW Pipe 250mm dia	M	12.72	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	0.98	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)
1510.	Mech.Carriage:10-20km: SW Pipe 250mm dia	M	0.81	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)
1530.	Mech.Carriage:0-1km: SW pipe 300mm dia	M	10.27	1	1.1.16.6A	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia :

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						0-1km
1540.	Mech.Carriage:0-2km: SW pipe 300mm dia	M	11.74	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	13.18	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	14.56	1	1.1.16.6D	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 300 mm dia : 0-4km
1570.	Mech.Carriage:0-5km: SW pipe 300mm dia	M	15.90	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	1.22	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	M	1.01	1	1.1.16.6G	:Carriage of materials by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	300mm dia					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	0.85	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	14.38	1	1.1.16.7A	:Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-1km
1650.	Mech.Carriage:0-5km: SW Pipe 350mm dia	M	2.36	1	1.1.16.7E	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-5km
1620.	Mech.Carriage:0-2km: SW Pipe 350mm dia	M	16.43	1	1.1.16.7B	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 350 mm dia : 0-2km
1630.	Mech.Carriage:0-3km: SW Pipe 350mm dia	M	18.45	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	M	20.39	1	1.1.16.7D	:Carriage of materials by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	350mm dia					loading, unloading and stacking: S.W. pipe 350 mm dia : 0-4km
1660.	Mech.Carriage:5-10km: SW Pipe 350mm dia	M	1.71	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	1.42	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	1.19	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)
1690.	Mech.Carriage:0-1km: SW pipe 400mm dia	M	20.55	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	23.48	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	26.35	1	1.1.16.8C	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia : 0-3km

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1720.	Mech.Carriage:0-4km: SW pipe 400mm dia	M	29.13	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	31.81	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	2.44	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	2.03	1	1.1.16.8G	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 400 mm dia: beyond 10km upto 20km (per km)
1760.	Mech.Carriage:>20km: SW pipe 400mm dia	M	1.70	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	26.15	1	1.1.16.9A	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-1km

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1780.	Mech.Carriage:0-2km: SW Pipe 450mm dia	M	29.88	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	33.54	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	37.07	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	40.48	1	1.1.16.9E	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 450 mm dia : 0-5km
1820.	Mech.Carriage:5-10km: SW Pipe 450mm dia	M	3.11	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	2.58	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1840.	Mech.Carriage:>20km: SW Pipe 450mm dia	M	2.16	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	28.77	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	32.87	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	36.90	1	1.1.16.10C	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia: 0-3km
1910.	Mech.Carriage:10-20km: SW pipe 500mm dia	M	2.84	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)
1880.	Mech.Carriage:0-4km: SW pipe 500mm dia	M	40.78	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	44.53	1	1.1.16.10E	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 500 mm dia:

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						0-5km
1900.	Mech.Carriage:5-10km: SW pipe 500mm dia	M	3.42	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)
1920.	Mech.Carriage:>20km: SW pipe 500mm dia	M	2.38	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	35.96	1	1.1.16.11A	Carriage of materials by mechanical transport including loading, unloading and stacking: S.W. pipe 600 mm dia : 0-1km
1940.	Mech.Carriage:0-2km: SW Pipe 600mm dia	M	41.08	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	46.12	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	M	50.97	1	1.1.16.11D	Carriage of materials by mechanical transport including

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	600mm dia					loading, unloading and stacking: S.W. pipe 600 mm dia : 0-4km
1970.	Mech.Carriage:0-5km: SW Pipe 600mm dia	M	55.66	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	4.27	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	3.55	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)
2000.	Mech.Carriage:>20km: SW Pipe 600mm dia	M	2.97	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)
2040.	Mech.Carriage:0-4km: RC/CI pipe 100mm	M	3.34	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
2010.	Mech.Carriage:0-1km: RC/CI pipe	M	2.36	1	1.1.17.1A	Carriage of materials by mechanical transport including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	100mm					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	2.69	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	3.02	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
2050.	Mech.Carriage:0-5km: RC/CI pipe 100mm	M	3.65	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 unreinforces cement pipes 100 mm dia : 0-5km
2060.	Mech.Carriage:5-10km: RC/CI pipe 100mm	M	0.28	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 unreinforces cement pipes 100 mm dia: beyond 5km upto 10km (per km)

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2070.	Mech.Carriage:10-20km: RC/CI pipe 100mm	M	0.23	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 unreinforces cement pipes 100 mm dia: beyond 10km upto 20km (per km)
2080.	Mech.Carriage:>20km: RC/CI pipe 100mm	M	0.20	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 unreinforces cement pipes 100 mm dia: beyond 20km (per km)
2090.	Mech.Carriage:0-1km: RC/CI pipe 125mm di	M	3.15	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 unreinforces cement pipes 125 mm dia : 0-1km
2100.	Mech.Carriage:0-2km: RC/CI pipe 125mm di	M	3.60	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 unreinforces cement pipes 125 mm dia : 0-2km
2110.	Mech.Carriage:0-3km: RC/CI pipe 125mm di	M	4.04	1	1.1.17.2C	Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						steel cylinder, R.C. pipes, C.I. pipes, C.I. pipes and unreinforces cement pipes 125 mm dia : 0-3km
2120.	Mech.Carriage:0-4km: RC/CI pipe 125mm di	M	4.46	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 unreinforces cement pipes 125 mm dia : 0-4km
2130.	Mech.Carriage:0-5km: RC/CI pipe 125mm di	M	4.88	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 unreinforces cement pipes 125 mm dia : 0-5km
2170.	Mech.Carriage:0-1km: RC/CI pipe 150mm	M	3.93	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
2140.	Mech.Carriage:5-10km: RC/CI pipe 125mm d	M	0.37	1	1.1.17.2F	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 5km upto 10km (per km)

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2150.	Mech.Carriage:10-20km: RC/CI pipe 125mm	M	0.31	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	0.26	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)
2180.	Mech.Carriage:0-2km: RC/CI pipe 150mm	M	4.49	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
2190.	Mech.Carriage:0-3km: RC/CI pipe 150mm	M	5.04	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 unreinforces cement pipes 150 mm dia : 0-3km
2200.	Mech.Carriage:0-4km: RC/CI pipe 150mm	M	5.57	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						unreinforces cement pipes 150 mm dia : 0-4km
2210.	Mech.Carriage:0-5km: RC/CI pipe 150mm	M	6.08	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 unreinforces cement pipes 150 mm dia : 0-5km
2220.	Mech.Carriage:5-10km: RC/CI pipe 150mm	M	0.47	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 unreinforces cement pipes 150 mm dia: beyond 5km upto 10km (per km)
2230.	Mech.Carriage:10-20km: RC/CI pipe 150mm	M	0.39	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 unreinforces cement pipes 150 mm dia: beyond 10km upto 20km (per km)
2240.	Mech.Carriage:>20km: RC/CI pipe 150mm	M	0.33	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 unreinforces cement pipes 150 mm dia: beyond 20km

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						(per km)
2250.	Mech.Carriage:0-1km: RC/CI pipe200mm dia	M	6.39	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 unreinforces cement pipes 200 mm dia: 0-1km
2260.	Mech.Carriage:0-2km: RC/CI pipe200mm dia	M	7.30	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 unreinforces cement pipes 200 mm dia: 0-2km
2300.	Mech.Carriage:5-10km: RC/CI pipe200mm di	M	0.76	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 unreinforces cement pipes 200 mm dia: beyond 5km upto 10km (per km)
2270.	Mech.Carriage:0-3km: RC/CI pipe200mm dia	M	8.20	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 unreinforces cement pipes 200 mm dia: 0-3km
2280.	Mech.Carriage:0-4km: RC/CI pipe200mm dia	M	9.06	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

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						unreinforces cement pipes 200 mm dia: 0-4km
2290.	Mech.Carriage:0-5km: RC/CI pipe200mm dia	M	9.90	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 unreinforces cement pipes 200 mm dia: 0-5km
2310.	Mech.Carriage:10-20km: RC/CI pipe200mm d	M	0.63	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 unreinforces cement pipes 200 mm dia: beyond 10km upto 20km (per km)
2320.	Mech.Carriage:>20km: RC/CI pipe200mm dia	M	0.53	1	1.1.17.4H	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 200 mm dia: beyond 20km (per km)
2330.	Mech.Carriage:0-1km: RC/CI pipe 250mm	M	9.09	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 unreinforces cement pipes 250 mm dia : 0-1km
2340.	Mech.Carriage:0-2km: RC/CI pipe	M	10.38	1	1.1.17.5B	Carriage of materials by mechanical transport including

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	250mm					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 250 mm dia : 0-2km
2350.	Mech.Carriage:0-3km: RC/CI pipe 250mm	M	11.65	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 unreinforces cement pipes 250 mm dia : 0-3km
2360.	Mech.Carriage:0-4km: RC/CI pipe 250mm	M	12.88	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 unreinforces cement pipes 250 mm dia : 0-4km
2370.	Mech.Carriage:0-5km: RC/CI pipe 250mm	M	14.06	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 unreinforces cement pipes 250 mm dia : 0-5km
2380.	Mech.Carriage:5-10km: RC/CI pipe 250mm	M	1.08	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 unreinforces cement pipes 250 mm dia: beyond 5km upto 10km (per km)

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2390.	Mech.Carriage:10-20km: RC/CI pipe 250mm	M	0.90	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 unreinforces cement pipes 250 mm dia: beyond 10km upto 20km (per km)
2430.	Mech.Carriage:0-3km: RC/CI pipe300mm dia	M	14.40	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
2400.	Mech.Carriage:>20km: RC/CI pipe 250mm	M	0.75	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 unreinforces cement pipes 250 mm dia: beyond 20km (per km)
2410.	Mech.Carriage:0-1km: RC/CI pipe300mm dia	M	11.23	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 unreinforces cement pipes 300 mm dia : 0-1km
2420.	Mech.Carriage:0-2km: RC/CI pipe300mm dia	M	12.83	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

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2440.	Mech.Carriage:0-4km: RC/CI pipe300mm dia	M	15.92	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	17.38	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	1.33	1	1.1.17.6F	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 5km upto 10km (per km)
2490.	Mech.Carriage:0-1km: RC/CI pipe 350mm	M	15.72	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
2470.	Mech.Carriage:10-20km: RC/CI pipe300mm d	M	1.11	1	1.1.17.6G	Carriage of materials by mechanical transport including loading, unloading and stacking: R.C.C. pipe, A.C. pipes,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	0.93	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)
2500.	Mech.Carriage:0-2km: RC/CI pipe 350mm	M	17.96	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 350mm	M	20.16	1	1.1.17.7C	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 : 0-3km
2520.	Mech.Carriage:0-4km: RC/CI pipe 350mm	M	22.28	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 unreinforces cement pipes 350 mm dia : 0-4km

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2530.	Mech.Carriage:0-5km: RC/CI pipe 350mm	M	24.33	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 unreinforces cement pipes 350 mm dia : 0-5km
2540.	Mech.Carriage:5-10km: RC/CI pipe 350mm	M	1.87	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 unreinforces cement pipes 350 mm dia: beyond 5km upto 10km (per km)
2550.	Mech.Carriage:10-20km: RC/CI pipe 350mm	M	1.55	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 unreinforces cement pipes 350 mm dia: beyond 10km upto 20km (per km)
2560.	Mech.Carriage:>20km: RC/CI pipe 350mm	M	1.30	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 unreinforces cement pipes 350 mm dia: beyond 20km (per km)
2570.	Mech.Carriage:0-1km: RC/CI pipe400mm dia	M	21.44	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						unreinforces cement pipes 400 mm dia : 0-1km
2580.	Mech.Carriage:0-2km: RC/CI pipe400mm dia	M	24.49	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 unreinforces cement pipes 400 mm dia : 0-2km
2590.	Mech.Carriage:0-3km: RC/CI pipe400mm dia	M	27.49	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 unreinforces cement pipes 400 mm dia : 0-3km
2630.	Mech.Carriage:10-20km:RC/CIpipe400mm dia	M	2.12	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 unreinforces cement pipes 400 mm dia: beyond 10km upto 20km (per km)
2600.	Mech.Carriage:0-4km: RC/CI pipe400mm dia	M	30.39	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 unreinforces cement pipes 400 mm dia : 0-4km
2610.	Mech.Carriage:0-5km: RC/CI pipe400mm dia	M	33.18	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						unreinforces cement pipes 400 mm dia : 0-5km
2620.	Mech.Carriage:5-10km: RC/CIpipe400mm dia	M	2.55	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 unreinforces cement pipes 400 mm dia: beyond 5km upto 10km (per km)
2640.	Mech.Carriage:>20km: RC/CIpipe400mm dia	M	1.77	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 unreinforces cement pipes 400 mm dia: beyond 20km (per km)
2650.	Mech.Carriage:0-1km: RC/CI pipe450-500mm	M		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: 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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/CIpipe450-500mm	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)
2710.	Mech.Carriage:10-20km:RC/CIpipe450-500mm	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/CIpipe450-500mm	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	26.20	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						pipes: 450, 500 mm dia : Upto 1KM
2740.	Mech.Carriage:0-2km: RC/CI pipe450-500mm	M	29.93	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	33.60	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	37.14	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
2770.	Mech.Carriage:0-5km: RC/CI pipe450-500mm	M	40.56	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	3.11	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-	M	2.59	1	1.1.17.9G	:Extra on Item 1.1.17.9.F for Carriage of material on every

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	20km:RC/CIpipe450-500mm					additional KM: Beyond 10KM and Upto 20KM(Rate:100m/KM)
2800.	Mech.Carriage:>20km: RC/CIpipe450-500mm	M	2.17	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	39.30	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	44.90	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
2830.	Mech.Carriage:0-3km: RC/CIpipe600-800mm	M	50.40	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: RC/CIpipe600-800mm	M	55.71	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Upto 4KM
2850.	Mech.Carriage:0-5km: RC/CIpipe600-800mm	M	60.83	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
2890.	Mech.Carriage:0-1km: RC/CI pipe 900mm	M	58.95	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
2860.	Mech.Carriage:5-10km: RC/CIpipe600-800mm	M	4.67	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	3.88	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)
2880.	Mech.Carriage:>20km: RC/CIpipe600-800mm	M	3.25	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)
2900.	Mech.Carriage:0-2km: RC/CI pipe 900mm	M	67.35	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						pipes: 900 mm dia : Beyond 1KM and Upto 2KM
2910.	Mech.Carriage:0-3km: RC/CI pipe 900mm	M	75.61	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	83.57	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	91.25	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
2940.	Mech.Carriage:5-10km: RC/CI pipe 900mm	M	7.00	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	5.82	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	4.88	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)

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2970.	Mech.Carriage:0-1km: RCCpipe1000-1200mm	M	78.61	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 pipe1000-1200mm	M	89.80	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
3020.	Mech.Carriage:5-10km:RCC pipe1000-1200mm	M	9.34	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)
2990.	Mech.Carriage:0-3km: RCC pipe1000-1200mm	M	100.81	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 3KM
3000.	Mech.Carriage:0-4km: RCC pipe1000-1200mm	M	111.42	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3010.	Mech.Carriage:0-5km: RCC pipe1000-1200mm	M	121.67	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
3030.	Mech.Carriage:10-20km:RCCpipe1000-1200mm	M	7.76	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	6.50	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	124.50	1	1.2.1 A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Lime, moorum, building rubbish
3060.	ManualCarriage,Addl.50m,Bldg rubbish etc	M3	27.11	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	155.62	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	33.88	1	1.2.2B	:Extra on Item 1.2.2.A for every additional lead of 50m or

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead)
3090.	ManualCarriage,Upto50m, Manure/sludge	M3	135.32	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	29.46	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	248.99	1	1.2.4A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Excavated rock
3150.	ManualCarriage,Upto50m, aggt above 40mm	M3	168.24	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
3120.	ManualCarriage,Addl.50m, Excavated rock	M3	54.21	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)
3130.	ManualCarriage,Upto50m, aggt below 40mm	M3	155.62	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	M3	33.88	1	1.2.5B	:Extra on Item 1.2.5.A for every additional lead of 50m or

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	below 40mm					part thereof beyond 1st 50m upto 9 such additional leads(Rate:cum/lead)
3160.	ManualCarriage,Addl.50m, aggt above 40mm	M3	36.63	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	183.08	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	39.86	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	0.29	1	1.2.8A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Bricks
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	0.18	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	EA	0.04	1	1.2.9B	:Extra on Item 1.2.9.A for every additional lead of 50m or

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Tiles					part thereof beyond 1st 50m upto 9 such additional leads(Rate:1000 Nos/lead)
3230.	ManualCarriage,Upto50m, Steam Coal	TON	145.24	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	31.62	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)
3280.	ManualCarriage,Addl.50m, Cement	TON	13.23	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)
3250.	ManualCarriage,Upto50m, Stone blocks etc	TON	113.62	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	16.67	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 leads(Rate Ton/Lead)
3270.	ManualCarriage,Upto50m, Cement	TON	90.13	1	1.2.12A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Cement
3290.	ManualCarriage,Upto50m, Steel	TON	193.57	1	1.2.13A	:Carriage of material by manual labour including loading,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						unloading and stacking for first 50 m: Steel
3300.	ManualCarriage,Addl.50m, Steel	TON	28.41	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	124.44	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	18.26	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	113.62	1	1.2.15A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: Tar, Bitumen etc
3340.	ManualCarriage,Addl.50m, Tar/bitumen etc	TON	16.67	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	2.27	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	0.33	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						leads(Rate :100m/Lead)
3370.	ManualCarriage,Upto50m, SWpipe 150mm dia	M	3.74	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
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
3380.	ManualCarriage,Addl.50m, SWpipe 150mm	M	0.55	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	5.23	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	0.77	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)
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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3430.	ManualCarriage,Upto50m, SWpipe 250mm	M	8.71	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	1.28	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	12.44	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	1.83	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 350mm	M	17.42	1	1.2.16.7A	:Carriage of material by manual labour including loading, unloading and stacking for first 50 m: S.W. Pipes: 350 mm dia
3480.	ManualCarriage,Addl.50m, SWpipe 350mm	M	2.56	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	21.78	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3500.	ManualCarriage,Addl.50m, SWpipe 400mm	M	3.20	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)
3540.	ManualCarriage,Addl.50m, SWpipe 500mm	M	4.73	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)
3510.	ManualCarriage,Upto50m, SWpipe 450mm	M	26.40	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	3.87	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	32.26	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
3550.	ManualCarriage,Upto50m, SWpipe 600mm	M	39.59	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	M	5.81	1	1.2.16.11B	:Extra on Item 1.2.16.11.A for every additional lead of 50m

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	600mm					or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3570.	ManualCarriage,Upto50m, RC/CI pipe100mm	M	3.07	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	0.45	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	3.76	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 pipe125mm	M	0.55	1	1.2.17.2B	:Extra on Item 1.2.17.2.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3610.	ManualCarriage,Upto50m, RC/CI pipe150mm	M	4.33	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	M	0.63	1	1.2.17.3B	:Extra on Item 1.2.17.3.A for every additional lead of 50m

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	pipe150mm					or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3630.	ManualCarriage,Upto50m, RCC/CI pipe 200	M	6.49	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
3670.	ManualCarriage,Upto50m, RC/CI pipe300mm	M	14.28	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
3640.	ManualCarriage,Addl.50m, RC/CI pipe200mm	M	0.95	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	11.41	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 pipe250mm	M	1.67	1	1.2.17.5B	:Extra on Item 1.2.17.5.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3680.	ManualCarriage,Addl.50m, RC/CI	M	2.10	1	1.2.17.6B	:Extra on Item 1.2.17.6.A for every additional lead of 50m

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	pipe300mm					or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3690.	ManualCarriage,Upto50m, RC/CI pipe350mm	M	20.42	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	3.00	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	23.76	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 pipe400mm	M	3.49	1	1.2.17.8B	:Extra on Item 1.2.17.8.A for every additional lead of 50m or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3730.	ManualCarriage,Upto50m,RC/CI pipe450-500	M	31.68	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/CIpip	M	4.65	1	1.2.17.9B	:Extra on Item 1.2.17.9.A for every additional lead of 50m

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	e450-500					or part thereof beyond 1st 50m upto 9 such additional leads(Rate :100m/Lead)
3750.	ManualCarriage,Upto50m, RC/CIpipe600-800	M	34.84	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/CIpipe600-800	M	5.11	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	0.52	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 leads(Rate :100m/Lead)
3790.	ManualCarriage,Upto50m, Asbst pipe 80mm	M	1.43	1	1.2.18.2A	Carriage of materials by Manual Labour including loading, Unloading and stacking for lead lessthan 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 lessthan 0.50 km; Every additional lead of 50 metre or part thereof beyond 1st 50

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						metre upto 9 such additional leads.
3810.	ManualCarriage,Upto50m, Asbst pipe 100m	M	2.04	1	1.2.18.3A	Carriage of materials by Manual Labour including loading, Unloading and stacking for lead lessthan 0.50 km; For first 50 metres
3820.	ManualCarriage,Addl.50m, Asbst pipe 100m	M	0.30	1	1.2.18.3B	Carriage of materials by Manual Labour including loading, Unloading and stacking for lead lessthan 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	2.86	1	1.2.18.4A	Carriage of materials by Manual Labour including loading, Unloading and stacking for lead lessthan 0.50 km; For first 50 metres
3840.	ManualCarriage,Addl.50m, Asbst pipe150mm	M	0.42	1	1.2.18.4B	Carriage of materials by Manual Labour including loading, Unloading and stacking for lead lessthan 0.50 km; Every additional lead of 50 metre or part thereof beyond 1st 50 metre upto 9 such additional leads.
3850.	Loading/unloading/stacking: cement	TON	92.90	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
3860.	Loading/unloading from wagon: Steel	TON	137.64	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	81.70	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	149.04	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	30,029.42	1	44.1	**Clearingandgrubbingroadland**includinguprootingrankvegetation, 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.
20.	Clearingandgrubbingroadlandoflightjungle	HEC	90,563.32	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. **By Manual**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Means:-In area of light jungle
30.	Clearingandgrubbingroadlandothronyjungle	HEC	121,067.79	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. **By Manual Means:-In area of thorny jungle**
40.	ClearingandgrubbingroadlandoMechanically	HEC	39,975.71	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 of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. **ByMechanical Means :-In area of light jungle**
50.	Clearingandgrubbingroadlandothronyjungle	HEC	48,834.08	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201. **By Mechanical Means :-In area of thorny jungle**
60.	Dismantlingofexistingstructures-manually	M3	583.09	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. By Manual Means :- **Lime Concrete, cement concrete grade M-10 and below**
70.	DismantlingCCGrade M-15 & M-20-manually	M3	703.20	1	44.3.1.1.2	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.**ByManualMeans :-CementConcreteGrade M-15&M-20**
80.	DismantlingCCaboveGrade M-20-manually	M3	1,951.07	1	44.3.1.1.3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. **ByManualMeans :-Prestressed/ Reinforced cement concrete grade M-20&above**
90.	DismantlingCCGrade M15&M20mechanically	M3	582.52	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. **By Mechanical Means Means :-Cement Concrete Grade M-15 & M-20**
100.	DismantlingCCaboveGrade M-20mechanically	M3	1,088.42	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. **By Mechanical Means :-Prestressed / Reinforced cement concretegrade M-20&above**

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110.	Dismantling lime mortar	M3	342.85	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. **In lime mortar"**
120.	DismantlingCement mortar	M3	462.96	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. **InCementmortar"**
130.	DismantlingMud mortar	M3	294.79	1	44.4.1.3	"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.**In mud mortar.**
140.	Dismantlingbrick pitching orbrick soling	M3	270.78	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**-In Dry**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						brick pitching or brick soling
150.	Dismantling stone masonry in lime mortar	M3	390.90	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.**InRubble stone masonry in lime mortar"**
160.	Dismantling stonemasonry in cementmortar	M3	462.96	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.**In Rubble stone masonry in cementmortar."**
170.	Dismantlingstone masonry in mud mortar	M3	342.85	1	44.5.1.3	"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.**In Rubble stone masonry in mud mortar."**
180.	Dismantling dry rubble masonry	M3	318.82	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						1000 m as per Technical Specification Clause 202.**In Dry rubble masonry"**
220.	DismantlingSteel including dismembering	TON	2,474.67	1	44.7.1	Dismantling Steel Work in all Types of Sections upto a height of 5 m abovePlinth Level excluding Cutting of rivet as per Technical Specification Clause 202. **Including dismembering"**
190.	Dismantling stone pitching	M3	294.79	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.**Dismantling stone pitching/ dry stone spalls."**
200.	Dismantling boulder in wirecrates	M3	342.85	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. **Dismantling boulderslaid in wire crates including opening of crates and stacking dismantled materials."**
210.	Dismantling Wood Work Wrough&Planned	M3	916.70	1	44.6	"Dismantling of existing structures like culverts, bridges, retaining walls andother structure comprising of stone

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						masonry, including disposal ofunserviceable material and stacking the serviceable material with all lift andlead of 1000 m as per Technical Specification Clause 202.**Dismantling Wood Work Wrought and Planed Fixed in Frames of Trussesupto a heightof5mabove Plinth Level as per Technical Specification Clause 202."**
230.	DismantlingSteel excluding dismembering	TON	1,821.85	1	44.7.2	Dismantling Steel Work in all Types of Sections upto a height of 5 m abovePlinth Level excluding Cutting of rivet as per Technical Specification Clause 202. **Excluding dismembering.**
240.	Dismantling Steel work for cuttingrivets	TON	18.62	1	44.7.3	"Dismantling Steel Work in all Types of Sections upto a height of 5 m abovePlinth Level excluding Cutting of rivet as per Technical Specification Clause 202-**InExtraoveritemNo(V)Aand (V)Bfor cutting rivets."**
250.	Scraping of dismantled bricks	T	2.10	1	44.8	Scraping of bricks **dismantled from brick wor**k including stacking as perTechnical Specification Clause 202.
260.	Scraping f Stone InCement or Lime Mortar	M3	843.50	1	44.9	Scraping of Stone from Dismantled Stone Masonry as per TechnicaSpecification Clause 202.**In Cement or Lime Mortar**
270.	Scraping plaster InCement or Lime	M2	25.54	1	44.10	Scraping Plasterin LimeorCement Mortar from Brick /

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Mortar					Stone Masonry as perTechnical Specification Clause 202.
280.	Removingall typesofHumepipesUpto600mmdia	M	311.77	1	44.11.1	Removing all types of **Hume pipes** and stacking within a lead of 1000 mincluding Earthwork and Dismantling of Masonry Works as per TechnicalSpecification Clause 202.**Up to 600 mm dia**
290.	RemovingalltypesofHumepipesUpto 900mmdia	M	421.75	1	44.11.2	Removing all types of **Hume pipes** and stacking within a lead of 1000 mincluding Earthwork and Dismantling of Masonry Works as per TechnicalSpecification Clause 202.**Above 600 mm Upto900 mm dia**
300.	RemovingalltypesofHumepipesabov e900mmdia	M	634.15	1	44.11.3	Removing all types of **Hume pipes** and stacking within a lead of 1000 mincluding Earthwork and Dismantling of Masonry Works as per TechnicalSpecification Clause 202.**above900mmdia**
310.	Dismantling Manualy onBituminous courses	M3	1,081.40	1	44.12.1.1.1	Dismantling of flexible pavements and disposal of dismantled materialsupto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 **By Manual means on Bituminous courses**
350.	Dismantling guardrail manually	M	113.84	1	44.14	**Dismantling guard rails by manual means** and disposal of dismantled materiawith all lifts and upto a lead of 1000 m, stacking serviceable materials andunserviceable materials separately as per Technical Specification Clause

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						202.
320.	DismantlingManualyonGranularcourses	M3	757.36	1	44.12.1.1.2	Dismantling of flexible pavements and disposal of dismantled materialsupto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 -**By ManualmeansonGranularcourses**
330.	Dismantling BituminoucoursesMechanically	M3	368.05	1	44.12.1.2.1	Dismantling of flexible pavements and disposal of dismantled materialsupto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specification Clause 202 -**By MechanicalmeansonBituminouscourses**
340.	DismantlingCCpavementmechanically	M3	1,417.50	1	44.13.1	**Dismantling of cement concrete pavement by mechanical means** 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.
360.	Dismantling kerbstone manually	M	19.00	1	44.15	**Dismantling kerb stones by manual means** and disposal of dismantled materiawith 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	D**ismantling kerb stone channel by manual means** and disposal of dismantled material with all lifts and up to a

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						lead of 1000 metre.
380.	Dismantlingofkilometrestone 5thKM stone	EA	589.00	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. **5th KM stone**
390.	Dismantlingof Ordinary KMStone	EA	348.00	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. **Ordinary KM Stone**
400.	Dismantling of HectometreStone	EA	70.00	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.**In Hectometre Stone**
410.	DismantlingofCIwaterpipeline600m mdia	M	180.00	1	44.18	**Dismantling of CI water pipe line 600 mm dia** including 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.	RemovalofCCpipeofsewergutter150 0mmdia	M	259.00	1	44.19	**Removal of cement concrete pipe of sewer gutter 1500 mm dia** 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						dismantling of masonry works.
430.	Cutting&uprooting manuallytea bushes	EA	42.09	1	44.20	Cutting and uprooting **manually all kinds of tea bushes**, small bamboo stumps or any other small under growth etc.
45 : EARTH WORK, EROSION CONTROL AND DRAINAGE						
10.	ScarifyingGranularSurface-Manually	M2	37.96	1	45.1	**Scarifying Existing Granular Surface to a Depth of 50 mm by Manual Means** (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 SurfaceMech'cally	M2	6.38	1	45.2	**Scarifying existing bituminous surface to a depth of 50 mm by Mechanical means** (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.)
30.	Surface treatment	M2	2.55	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	295.00	1	45.6	Excavation for **roadway in soil using Manual means** including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto1000

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						metres.(Ref. to MoRTH Spec.301)
50.	Excavation in ordinary rock-Manual means	M3	420.00	1	45.7	**Excavation in ordinary rock for roadway/culverts using Manual means** 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 **road way in soil by Mechanical means** 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	**Excavation for roadway in ordinary rock by deploying a dozer**, 80 HP including cutting and pushing the cut earth 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.	Excavationinhardrock-Byblasting	M3	176.00	1	45.10	**Excavation for roadway in hard rock (requiring blasting)**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 with in all lifts and leads upto 1000 metres.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						(Ref. to MoRTH Spec.301)
90.	ExcavationinroadwaybyHydraulicExcavator	M3	65.00	1	45.11	**Excavation for roadwork in soil with hydraulic excavator of 0.9 cum** 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.	ExcavationinroadwaybyHydraulicExcavator	M3	81.00	1	45.12	**Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum** 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)
110.	Excavationhardrockwithoutblasting	M3	476.11	1	45.13.1	**Excavation for roadway in hard rock (blasting prohibited)** 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)- **Mechanised**
120.	Excavationhardrockwithoutblasting manual	M3	1,949.38	1	45.13.2	**Excavation for roadway in hard rock (blasting prohibited)** with rock breakers including breaking rock,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)- **Manual Method**
130.	Excavationhardrockwithcontrolledblast	M3	192.19	1	45.14	**Excavation for roadway in hard rock with controlled blasting 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 with in all lifts and leads upto 1000 metres.(Ref. to MoRTH Spec.301)
140.	Excavationmarshysoilwithexcavator	M3	73.54	1	45.15	**Excavation for roadway in marshy soil with hydraulic excavator** 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 sections. (Ref. to MoRTH Spec.301)
180.	Earthworkinexcavation-mechanicaly	M3	47.72	1	45.18.1.2	**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.)**for Ordinary Soil by Mechanical Means (Depth upto 3 m)**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
150.	Removal of unserviceable soil	M3	65.65	1	45.16	**Removal of unserviceable soil** 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	115.16	1	45.17	**Carrying out excavation in hard rock** 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.	Earthworkinexcavationoffoundation manualy	M3	480.47	1	45.18.1.1.	**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.)**for Ordinary Soil by Manual Means (Depth upto 3 m)**
190.	Earthwork withoutblasting-manualy	M3	600.59	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)**for Ordinary Soil Manual Means not requiring blasting(Depth upto 3 m)**
200.	Earthwork withoutblasting-mechanical	M3	60.72	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.)**for Ordinary Soil by Mechanical Means not requiring blasting(Depth upto 3 m**)
210.	Earthwork withblasting-manualy	M3	883.97	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 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.)**for Ordinary Soil Manual Means requiring blasting(Depth upto 3 m)**
220.	Earthwork withblasting-mechanically	M3	711.47	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)**for Ordinary Soil Mechanical Means requiring blasting(Depth upto 3 m)**
230.	Earth work on marshysoil-manually	M3	817.44	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.)**for Marshy Soil Manual Means (Depth upto 3 m)**
240.	Earth work on marshysoil-mechanically	M3	272.63	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 bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)**for Marshy Soil Mechanical Means (Depth upto 3 m).**
250.	Const of Embankment-RRCont	M3	171.64	1	45.19	**Embankment Construction with Material Obtained from Borrow Pits** : 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5(**Road roller cost included)**
260.	ConstofEmbankment-RRCoy	M3	154.48	1	45.20	**Embankment Construction with Material Obtained from Borrow Pits** : 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**(Road roller supplied by Company)**
270.	Embankmentofmaterialsfromsite-RRCont	M3	100.07	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(**Road roller cost included)**
310.	Compacting subgrade RR-Cont	M3	68.69	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.)(**Road roller cost included)**
280.	Embankmentofmaterialsfromsite-RRCoy	M3	80.03	1	45.22	Construction of embankment with approved materials deposited at site from roadway cutting and excavation

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						from drain and foundation of other structures graded and compacted to meet requirement of table 300-2 **(Road roller supplied by Company)**
290.	Const-ofsubgradeandearthenshoulderRR Cont	M3	206.49	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 upto1000 m as per Technical Specification Clause 303.1.**(Road roller cost included)**
300.	ConstofsubgradeandearthenshoulderRRCoy	M3	185.86	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 upto1000 m as per Technical Specification Clause 303.1.**(Road roller supplied by Company)**
320.	Compacting Embankment RR-Cont	M3	33.47	1	45.26	**Compacting original ground supporting embankment** (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.)(**Road roller cost included)**
330.	Stripping of top soil from borrow areas	M3	78.20	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

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						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	38.00	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	113.00	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 of0.23 litres per sqm and laying and fixing jute netting, including watering for 3 months all as per clause 308)
360.	Const embankment with hard rock-RRCont	M3	59.00	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) **(Cost of road roller services included)**
370.	Excavation soilinhillyareaby-mechanicaly	M3	160.00	1	45.32	Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and

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						disposing of excavated earth with all lifts and lead upto 1000 metres)
380.	Excavationinhillyareanotrequireblasting	M3	234.00	1	45.33	Excavation in **hilly area in ordinary rock not requiring ballasting** by mechanical means including cutting and trimming of slopes and disposal of cut material with all lift and lead upto 1000 metres)
390.	Excavationinhillyarearequireblasting	M3	283.00	1	45.34	**Excavation in hilly areas in hard rock requiring blasting**, 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	122.71	1	45.35	**Construction of embankment with fly ash** 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 OMC, all as specified in IRC: SP: 58-2001 and as per approved plans.
46 : SURFACE DRAINS						
10.	Surface Drains in Soil -Mechanicalmeans	M	67.00	1	46.1.1	**Surface Drains in Soil** (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 of50 metres (average lead 25 metres)) **Mechanical means**

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20.	Surface Drains in Soil-Manualmeans	M	120.00	1	46.1.2	**Surface Drains in Soil** (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 of50 metres (average lead 25 metres)) **Manual Means**
30.	Surface DrainsinordinarySoil-Mechanicaly	M	136.00	1	46.2.1	**Surface Drains in Ordinary Rock** (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.) **ByMechanical means**
40.	Surface DrainsinordinarySoil-Manually	M	180.00	1	46.2.2	**Surface Drains in Ordinary Rock** (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.)**By Manual Means**
50.	Surface Drainswithperforatedpipe	M	216.00	1	46.3	**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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
60.	Constructionofsurfacedrain-withaggregate	M	87.00	1	46.4	**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)
70.	Constructionofundergrounddrainwithcover	M	1,343.79	1	46.5	**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.
47 : UNSURFACED/UNPAVED ROAD						
10.	150 MM GRANULAR SUB-BASE-RR-Company	M2	102.22	1	47.1	**CONSTRUCTION OF 150 MM (CONSOLIDATED) GRANULAR SUB-BASE** 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(**Road roller supplied by company}.**
20.	100 MM GRANULAR SUB-BASE-RR-Company	M2	88.24	1	47.2	**CONSTRUCTION OF 100MM (CONSOLIDATED) GRANULAR SUB-BASE** 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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						(Road roller supplied by company}.
30.	150 MM GRANULAR SUB-BASE-RR-Contractor	M2	109.80	1	47.3	**CONSTRUCTION OF 150MM (CONSOLIDATED) GRANULAR SUB-BASE** 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. **(Road roller supplied by contractor).**
40.	100 MM GRANULAR SUB-BASE-RR-Contractor	M2	95.81	1	47.4	**CONSTRUCTION OF 100MM (CONSOLIDATED) GRANULAR SUB-BASE** 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.**(Road roller supplied by contractor)**.
50.	Extracting / recovering of gravel, stone	M3	111.20	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	122.33	1	47.6	**REPAIR OF DAMAGED GRAVELLED ROAD SURFACE** by dry and wet rolling gravel (25mm to 65mm) and sand shingles spread evenly over damaged surface including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						rolling out damaged portions etc.as per clause 401. **(Road roller supplied by company).**
70.	150 MM GRAVEL ROAD-RR-Company	M2	104.78	1	47.7	**CONSTRUCTIONS OF 150 MM THICK (CONSOLIDATED) GRAVELLED ROAD** 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 **(Road roller, fuel, lubricant and driver supplied by the company).** Contractor to provide security for road roller.(Ref. to MoRTH Spec.401)
80.	100 MM GRAVEL ROAD-RR-Company	M2	92.77	1	47.8	**CONSTRUCTIONS OF 100 MM THICK (CONSOLIDATED) GRAVELLED ROAD** 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 (**Road roller, fuel, lubricant and driver supplied by the company). Contractor to**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						provide security for road roller.(Ref. to MoRTH Spec.401)
90.	150 MM GRAVEL ROAD-RR-Contractor	M2	111.78	1	47.9	**CONSTRUCTIONS OF 150 MM THICK (CONSOLIDATED) GRAVELLED ROAD** 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)**(Road roller provided by contractor)**.
100.	100 MM GRAVEL ROAD-RR-Contractor	M2	103.20	1	47.10	**CONSTRUCTIONS OF 100 MM THICK (CONSOLIDATED) GRAVELLED ROAD** 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)(**Road roller provided by contractor)**.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
110.	100 MM WBM Course-RR-Company	M2	127.20	1	47.11	**CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick** (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.**(Road roller supplied by company).**
120.	75 MM WBM Course-RR-Company	M2	120.92	1	47.12	**CONSTRUCTION OF WATER BOUND MACADAM base course 75 mm thick** (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 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.(**Road roller supplied by company).**
130.	100 MM WBM Course-RR-Contractor	M2	137.10	1	47.13	**CONSTRUCTION OF WATER BOUND MACADAM base course 100mm thick** (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. **(Road roller supplied by contractor).**
140.	75 MM WBM Course-RR-Contractor	M2	128.50	1	47.14	**CONSTRUCTION OF WATER BOUND MACADAM base course 75 mm thick** (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. (**Road roller supplied by contractor).**
150.	REPAIRING WBM BY 100 MM THICK- RR Coy	M2	112.32	1	47.15	**REPAIRING OF DAMAGED ROAD SURFACE BY 100 MM THICK WBM** 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) (**Road roller supplied by company).**
160.	REPAIRING WBM BY 75 MM THICK- RR Coy	M2	89.37	1	47.16	**REPAIRING OF DAMAGED ROAD SURFACE BY 75MM THICK WBM** with 63mm to 45mm hand broken road metal, consolidated by road roller / manually to correct

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						grade / course including excavation or raking out damaged portions as per direction (Ref. to MoRTH Spec.404)**(Road roller supplied by company).**
170.	REPAIRING WBM BY 100 MM THICK- RR Cont	M2	119.89	1	47.17	**REPAIRING OF DAMAGED ROAD SURFACE BY 100 MM THICK WBM** 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) **(Road roller supplied by Contractor).**
180.	REPAIRING WBM BY 75 MM THICK- RR Cont	M2	100.98	1	47.18	**REPAIRING OF DAMAGED ROAD SURFACE BY 75MM THICK WBM** 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)**(Road roller supplied by Contractor).**
190.	Maintaining new drilling plinth permonth	PSP	9.14	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.
230.	Spreading gravel, brick bat	M3	344.26	1	47.23	Spreading gravel, pea-gravel or brick bat over sunken road surface, including carrying from a distance of 30.00m.
200.	Maintaining Old drilling plinth	PSP	8.44	1	47.20	Maintaining Old plinth for work over operations including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	permonth					gravelled road over plinth for drilling locations, throughout the month, (as per direction of Engineer-in-charge.).
210.	Maintaining 4-5m Graveled Road	KMO	9,993.80	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	14.31	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.
240.	Spreading Cinder, Sand Shingle	M3	229.52	1	47.24	Spreading cinder, sand shingle and sand over sunken road surface, including carrying from a distance of 30.00m.
250.	Spreading Sand	M3	154.92	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	18.71	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-	M3	168.72	1	47.27	"Soil Stabilisation for Improving Subgrade :Construction of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	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. (**Including supply of all T&P, road roller by Contractor, excluding cost of admixture.)RR-Cont, Admix:Coy. By Mechanical Means"**
280.	SoilStabilisa Manual Means RR-Cont	M3	203.00	1	47.27A	"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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						all as specified in IRC: 88-1984. (**Including supply of all T&P, Road Roller by Contractor, excluding cost of admixture.)RR-Cont, Admix:CoyBy Manual Means.** "
290.	SoilStabilisa material by Contractors Me	M3	505.85	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. **(Including supply of all T&P , Lime & Road Roller supplied by Contractor) By Mechanical Means** "
300.	Soil Stabilisation RR-Contr-manually	M3	550.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. **(Including supply of all T&P , Lime & road roller supplied by Contractor)By Manual Means** "
310.	SoilStabilisationRR-Coy-mechanically	M3	150.00	1	47.28B	**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. **(Including supply of all T&P, road roller by Company, excluding cost of admixture.) By Mechanical Means"**
320.	Soil Stabilisation RR-Company	M3	175.00	1	47.28C	"**Soil Stabilisation for Improving Subgrade**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Manual					: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. **(Including supply of all T&P, road roller by Company, excluding cost of admixture)All material to be provided by Company.By Manual Means. "**
360.	Boulder soling size above 100mm to 150mm	M2	131.18	1	47.30.1	**Laying Boulder Soling of specified size**, 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.**Boulder size 100mm to 150mm.**
330.	Soil Stabilisation RR-Company Mechanica	M3	490.65	1	47.28D	**Lime Soil Stabilisation for Improving Subgrade** :Construction of Sub-base/base using lime with granular

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.**(Including supply of all T&P , Lime supplied by Contractor & road rollersupplied by Company)RR:Company,Materials to be provided by:Contractor.By Mechanical Means.**
340.	SoilStabilisationRR-Coy,material-Cont Ma	M3	522.00	1	47.28E	**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. (Including supply of all T&P , L**ime supplied by**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Contractor & road roller supplied by Company)RR: Coy, Materials to be provided by : Contractor. By Manual Means. "
350.	Wet Mix Macadam RR-Cont	M3	281.34	1	47.29	**Wet Mix Macadam** (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.) **Supply of Materials to be paid seperately.(as per Clause 405.3andTechnicalSpecificationCluase 408)**
370.	Boulder soling size above 150mm to 225mm	M2	163.79	1	47.30.2	**Laying Boulder Soling, of specified size**, 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.**Boulder size above 150mm to 225mm.**
380.	75mmth Brick Soling with earth packing	M2	95.97	1	47.31	**Laying Brick Flat Soling (75mm thick)** including grading the base and **packing joints with earth** and including

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	167.22	1	47.32	**Laying Flat Brick Soling (150mm thick) in 2 layers** including necessary grading the base **and packing joints with loamy earth,** 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	170.41	1	47.33	**Laying Brick Flat Soling (75mm thick)** including grading the base and spreading 25mm thick sand bed at bottom and **grouting soling with cement mortar (prop. 1:3)** and carrying all materials from a distance of upto 30.00m.
410.	Boulder packing with Jingle wire	M3	461.79	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 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	580.97	1	47.35	**Providing and laying Pitching on slopes** 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

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48 : ASPHALTED ROADS						
10.	Making furrows 50 mm x 50 mmx25mmdeep	M2	6.17	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. **25mm deep furrow cutting**
20.	Making furrows 50 mm x 50 mmx50mmdeep	M2	12.34	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.**50mm deep furrow cutting**
30.	MAINTAINING EXISTING ASPHALTED ROAD	KMO	10,328.06	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 Engineer-in-charge.
40.	75mmthSEMI GROUTED ASPHALTED -RR-Coy	M2	116.90	1	48.2	**CONSTRUCTION OF SEMI GROUTED ASPHALTED SURFACE** 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)&(**Roller supplied by company).**
50.	REPAIRING ASPHAL ROAD 50 to75mm RR-Coys	M2	136.45	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) **Consolidated thickness 50 mm to 75 mm.**
60.	Premixwith other mixer on WBM surf RRCoy	M2	69.36	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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**(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 & watch & ward by Contractor & Road roller,Bitumen supplied by company)**.Ref. to MoRTH Spec.as per clauses 511.i) **Using other mixer of approved type on Water Bound Macadam surface**.
70.	Premixof other mixer on Bitumisurf-RRCoy	M2	53.72	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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(**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& watch & ward by Contractor & Road roller,Bitumen supplied by company).i)Using other mixer of approved type on Bituminous surface.**
80.	Premix other mixer on Bitumisurf-RRCont	M2	56.65	1	48.6	**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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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& watch & ward & Road Roller by Contractor,Bitumen supplied by company).i)Using other mixer of approved type on Bituminous surface.**
90.	Premix with HMPon WBM surface-RRCoy	M2	114.64	1	48.7	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						binder, spreading the pre-mix with rakes to the desired thickness and camber immediately after applying the tack coat over the existing WBM 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,watch&ward & hot-mix plant supplied by Contractor.Road roller,Bitumen supplied by company).i) Using hot-mix plant(6 or10 TPH)on Water Bound Macadam surface)**.
100.	Premix with HMP on Bitumsurfa-RRCoy	M2	97.64	1	48.7A	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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,watch&ward &hot-mix plant supplied by Contractor.Road roller,Bitumen supplied by company).i) Using hot-mix plant (6 or 10 TPH) ON Bituminous surface.**
110.	Premix with Othermix WBM surface-RRCont	M2	72.28	1	48.7B	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 of approved type until the chippings or pea gravels are thoroughly coated with binder, spreading the pre-mix with

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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& Roadroller by Contractor &Bitumen supplied by company).i)Using other mixerofapprovedtype on Water Bound Macadam surface.**
120.	Laying seal coat-RR Coy	M2	3.68	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.(**T& P & watch & ward by Contractor,Road roller&Bitumen provided by Company)**
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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 .**For Tender Estimation(RateofBitumen as per APWD rates, 2010).i) Using hot-mix plant (6 or 10 TPH) on Water Bound Macadam surface.(Deleted)**
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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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, (**T& P & Road roller,Bitumen VG-10 by Contractor)For Tender Estimation(Rate of Bitumen as per APWD rates, 2010) i) Using hot-mix plant (6 or 10 TPH) on Bituminous surface.**(Deleted)
150.	Premix over WBM surf -RR,HMP by -Coy	M2	111.14	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.(**watch & ward by Contractor & Road roller , Bitumen & hot-mix plant supplied by company).i)Using hot-mix plant(6 or 10 TPH) on a) Water Bound Macadam surface.**
160.	Premix over Bitumen surf- RR,HMP by-Coy	M2	95.54	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.**(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.**
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 **bitumen emulsion/bitumen**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						by Contractor of approved quality.(For TENDER ITEM).
170.	Apply primer coat with bitum enemulsion	M2	1.83	1	48.8	Aplying primercoat 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.**
180.	Apply primercoat on GRAN BASE TENDER JOB	M2	25.24	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 **bitumen emulsion by Contractor of approved quality.(For TENDER ITEM)**
190.	Apply tack coat with bitumenemul/ bitume	M2	5.17	1	48.10	Aplying tack coat with bitumen emulsion/bitumen at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned.
210.	Laying seal coat-RR Contractor	M2	4.12	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.**(Road roller provided by Contractor).**
220.	Laying seal coat-BitumenCont(TenderJob)	M2	48.34	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 **supply of bitumen & Road roller by Contractor** of approved quality

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						as per specificationRef.toMoRTH Spec.as per clauses 513.**(For TENDER ITEM).Excluding supply of Quarry Materials.**
230.	Lay premix sandseal coat withHMP-RRCoy	M2	6.54	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**(Bitumen & Roller by Company)**
240.	Bituminous Cold Mix-RR Cont	M3	295.31	1	48.15	**Bituminous Cold Mix:-**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.(**Road roller by contractor)**
250.	Recipe Cold MixPlant-RRCoy	M3	286.66	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**(Roadroller by Company)**
260.	Bitumin macadam with hotmix plant-RRCont	M3	1,085.65	1	48.17	Providing and laying Bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.**(Road roller by contractor&bitumentobe provided by Company)**
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.**(Road roller & bitumen to be provided by Company) (Deleted)**
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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						seperately.:Forgrading I(25 mm nominal size):**ForTENDER Jobs(T&P &watch & ward & Road Roller provided by Contractor).** (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. **(Road roller to be provided by Contractor)**.Measurementof aggregates will be paid seperately.**Bitumen will be provided by Company.**(Deleted)
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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) **For TENDER Estimation : Composite item, all inclusive: Aggregates & Bitumen) 'With rockdustas filler (refer table 500-9 of MoSRT&H specification) : 'with CRMB 55: for Grading I (13 mm nominal size)**(Deleted)
300.	SDBCwithHMP-RRCont (forTenderJob)	M3		1	48.20	**SDBC With contractor supply Bitumen for TENDER JOBS**: 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.**(Road roller to be provided by Contractor)**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Measurement of aggregates will be paid seperately.(Deleted)
310.	SDBCwithHMP-RRCont (TenderJobComp item)	M3		1	48.21	**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.)**ForTENDER Estimation** : **Composite item, all inclusive: Aggregates & Bitumen) 'With rockdustas filler (refer table 500-9 of MoSRT&H specification): (a) 'with 60/70 or VG-30 grade bitumen:for Grading I(13 mm nominal size)**(Deleted)
320.	SDBCwithHMP-RRCont (TenderJobComp item)	M3		1	48.22	Semi -Dense Bituminous Concrete (Providing and laying semi dense bituminous concrete with 100-120 TPH batch

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.) **For TENDER Estimation : Composite item, all inclusive: Aggregates & Bitumen) 'With rockdustas filler (refer table 500-9 of MoSRT&H specification): (a) 'with 60/70 or VG-30 grade bitumen: for GradingII(10 mm nominal size)**(Deleted)
340.	SDBCwithHMP-RRCont	M3	903.41	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, lavel and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the

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.) (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.
49 : BAILEY BRIDGES & HUME PIPE CULVERTS						
10.	ERECTINGBAILEYBRIDGE-Single -Single type	M	6,269.73	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)Single-Single type**
20.	ERECTINGBAILEYBRIDGE-Double -Single type	M	6,676.08	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 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)Double-Single type**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
30.	ERECTINGBAILEYBRIDGE-Triple-Single type	M	8,283.97	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 launching of the bridge and anchoring both ends of the bridge by using steel chain for the below mentioned types.**i)Triple-Single type**
40.	ERECTINGBAILEYBRIDGE-Double-Double type	M	9,229.56	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.**Double/Double type Bailey Bridge**
50.	DISMANT BAILEYBRIDGE-SingleSingle type	M	6,620.09	1	49.5	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:**Single/ Single type**
60.	DISMANT BAILEYBRIDGE-DoubleSingle type	M	5,792.58	1	49.6	DISMANTLING BAILEY BRIDGE including transport both ways of all steel parts, for de-launching bridge within 8Km.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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:**Double/ Single type**
70.	DISMANT BAILEYBRIDGE-TripleSingle type	M	4,965.07	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:**Triple/ Single type .**
80.	DISMANTBAILEY BRIDGE-DoubleDouble type	M	4,798.78	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:**Double / Double type .**
90.	Fixing Steel Chesses Decking	M	6,813.98	1	49.9	Fixing Steel Chesses Decking on Bailey bridges including transportation / loading / unloading at site within 8Km.
100.	Dismentling Steel Chesses Decking	M	5,276.44	1	49.10	Dismentling Steel Chesses Decking on Bailey bridges including transportation / loading / unloading at site within 8Km.

OIL INDIA LIMITED

Civil Engineering Deptt.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
110.	HIRE CHARGE FOR BOATS3to4tone	EPD	7,421.99	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	3,710.99	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	579.52	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	724.40	1	49.14	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 of masonry and timber culvert upto 3.00m span.
150.	Assembl Culvert 0.60m culvert-manually	M	1,276.81	1	49.15	Labour for Assembling and placing Hume pipe (R.C.C.) Culverts **manually** in line with proper grading, levelling,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)**for 0.60m dia.culvert**,including de-watering andtemporary 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).
160.	Assembl Culvert 0.90m culvert-manualy	M	1,656.95	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) **for 0.90m dia. culvert**, 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).**(Manually)**

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170.	Assembl Culvert 0.90mdia culvert-Crane	M	1,873.92	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) **for 0.90m dia. culvert**, 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)-**With Crane**
180.	Assembl Culvert 1.2to1.8m culvert-Crane	M	2,254.05	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 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) **for 1.20m to 1.80m dia. culvert**, 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)-**By**

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Crane.
190.	S&L RCC pipe NP3 1800 mm Culvert	M	16,082.00	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	10,200.00	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	8,681.60	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 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	2,273.00	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.
220.	S&L RCC pipe NP3 900 mm Culvert	M	7,377.00	1	49.22	Supplying & Laying Reinforced cement concrete pipe NP3

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	3,168.00	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	2,730.00	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 .
260.	S&L RCC pipe NP3 1000 mm Culvert (D/R)	M	17,363.00	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	20,441.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .
280.	HandlingRCCSlab -manually	M3	1,288.26	1	49.28	Handling of precast RCC Slab with care **by manual means** including a lead of upto 30m
290.	HandlingRubbermates-manually	M2	59.62	1	49.29	Handling & placement of standard size rubber mats placement with care **by manual means** including a lead of upto 30m for facilitating heavy vehicle, as per instruction of engineer.
300.	Cleaningwaterwaysofbridgeof10mlength.	EB	1,892.62	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 **for bridges upto 10.00m length.**
310.	Cleaningwaterwaysofbridgeof10-20mlength	EB	2,838.93	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 bridges for**bridges in excess of 10.00m and upto 20.00m in length.**
320.	Cleaningwaterwaysofbridgeof20-30mlength	EB	3,785.24	1	49.32	Cleaning waterways of bridges including removing of debris, obstruction, vegetation growth and silt or earth

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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**bridges in excess of 20.00m and upto30.00m in length.**
330.	U/d timber work in Bridges, New (<1dm2)	DM3	3.76	1	49.33	U/d timber work in Bridges, New (<1dm2)
340.	U/d timber work in Bridges, New (>1dm2)	DM3	3.78	1	49.34	U/d timber work in Bridges, New (>1dm2)
380.	Drivingpipe piles150-200mm(Welding-CONT)	M	738.69	1	49.37	**Driving pipe piles-150-200mm(Wld-Cont)**: 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**welding, cutting set provided by the contractor.**
350.	Dismantlingtimberwork bridges, culverts	DM3	2.17	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 piles100-150mm(Welding-COY)	M	452.22	1	49.36	**Driving pipe piles-100-150mm(Wld-COY)**: 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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**welding, cutting set provided by the COMPANY.**
370.	Drivingpipe piles100-150mm(Welding-CONT)	M	485.41	1	49.36A	**Driving pipe piles-100-150mm(Wld-Cont)**: 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**welding,cutting set provided by the contractor.**
390.	Drivingpipe piles200-250mm(Welding-CONT)	M	823.12	1	49.38	**Driving pipe piles-200-250mm(Wld-Cont):** 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 200 to 250mm but, in river or water logged areas including supply of pontoon etc.**complete and cutting, welding set provided by the contractor.**
400.	Driving timberpiles150-200mm	M	641.57	1	49.39	**Driving timber piles-150-200mm square:** Driving vertically timber piles of sizes as specified including all

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. **Pile size above 150mm square to 200mm square.**
410.	Driving timberpiles200-250mm	M	694.05	1	49.40	**Driving timber piles-200-250mm square**: 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.**Pile size from 200mm to 250mm diameter.**
420.	Driving timberpiles250-300mm	M	789.45	1	49.41	**Driving timber piles-250-300mm square**: 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						surplus exposed length as directed after driving. **Pile size above 250mm to 300mm diameter.**
430.	Driving timberpiles200-250mmwithPontoon	M	724.25	1	49.42	**Driving timber piles-200-250mmsq(River)**: 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. **Pile size above 250mm to 300mm diameter but in river or water logged area including supply of Pontoon etc.**
440.	DrivingNaharpiles250-300mmwithPontoon	M	819.64	1	49.43	**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.but in river or water logged areas including supply of Pontoon etc. **Pile size above 250mm to 300mm diameter.**

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450.	JointingNaharTimber Piles(200-250mm)	JT	2,558.68	1	49.44	**JointingTimber Piles(200-250mm)**: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. **Size of poles - 200mm to 250mm diameter.**
460.	JointingNaharTimber Piles(250-300mm)	JT	2,854.18	1	49.45	**JointingTimber Piles(250-300mm):** 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. **Sizeofpoles-above 250mm to 300mm diameter.**
470.	Cutting bitumen drums manualy	DR	204.10	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 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).
510.	ErectingFabricatedHSteelWork-Weld(Cont)	TO	7,499.74	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

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						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.
480.	ErectingFabricatedHeavySteelWork-Boltd	TO	9,679.63	1	49.47	**Erecting Fabricated Heavy Steel Work-Boltd**: 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	11,201.38	1	49.48	**Erecting Fabricated Light Steel Work-Boltd**: 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	6,338.24	1	49.49	**Erecting Fabricated H/Steel Work-Weld(Coy)**: 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						the fabricated steel from a distance upto 30.00m away to the site of work, (**welding and cutting sets shall be supplied by the company free of charge)**.
520.	ErectingFabricatedLSteel Work-Weld(Coy)	TO	8,001.16	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 **including operator and fuel costs provided by company.**
530.	ErectingFabricatedLSteelWork-Weld(Cont)	TO	9,162.66	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 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 **welding, cutting sets and operator, fuel supplied by Contractor**
540.	Placing plain pre-cast R.C.C. DECK SLAB	M3	1,160.46	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	4,126.19	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	3,535.20	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.
50 : HORTICULTURE						
10.	Making lawns	M2	41.13	1	50.1	Making lawns including ploughing and breaking of clod, 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	48.00	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)

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30.	Planting permanent hedges	M	176.00	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	33,182.00	1	50.4	Planting Flowering Plants and Shrubs in Central Verge
50.	Planting of trees by the road side	EA	1,308.00	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	7,833.00	1	50.6	Wrought iron and mild steel welded work using angles, square bars, tees and channel grills, grating frames, 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	1,820.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,254.00	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 wire3 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	95,237.00	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.
51 : TRAFFIC SIGNS, MARKINGS & OTHER ROAD APP						
10.	Printing new letterHindi/ Assamese	PLC	1.55	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)**Hindi andAssamese(Matras commas and the like not to be measured and paid for Half letter shall be counted as half)** **(Note: PAINT TO BE SUPPLIED BY THE CONTRACTOR. Measurment shall be per letter per cm**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						height)
20.	Printing new letter-English/ Roman	PLC	0.93	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) **English and Roman.** (Note: PAINT TO BE SUPPLIED BY THE CONTRACTOR. Measurment shall be per letter per cm height)
30.	RetroTrafficsigns90cmequilateraltriangle	EA	1,673.00	1	51.2.1	**Retro- reflectorised Traffic signs** (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).**90 cm equilateral triangle**
40.	RetroTrafficsigns60cmequilateraltriangle	EA	1,605.00	1	51.2.2	**Retro- reflectorised Traffic signs** (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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).**60 cm equilateral triangle**
50.	RetroTrafficsigns60cmCircular	EA	1,650.00	1	51.2.3	**Retro- reflectorised Traffic signs** (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).**60 cm circular**
60.	RetroTrafficsigns80x60cmrectagular	EA	1,718.00	1	51.2.4	**Retro- reflectorised Traffic signs** (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						seperately).**80 mm x 60 mm rectangular**
70.	RetroTrafficsigns60x45cmrectagular	EA	1,645.00	1	51.2.5	**Retro- reflectorised Traffic signs** (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).**60 cm x 45 cm rectangular**
80.	RetroTrafficsigns60x60cmsquqre	EA	1,676.00	1	51.2.6	**Retro- reflectorised Traffic signs** (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).**60 cm x 60 cm square**
90.	RetroTrafficsigns90cmOctagon	EA	1,785.00	1	51.2.7	**Retro- reflectorised Traffic signs** (Providing and fixing of

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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).**90 cm high octagon**
100.	Direction and place Identificationsigns	M2	2,044.00	1	51.3	**Direction and Place Identification signs upto 0.90 sqm size board**. (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 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)**(Supply of all materials except cement, Quarry materials to be paid seperately).**
110.	Direction and place Identificationsigns	M2	3,888.00	1	51.4	**Direction and Place Identification signs with size more than 0.90 sqm size board.** (Providing and erecting direction and place identification retro- reflectorised sign

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)(**Supply of all materials except cement, Quarry materials to be paid seperately).**
120.	Painting onConcrete Surfaces-PaintCont	M2	102.00	1	51.5	**Painting Two Coats on New Concrete Surfaces** (Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces)**Paint supplied by contractor of approved quality**
130.	Painting Lines new over 10cm-PaintCont	M2	154.00	1	51.6.1	**Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work**(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) **Paint supplied by contractor of approved quality Over 10 cm in width**
140.	Painting Lines new upto10cm-PaintCont	M2	125.00	1	51.6.2	**Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work**(Painting lines, dashes, arrows etc

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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) **Paint supplied by contractor of approved quality Up to 10 cm in width**
150.	Painting Lines old over10cm-PaintCont	M2	109.00	1	51.7.1	**Painting Lines, Dashes, Arrows etc on Roads in Two Coats on Old Work** (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)**Paint supplied by contractor of approved quality.Over 10 cm in width**
160.	PaintingLines old upto10cm-PaintCont	M2	119.00	1	51.7.2	**Painting Lines, Dashes, Arrows etc on Roads in Two Coats on Old Work** (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)**Paint supplied by contractor of approved quality)Up to 10 cm in width**
170.	Rd Marking with Hot Thermoplastic Compd	M2	283.58	1	51.8	**Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on**

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Bituminous Surface(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.**Paint supplied by contractor of approved quality.**
180.	FixingKMStone-5thKM(PreCast)	EA	2,700.00	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. **5th kilometre stone (precast)**
190.	Fixing KM Stone-Ordinary KM (PreCast)	EA	1,348.00	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.**Ordinary Kilometer stone (Precast)**
200.	Fixing KMStone-Hectometre (PreCast)	EA	460.00	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.**(iii) Hectometer stone (Precast)**
210.	Supply &installation of delineators	EA	371.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						dia circular reflectorised panels at the top, buried or pressed into the ground and confirming toIRC-79 and the drawings.)
250.	Reinf CementConcrete Crash Barrier	M	1,772.00	1	51.14	**Reinforced Cement Concrete Crash Barrier** (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) **M 20 grade concrete**
220.	Mak Boundary pillar all materials byCont	EA	582.00	1	51.11	**Boundary pillar** (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)(**Supply of all materials except cement by contractor)**
230.	ProvidingTubular Steel Railing on Medium	M	1,098.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.(**Supply of all materials except cement by contractor)**
240.	Tubular Railing onPost-Supply by Cont	M	739.00	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**(Supply of all materials except cement by contractor)**
260.	W : Metal Beam Crash Barrier	M	738.00	1	51.15	**Type - A, "W" : Metal Beam Crash Barrier** (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 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 Barrierall-materialsCont	M	934.00	1	51.16	**Type - B, "THRIE" : Metal Beam Crash Barrier** (Providing and erecting a "Thrie" metal beam crash barrier

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	FlexibleCrashBarrierWireRopeSafetyBarrie	M	243.00	1	51.17	Flexible Crash Barrier, Wire Rope Safety Barrier (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 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 gradecementconcretefoundation2400 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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
290.	AntiGlare Devices in Median with frame	M	226.00	1	51.18	**Anti-Glare Devices in Median**: 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	123.00	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 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	2,968.00	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	5,737.00	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						services
330.	Provid & laying CableDuct in Triple Row	M	8,535.00	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 & collar , excluding cement)(iii) Triple Row for three utility services
340.	Gantry Mounted Message Sign board	TO	77,734.00	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
380.	Portable Barricade inConst Zone-MatrCont	EA	2,737.00	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)
350.	Instal traffic attenuators atabutment	M2	1,533.00	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	804.00	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 with20 mm steel wire rope as per approved design and drawings)
370.	Instal traffic impactattenuator abutment	M2	2,338.00	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 system, water gets discharged from plastic tubes on impact over a pre-determined time, thus absorbing the

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						energy)
390.	Permanent type barricade made of steel	EA	4,043.00	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 of450, complete as per IRC:SP:55-2001)(Supply of all materials except cement)
400.	Permanent type barricade made ofWood	EA	7,851.00	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 of450, complete as per IRC:SP:55-2001)(Supply of all materials except cement)
410.	Permanent type barricade made ofBrick	EA	18,940.00	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.	EmptyDrum DelineatorinConstruction Zone	EA	480.00	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	676.00	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)
52 : CEMENT CONCRETE PAVEMENTS						
10.	Lean Cement Concrete Subbase-cementComp	M3	1,827.00	1	52.1	**Dry Lean Cement Concrete Sub- base** (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)**(Rate inclusive of all items except Cement which will be provided by Company)**
20.	Cement Concrete PavementexceptCement	M3	3,722.00	1	52.2	**Cement Concrete Pavement** (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, 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 exceptCement	M3	1,830.00	1	52.3	**Rolled Cement Concrete Base** (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 ratio15:1 and minimum cement content of 200

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.	ConstofBaseSub-base withleanconcfly ash	M3	1,870.00	1	52.4	**Construction of Base/Sub-base of pavement with lean concrete** - fly ash. (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: 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.)**(Rate inclusive of all items except Cement which will be provided by Company)**
50.	Cement Flyash pavement except cement	M3	3,819.00	1	52.5	**Cement - Fly ash concrete pavement.** (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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)**
53 : GEOSYNTHETICS AND REINFORCED EARTH						
10.	Const of subsurface of Geotextiles	M	1,450.27	1	53.1	**Construction of sub surface drain 200 mm dia** using geotextiles treated with carbon black with physical properties as given in clause 702.2.3 formed in to a stable 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	1,199.69	1	53.2	**Construction of a narrow filter sub- surface drain** 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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
30.	Provid &laying paving fabric	M2	399.82	1	53.3	**Providing and laying paving fabric** 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 SyntheticGeogrid	M3	1,036.00	1	53.4	**Laying Boulder Apron in Crates of Synthetic Geogrids** (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, 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.)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	Reinforced Earth Retaining Wall	M2		1	53.5.1	**Reinforced Earth Retaining Wall**: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.) (**Rate inclusive of all items except Cement which will be provided by Company)(i) Facing elements of RCC**
60.	Reinf earth Ret Wall with synth geogrids	M2	461.00	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 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	13.81	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						area as directed by engineer-in-charge. (Rate excluding cost of sand bags, boulders etc.)
54 : MISCELLANEOUS						
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 sprinkiling 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 shoulders&berm	M2	0.90	1	54.2.2	Cutting of branches of trees shrubs and trimming of grass 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 ofjungle etc.) and prepair 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 afterpreliminary survey."

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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	**Detail survey work.**(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 ofpermanent 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 boundary wall electric poles, telephone poles trees etc. in the road boundary, collectioand submission of existing inventory of the road all along the alignmen conducting survey@20 metre interval for L-section and for single laneX-section interval will be @ 0.75, 1.25, 1.875, 2.60, 3.75, 4.50, 5.5 land 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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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-Section and X-Scction)
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.CworksTaking&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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
140.	Survey for catchm arealessthen1.25 SqKm.	KM2	3,236.46	1	54.9.1	Performing details survey and investigation and collection of hydraulicdata (essential design data as per IRC special publication No.13 guidelnes for small bridges and culvert) regarding catfchment area, Lsectionof road and nalla, cross-section of nalla at the point of crossing at upstream and down stream as well as T.P. section result ascertainingand making of HFL/OFL transferring and fixing of pucca bench mark at site etc. complete i/c of all necessary material and labour requiredfor survey work after collection of all data prepare all drawing estimate with computer in eight copies, duly spiral binded.**For catchment area less then 1.25 Sq.Km.**
150.	Survey for catchm 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 guidelnes for small bridges and culvert) regarding catfchment area, Lsectionof road and nalla, cross-section of nalla at the point of crossing at upstream and down stream as well as T.P. section result ascertainingand making of HFL/OFL transferring and fixing of pucca bench mark at site etc. complete i/c of all necessary material and labour requiredfor survey work after collection of all data

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						prepare all drawing estimate with computer in eight copies, duly spiral binded.**For catchment area 1.25 to 2.50 Sq.Km."**
160.	Survey for catchm 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 guidelnes for small bridges and culvert) regarding catfchment area, Lsectionof road and nalla, cross-section of nalla at the point of crossing at upstream and down stream as well as T.P. section result ascertainingand making of HFL/OFL transferring and fixing of pucca bench mark at site etc. complete i/c of all necessary material and labour requiredfor survey work after collection of all data prepare all drawing estimate with computer in eight copies, duly spiral binded.**For catchment area beyond then 2.50 Sq.Km.**
170.	Cutting of bitumen drums at top	DR	61.09	1	54.10	Cutting of bitumen drums at top, bottom and longitudinally including flattening under the wheels of road roller.(**Road rollersupplied by company)**
210.	Sinking/Boring with 40-50 mm diameter	M	229.00	1	54.13	Sinking/Boring with 40-50 mm diameter casing/tube well pipe for hand pump/ tube well in all soils except ordinary hard rocks requiring blasting including removing the casing pipe after the hand pipe/tube well is lowered and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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).
180.	Sand Piling 150mm to 200mm dia	M	181.24	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).**(Supply of sand to be paid separately).**
190.	BAMBOO PILING including stiffness	M	196.58	1	54.11 A	**BAMBOO PILING including stiffness etc**. 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	105.48	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.
220.	Cutting across GR/Asph road for layinPL	M	305.00	1	54.15	**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 arrangements for passing wheeled traffic

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						and placing traffic sign during execution of work.
230.	Cutting across Kutcha road for layingPL.	M	187.23	1	54.16	**Cutting across Kutcha road for layingPL.**: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	93.61	1	54.17	**Add for every addnl pipeline(GR/Asph)**: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 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(Kutcha)	M	50.26	1	54.18	**Add for every addnl pipeline(Kutcha)**:Cutting across Kutcha road for layingPL.:), 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. Add for every

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						additional pipeline side by side.
260.	Construction of cement brick Kerb	M	91.41	1	54.19	**Construction of cement brick Kerb** 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	79.89	1	54.20	**Placing brick on edges on foot-path** in angle not more than 45 degree side by side in straight line and required curve including necessary earth cutting (depth not more 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	23.64	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	26.23	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
300.	Fixing Guard Posts / Sign Posts	EA	70.77	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.
340.	Filling&Placing emptycementbagswith sand	BAG	18.75	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.
310.	Fixing Guard Post of empty bitumen drum	EA	354.60	1	54.24	**Fixing Guard Posts of empty bitumen drums**, 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	37.45	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.
330.	Filling empty cement bags with sand	BAG	14.77	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
350.	Supply And Making Bamboo Rafts	ER	7,339.35	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	173.27	1	54.29	Inserting & fixing cleats/packing plates
370.	Providing 80 mm thk CC paver block-M30	M2	723.27	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 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	653.58	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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						
10.	Bamboo spur& palisadof 2nd class1800GL	M	698.00	1	58.1.1R	**Single bamboo spur and palisading of whole 2nd class bamboo (jati or Bethua)** 65 mm to 75 mm dia and closely packed & driven, including fitting fixing with half bamboo kamis horrizontally 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)Driven at least 900 mm below ground and 1800 mmabove ground on**
20.	Bamboo spur& palisadof 2nd class900GL	M	593.94	1	58.1.2R	**Single bamboo spur and palisading of whole 2nd class bamboo** (jati or Bethua) 65 mm to 75 mm dia and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						closely packed & driven, including fitting fixing with half bamboo kamis horrizontally 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)Driven at least 900 mm below ground and 900 mm above ground on**
30.	Bamboo spur& palisad of 1stclass1800GL	M	800.91	1	58.2.1R	**Single bamboo spur and palisading of whole 1st class bamboo** (Bholuka or Barua) 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 technicalspecifications.**(a) Driven atleast900 mm below ground and 1800 mm above ground**
40.	Bamboo spur& palisad of 1stclass900GL	M	451.93	1	58.2.2R	**Single bamboo spur and palisading of whole 1st class bamboo (Bholuka or Barua)** 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)Driven at least 900 mm below ground and 900 mm above ground on**

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
50.	Bamboo spur& palisad of 1stclass1200GL	M	451.54	1	58.2.3R	**Single bamboo spur and palisading of whole 1st class bamboo (Bholuka or Barua)** 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)Driven at least 600 mm below ground and 1200 mm above ground on**
60.	Bamboo spur A type with 2nd class bamboo	M	730.61	1	58.3.1R	**Bamboo spur 'A' type with whole bamboo 85mm-100mm dia,** 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.**(a)2nd class bamboo (jati or Bethua) 75 mm dia**
70.	Bamboo spur A type with 1st class bamboo	M	674.14	1	58.3.2R	**Bamboo spur 'A' type with whole bamboo 85mm-100mm dia,** 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)1st class bamboo(Bholuka or**

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Barua)85mmto100mm dia
80.	Single spur with 1st class bamboo	M	1,037.85	1	58.4R	**Providing 'A' type single spur with 1st class bamboo (Bholuka or Barua)85mm to 100 mm dia**. 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 metreapart 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 75mm dia	M	745.63	1	58.5R	**Providing close bamboo toe walling** consisting of 65mm to 75mm diabamboos of length ranging from 1.2 m to 3m driven at 150 mm centre to centreand provided with three horizontal split bamboo runner fixed with nails. Allbamboos to be duly protected by coal tar painting.
100.	Double timber spur with two rows	M	26,536.00	1	58.6R	**Double timber spur with tworows at800mm c/c apart of 1st class local woodpiles with timber of Azar/Nahar/Nageswar/Zarul** wood 150 mm to 200 mm dia driven 2000 mm minimum below ground and 3600 mm above ground averageplaced at 800 mm belts, bracings etc. of 100 mm x 75 mm size 1st class localwood longitudinally & crosswiswe at ends fitted with 10 mm dia

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						bolts and nutsetc. including coaltarring of timber members and cost of necessary bamboostagings etc. as directed by the Engineer as per drawing and technical specifications.
110.	Supplying and filling hollows of timber	M	145.00	1	58.7R	Supplying and filling up hollows of the timber spur to an average height of3600 mm above ground with jungle wood branches as per drawing and technicalspecifications as directed by the Engineer.
39 : SUPPLY OF QUERY MATERIALS						
39.01 : CHANDMARI						
10.	Supply of Local bricks- First Class	NO	11.55	1	NMRM-0001(CHN)	Supply of **Local bricks**- First Class
20.	Supply of Full size jhama Bricks	NO	10.64	1	NMRM-0002(CHN)	Supply of **Full size jhama Bricks**(slightly over burnt not badly out of shape)
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 **Sand Shingle**(containing 60 to 80% sand & 40 to 20% shingle of size 20mm graded down to 5mm), clean

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	1,669.69	1	NMRM-0009(CHN)	Supply of approved quality granular materials from approved quarry, free from organic matter including **stacking** in measurable stacks as directed.
80.	Supply of Hand broken stone (63mm-45mm)	M3	2,603.49	1	NMRM-0010(CHN)	Supply of **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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 (**Scantling**)free from knots & cracks.
120.	1st class Hollock timber (Planks)	DM3	45.25	1	NMRM-0018(CHN)	Supply of 1st class seasoned Hollock timber (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	15,836.60	1	NMRM-0019(CHN)	Supply of **Jati Bamboo** matured and of straight length not less than 8 meters long
140.	Bhaluka Bamboo matured.	PHP	25,036.60	1	NMRM-0020(CHN)	**Supply of Bhaluka Bamboo** 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-	Supply of Bamboo mat(2m x 2m)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					0023(CHN)	
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(**Tita chapa**),free from knots and weak spots.
200.	Sand for general use.	M3	1,336.65	1	NMRM-0026(CHN)	Supply of **Sand** for general use with normal moisture content to be clean and free from clay rubbish
240.	Broken stone-Boulder broken(18mm-10mm)	M3	2,910.54	1	NMRM-0034(CHN)	Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean
210.	Jhama bricks bats.	M3	2,197.85	1	NMRM-0027(CHN)	Supply of **Jhama bricks bats**-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.
39.02 : DIGBOI/ MAKUM/ HAPJAN						
10.	Supply of Local bricks- First Class	NO	11.85	1	NMRM-0001(D/M/H)	Supply of **Local bricks**- First Class
20.	Supply of Full size jhama Bricks	NO	10.64	1	NMRM-0002(D/M/H)	Supply of **Full size jhama Bricks**(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-	Supply of Boulder-150mm graded down to 100mm-hard

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					0004(D/M/H)	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 **Sand Shingle**(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 **stacking** 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 **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
90.	Broken stone (Boulder broken 25mm-12mm)	M3	2,909.96	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	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 (**Scantling**)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 (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	16,387.22	1	NMRM-0019(D/M/H)	Supply of **Jati Bamboo** matured and of straight length not less than 8 meters long
140.	Bhaluka Bamboo matured.	PHP	25,587.22	1	NMRM-	**Supply of Bhaluka Bamboo** matured and straight length

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					0020(D/M/H)	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(**Tita chapa**),free from knots and weak spots.
200.	Sand for general use.	M3	1,292.60	1	NMRM-0026(D/M/H)	Supply of **Sand** 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 **Jhama bricks bats**-each bat not smaller then 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)
240.	Broken stone-Boulder broken(18mm-10mm)	M3	2,852.46	1	NMRM-0034(D/M/H)	Broken stone (Boulder broken 18mm Greaded down to 10mm) hard & clean
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.
39.03 : DIKOM/ KATHALONI/ TENGAKHAT/ RAJGARH/ DE						
10.	Supply of Local bricks- First Class	NO	11.74	1	NMRM-0001(DKM/K/T)	Supply of **Local bricks**- 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	9.98	1	NMRM-0002(DKM/K/T)	Supply of **Full size jhama Bricks**(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 **Sand Shingle**(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	1,543.65	1	NMRM-0009(DKM/K/T)	Supply of approved quality granular materials from approved quarry, free from organic matter including **stacking** 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 **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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	M3	2,010.55	1	NMRM-	Supply of Broken stone(Boulder broken)(6mm graded

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	broken(06mm-02mm)				0016(DKM/K/T)	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 (**Scantling**)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 (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	15,616.36	1	NMRM-0019(DKM/K/T)	Supply of **Jati Bamboo** 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)	**Supply of Bhaluka Bamboo** 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)
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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
190.	Timber Ist class(Tita chapa).	DM3	76.06	1	NMRM-0025(DKM/K/T)	Supply of Timber Ist class(**Tita chapa**),free from knots and weak spots.
200.	Sand for general use.	M3	1,351.94	1	NMRM-0026(DKM/K/T)	Supply of **Sand** 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 **Jhama bricks bats**-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.
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
39.04 : DOOMDUMA/ BAGHJAN						
10.	Supply of Local bricks- First Class	NO	12.26	1	NMRM-0001(DUM/B)	Supply of **Local bricks**- First Class
20.	Supply of Full size jhama Bricks	NO	11.20	1	NMRM-0002(DUM/B)	Supply of **Full size jhama Bricks**(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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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 **Sand Shingle**(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 **stacking** in measurable stacks as directed.
80.	Supply of Hand broken stone (63mm-45mm)	M3	2,756.44	1	NMRM-0010(DUM/B)	Supply of **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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 (**Scantling**)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 (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	17,047.97	1	NMRM-0019(DUM/B)	Supply of **Jati Bamboo** matured and of straight length not less than 8 meters long

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
140.	Bhaluka Bamboo matured.	PHP	26,247.97	1	NMRM-0020(DUM/B)	**Supply of Bhaluka Bamboo** 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(**Tita chapa**),free from knots and weak spots.
200.	Sand for general use.	M3	1,290.76	1	NMRM-0026(DUM/B)	Supply of **Sand** 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 **Jhama bricks bats**-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
39.05 : JORAJAN/ SHALMARI/ TINIALI						
10.	Supply of Local bricks- First Class	NO	11.82	1	NMRM-	Supply of **Local bricks**- First Class

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					0001(J/S/TIN)	
20.	Supply of Full size jhama Bricks	NO	10.17	1	NMRM-0002(J/S/TIN)	Supply of **Full size jhama Bricks**(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-0008(J/S/TIN)	Supply of **Sand Shingle**(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	1,547.33	1	NMRM-0009(J/S/TIN)	Supply of approved quality granular materials from approved quarry, free from organic matter including **stacking** 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 **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					)	
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 (**Scantling**)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 (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	16,203.68	1	NMRM-0019(J/S/TIN)	Supply of **Jati Bamboo** 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)	**Supply of Bhaluka Bamboo** 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)
190.	Timber Ist class(Tita chapa).	DM3	76.06	1	NMRM-0025(J/S/TIN)	Supply of Timber Ist class(**Tita chapa**),free from knots and weak spots.
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)

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)
200.	Sand for general use.	M3	1,137.81	1	NMRM-0026(J/S/TIN)	Supply of **Sand** 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 **Jhama bricks bats**-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-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	2,788.18	1	NMRM-0034(J/S/TIN)	Supply of broken stone-Boulder broken(18mm graded - down to 10mm) heard & clean
39.06 : MORAN						
10.	Supply of Local bricks- First Class	NO	11.23	1	NMRM-0001(MRN)	Supply of **Local bricks**- First Class
20.	Supply of Full size jhama Bricks	NO	9.24	1	NMRM-0002(MRN)	Supply of **Full size jhama Bricks**(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	1,977.50	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 **Sand Shingle**(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 **stacking** in measurable stacks as directed.
80.	Supply of Hand broken stone (63mm-45mm)	M3	2,527.01	1	NMRM-0010(MRN)	Supply of **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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 (**Scantling**)free from knots & cracks.
120.	1st class Hollock timber (Planks)	DM3	44.85	1	NMRM-0018(MRN)	Supply of 1st class seasoned Hollock timber (**Plank)** free from knots & cracks.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
130.	Jati Bamboo matured.	PHP	15,653.06	1	NMRM-0019(MRN)	Supply of **Jati Bamboo** matured and of straight length not less than 8 meters long
140.	Bhaluka Bamboo matured.	PHP	24,853.06	1	NMRM-0020(MRN)	**Supply of Bhaluka Bamboo** 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)
210.	Jhama bricks bats.	M3	2,020.12	1	NMRM-0027(MRN)	Supply of **Jhama bricks bats**-each bat not smaller then 1/3 of a full brick
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(**Tita chapa**),free from knots and weak spots.
200.	Sand for general use.	M3	1,594.82	1	NMRM-0026(MRN)	Supply of **Sand** for general use with normal moisture content to be clean and free from clay rubbish
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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
39.07 : NHK (N/S)						
10.	Supply of Local bricks- First Class	NO	11.74	1	NMRM-0001(NHK)	Supply of **Local bricks**- First Class
20.	Supply of Full size jhama Bricks	NO	10.27	1	NMRM-0002(NHK)	Supply of **Full size jhama Bricks**(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 **Sand Shingle**(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	1,363.79	1	NMRM-0009(NHK)	Supply of approved quality granular materials from approved quarry, free from organic matter including **stacking** in measurable stacks as directed.
80.	Supply of Hand broken stone (63mm-45mm)	M3	2,297.59	1	NMRM-0010(NHK)	Supply of **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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 (**Scantling**)free from knots & cracks.
120.	1st class Hollock timber (Planks)	DM3	44.85	1	NMRM-0018(NHK)	Supply of 1st class seasoned Hollock timber (**Plank)** free from knots & cracks.
130.	Jati Bamboo matured.	PHP	15,653.06	1	NMRM-0019(NHK)	Supply of **Jati Bamboo** matured and of straight length not less than 8 meters long
140.	Bhaluka Bamboo matured.	PHP	24,853.06	1	NMRM-0020(NHK)	**Supply of Bhaluka Bamboo** 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(**Tita chapa**),free from knots and weak spots.
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.
200.	Sand for general use.	M3	1,105.38	1	NMRM-0026(NHK)	Supply of **Sand** for general use with normal moisture content to be clean and free from clay rubbish

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
210.	Jhama bricks bats.	M3	2,290.05	1	NMRM-0027(NHK)	Supply of **Jhama bricks bats**-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)
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
39.08 : KUMCHAI W.E.F 22.08.2022						
10.	Supply of Local Bricks - First Class	NO	11.85	1	NMRM-0001(KUM)	Supply of **Local bricks**- First Class
20.	Supply of Full size Jhama Bricks	NO	10.64	1	NMRM-0002(KUM)	Supply of **Full size jhama Bricks**(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-0008(KUM)	Supply of **Sand Shingle**(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	1,561.11	1	NMRM-0009(KUM)	Supply of approved quality granular materials from approved quarry, free from organic matter including **stacking** in measurable stacks as directed.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
80.	Supply of Hand broken stone (63mm-45mm)	M3	2,492.22	1	NMRM-0010(KUM)	Supply of **Hand broken hard stone metal** from river boulder fairly cubical in shape, free from dust/dirt disingrated pieces, organic and other foreign matters(**63mm to 45mm graded**)
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 (**Scantling**)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 (**Plank)** free from knots & cracks.
130.	Supply of Jati Bamboo matured.	PHP	16,387.22	1	NMRM-0019(KUM)	Supply of **Jati Bamboo** 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)	**Supply of Bhaluka Bamboo** 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
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	DM3	76.74	1	NMRM-	Supply of Timber Ist class(**Tita chapa**),free from knots

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	chapa)				0025(KUM)	and weak spots.
200.	Supply of Sand for general use	M3	1,253.93	1	NMRM-0026(KUM)	Supply of **Sand** 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 **Jhama bricks bats**-each bat not smaller then 1/3 of a full brick
250.	Broken stone (Boulder broken 25-12mm)	M3	1,936.87	1	NMRM-0035(KUM)	
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)
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-0039(KUM)	
300.	Supply of Bamboo(DOLO/KALO)	PHP	3,210.85	1	NMRM-0040(KUM)	
39.09 : MANABHUM W.E.F 22.08.2022						
10.	Supply of Local Bricks - First Class	NO	12.68	1	NMRM-	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					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-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)	

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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)	
210.	Supply of Jhama bricks bats.	M3	2,628.14	1	NMRM-0027(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)	
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)	
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-	

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
					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)	
40 : COMPOSITE ITEMS CPWD						
10.	Anodised Aluminium work-D/W/V/Patition	KG	363.02	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, 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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
20.	Powder Coated Alumn Wrk-D/W/V/Patition	KG	391.06	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/Patition	KG	398.38	1	40.C:21.1.1.3	: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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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/Patition	KG	435.85	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	464.47	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 separately).Powder coated aluminium (minimum thickness of powder coating 50 micron)
60.	Poly. Coated Alumn Wrk Shutter D/W/V/P	KG	471.94	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	792.33	1	40.C:21.2.1	: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 one side and balancing lamination on other side.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
80.	Prelam Brd Partition-2 side decorative	M2	780.13	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	808.37	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	1,073.81	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 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	1,221.90	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	2,068.27	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	2,207.65	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 .
140.	Powder Coat Alumn Frame Wrk for Ceiling	KG	557.53	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	57.96	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	505.00	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 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) .

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
170.	PowderedAluminiumCovering -expansionJnt	KG	533.05	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 selnt -5mmdepth	M	74.00	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 portn	KG	11.61	1	40.C: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 AddlAnodicCoating-shutter	KG	11.62	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
210.	HermeticallySealedGlazing -W/V/partition	M2	3,366.82	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	249.50	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	281.09	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
240.	StainlessStlAdjustStays-SdehungW355X19mm	EA	246.25	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-	EA	641.16	1	40.C:21.11.4	:Providing and fixing stainless steel (SS 304 grade)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	SdehungW510X19mm					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
290.	PolystrCoatedMinAluminiumTubular Handle	EA	499.27	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.
260.	StainlessStlAdjustStays-SdehungW710X19mm	EA	1,094.14	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	444.23	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	487.88	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 coated minimum thickness 50 micron aluminium tubular

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						handle bar.
300.	100mm brass locks for aluminium doors	EA	372.69	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.	AnodisedAluminiumSub frame work for W/V	KG	306.90	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.	AluminCasementWindowsFastener-Anodized	EA	63.21	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.	AluminCasementWindowsFastener-PowdrCoat	EA	68.60	1	40.C:21.15.2	:Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.Powder coated minimum thickness 50 micron aluminium.
340.	AlumnCasementWindowsFastener-PolyesterCt	EA	67.30	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						minimum thickness 50 micron aluminium.
350.	Aluminium round handle-100mm Anodized	EA	76.41	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	77.15	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	79.47	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	472.55	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						Engineer-in-charge. (Only weight of grill to be measured for payment).
420.	Insul. Brd Ceiling-12mm Flame Retardnt	M2	751.67	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.
390.	P/F 12mm thk toughened glass	M2	4,755.97	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	611.12	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	643.07	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 thick

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430.	12 mm thick Particle board in ceiling	M2	710.14	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	610.48	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 Cutng in Ceiling with20mm Plnk	M	501.19	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 Cutng in Ceiling for insul brd	M	297.54	1	40.C:12.27.2.1	:Extra for Circular cutting and waste in ceiling with:Natural colour insulating board-12 mm
470.	Extra forCutng in Ceiling-White face brd	M	301.52	1	40.C:12.27.3.1	:Extra for Circular cutting and waste in ceiling with:white face insulating board-12 mm
480.	Extra for Cutng in Ceiling-F/retdent brd	M	315.03	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	285.52	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	M	297.46	1	40.C:12.27.5.	:Extra for Circular cutting and waste in ceiling

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	Std brd				2	with:Standard quality hard board sheet -4.5 mm thick
510.	Extra for Ceiling in narrow curved face	M2	262.50	1	40.C:12.28	:Extra for fixing ceiling to curved surfaces in narrow widths
550.	Providing 10mmPoP upto 5m Ht: Curved	M2	1,297.76	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
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 xl5xl.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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,090.61	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 "
560.	Extra for 10mm PoP ceiling mouldings	M2	361.96	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	158.19	1	40.C:12.33	Extra for providing plaster of Paris (Gypsum anhydrous) ceiling above 5metres height from floor level (Note: rate for every 1m height).
580.	P/F underdeck glass wool: 24kg/m3	M2	473.61	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						x 24 gauge wire mesh, for top most ceiling of building.
590.	P/F underdeck glass wool: 16kg/m3	M2	196.84	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	226.41	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	251.97	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	4,993.45	1	40.C:5.44.1	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	6,115.46	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	7,835.64	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
680.	P/F extr. aluminum exp.joint: Roof-100mm	M	4,667.07	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 rrangement support plates asper 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 resists 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 confirm to ASTM 6063.: Roof Joint of 100 mm gap
650.	P/F extr. aluminum exp.joint: Wall-100mm	M	4,156.01	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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	4,679.84	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
670.	P/F extr. aluminum exp.joint: Wall-200mm	M	5,403.46	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
690.	P/F extr. aluminum exp.joint: Roof-150mm	M	5,195.55	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 rrangement support plates asper 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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 resists 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 confirm to ASTM 6063.: Roof Joint of 150 mm gap
700.	P/F extr. aluminum exp.joint: Roof-200mm	M	6,207.22	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 rrangement support plates asper 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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 resists 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 confirm to ASTM 6063.: Roof Joint of 200 mm gap
710.	P/F mirr.finsh Lining:18mmItalian marble	M2	7,425.32	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 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	M2	2,069.66	1	40.C:8.12	Providing and laying flamed finish Granite stone flooring in

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	stone					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	5,119.65	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 (averege) 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.
740.	P/F mirr.finshFloor: Ita.Marble/Pattern	M2	5,364.76	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 mossaic tiles	M2	2,793.86	1	40.C:11.53	Providing and fixing Glass mossaic 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 mosaic 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:
760.	P/F removable raised floor: 300mm FF Ht	M2	4,352.62	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 side of the panel to ensure the quality of the product.: 300 mm Finished Floor Height "
770.	P/F removable raised floor: 450mm FF Ht	M2	4,624.41	1	40.C:11.54.2	"Providing and fixing removable raised/false access flooring with system and its components of approved

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 side of the panel to ensure the quality of the product.: 450 mm Finished Floor Height "

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
810.	P/F RockwoolInsulation:Existing Ceiling	M2	222.40	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 ceilng and held in position by criss-crossing GI wire.
780.	P/F tiled False ceiling 8mm perforated	M2	1,538.05	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						fixed to ceiling with 12.5 mm dia and 50 mm long dash 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	1,038.70	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanels 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, specificaton 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						manufactured through autoclaving process.
800.	P/F RockwoolInsulation: Topmost Ceiling	M2	448.06	1	40.C:12.60	Providingand 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.
820.	P/F Rockwool insulation: Wall	M2	227.32	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 wirh screw, rawel plug & washers and held and in position by criss cossing GI wire etc. complete as per directions of Engineer-in-Charge.
830.	P/applying 2 coats High Albedo paint	M2	250.67	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 strctly as per 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 perfomance of SRI and also the

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						durabitity of coating, all complete as per direction of Engineer-in-incharge.
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 dia	M		1	40.C:19.35.4	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: 1000 mm dia RCC pipes. (Laying by mannual/machenical means)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
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 mannual/machenical 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 mannual/machenical means)
900.	P/Laying NP4 RCC pipe: 300mm dia	M	2,302.17	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.
940.	P/Laying NP4 RCC pipe: 1200mm dia	M	8,381.12	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 mannual/machenical means)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
910.	P/Laying NP4 RCC pipe: 600mm dia	M	3,003.95	1	40.C:19.36.2	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: 600 mm dia RCC pipes.
920.	P/Laying NP4 RCC pipe: 900mm dia	M	5,644.35	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	7,008.15	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 mannual/machenical means)
950.	P/Laying NP4 RCC pipe: 1800mm dia	M	16,929.31	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 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 mannual/machenical means)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
960.	P/Supplying extruded Al sections	KG	321.59	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. (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	2,701.04	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: (a) Structural analysis, design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing 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 & drainage and protection against

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						fire hazard including: (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 Dimentional 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 seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (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. (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 gap between the building structure and all its interfaces with curtain glazing to make it watertight. (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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&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 The cost of providing extruded aluminium frames, shadow 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						grooves) on the external face shall be measured in sqm. up to two decimal places. "
980.	P/assembling vision glass panels (IGUs)	M2	2,932.11	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 strengthned 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 of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						%, 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	2,872.68	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 Engineerin-Charge.
1000.	P/f shadow box for structural glazing	M2	1,696.59	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 having density 48 Kg/cum, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 1of 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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,921.60	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 relevent Item*). (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."

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1020.	Design/fab/installing ACP Cladding	M2	3,884.17	1	40.C:26.7	"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: (a) Structural analysis & 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. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metalic 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. # (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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. """
41 : CUSTOMISED OIL SPECIFIC ITEMS						
10.	Cutting lawn grass & disposal	M2	1.52	1	41.1.1	:Cutting lawn grass by dao / sickle/lawnmover 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	0.72	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	0.63	1	41.1.3	:Cutting grass in zones other than lawn excluding disposal

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						of the same as directed.
40.	Jungle cutting/removal upto 150mm girth	M2	2.01	1	41.1.4	:Jungle cutting and clearing including removal of cut 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	2.35	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. :
60.	Cutting / trimming of tree as directed.	M3	143.45	1	41.2.1	:Cutting / prunning / trimming of tree branches and stacking at site within 30 m or as directed.
70.	Cutting/removing creepers/ wild growth	M2	12.05	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	18.36	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	20.15	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
100.	Cutting&removing bamboos(Jati/ Bhaluka)	NO	14.34	1	41.3.1	:Cutting and removing bamboos (Jati / Bhaluka) and stacking them at about 30m. distance away from site of operation including cutting branches and cleaning the site.
110.	Uprooting tree stumps & removing to 30m	EA	240.99	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	415.52	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	995.17	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	1,176.25	1	41.3.5	:Uprooting bamboo stumps
180.	Sand / silt filling in 150mm layers.	M3	196.35	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)

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
150.	Maintenance of Comp. Nurseries-A (P-II)	M2	6.46	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	2.64	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.
170.	Large scale spraying of 'Weed Killer'	HA	1,390.03	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).
190.	Collecting/excavating sand, soil, silt.	M3	465.33	1	41.7.2	: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.)
200.	Clearing / removing mud etc. upto30m.	M3	810.61	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						to a distance of upto 30m.
210.	Clearing/removing, mud, silt etc.of 30m	M3	487.71	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.
220.	Turfing after dressing&grading surface	M2	54.74	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.
230.	Lead on turfing every additional-15m	M2	13.68	1	41.9.2	:Lead on turfing for every additional 15m or part thereof over the first 100m applicable to item no. III-1.
240.	Trowel finishing concrete surface.	M2	86.21	1	41.10.1	:Trowel finishing concrete surface.
250.	Cement plaster skirting 25mm th.(1: 3)	M2	437.65	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.
260.	Fire brick work with fire clay .	M3	2,273.35	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.
270.	Cutting&dressing bricks wok, fire places	NO	20.02	1	41.11.2	:Cutting and dressing ordinary bricks for fire- places and arch work etc.

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310.	Cutting groove in brick walls.	M	61.29	1	41.12.1	:Cutting groove in brick walls for conduit 50mm to 100mm wide and 50mm to 100mm deep as directed.
280.	Repairing to furnace brick work.	M3	3,227.91	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.
290.	Fire clay plaster upto ht. 1.50m,20mm to	M2	164.40	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.
300.	Fire clay plaster above 1.50m upo 4.0m	M2	186.06	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 75-100mm bk. wall upto 1.50m ht.	EA	132.17	1	41.12.2	: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.
330.	Cutting 75-100mm br. wall above1.50m ht.	EA	169.29	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.

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						but above 1.50m height.
340.	Cutting 75-100mm bk Wall through 115mm	EA	67.38	1	41.12.4	:Cutting 75mm to 100mm square hole through 115mm thick brick wall using chisel and hammer up up to any height for crossing electric wiring, gas or water line etc. and making good with cement mortar after the pipe is laid.
350.	Lathe plastered walling 65mm thick	M2	562.31	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.
360.	Lathe plastered walling, exc. frame work	M2	500.11	1	41.13.2	:Lathe plastered walling 65mm thick with bamboo lath and cement sand plaster in prop. 1 cement : 5 sand, excludingtimber frame work complete with two coats of white washing and timber oiling one coat including making and removing working platform / staging, curing etc complete. removal of debris and cleaning the area.
370.	Dismantling bamboo mat walling.	M2	19.63	1	41.14.1	:Dismantling bamboo mat walling including bamboo frame and removal of debris and stacking the removed materials as directed.
380.	Re-screwing C.I. sheet on roof / wall	M2	13.68	1	41.15.1	:Re-screwing C.I. sheet on roof or wall with roofing screws and sheet bolts any height.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
390.	Erecting asbestos sheet roof / wall.	M2	70.53	1	41.15.2	:Erecting asbestos sheet roof or wall on plane apex with all accessories complete (FLARE wall/ sound barrier wall).
400.	Erecting rain-guard over window.	EA	506.70	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.
440.	Colour Skinning of floor & skirting	M2	55.98	1	41.19.1	:Colour Skinning on top of granolithic floor and skirting with coloured oxide powder mixed with cement in required proportion.
410.	Erecting rain-guard to lath plaster .	EA	423.12	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 .
420.	Prov. bituminous 6mm th.tar-felt roof .	M2	99.65	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						manual compaction.
430.	Stopping leaks with plastic compound.	NO	11.39	1	41.18.1	:Stopping leaks with approved plastic compound on C.G.I./A.C. sheet roof / wall.
450.	13mm th.colourcrete topping in prop.1:3	M2	267.50	1	41.19.2	:13mm thick colourcrete topping on floor, Dado and skirting in proportion 1 : 3.
460.	Dismantling 10-25mm th. cement plaster	M2	85.65	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.
470.	Dressed timber work .	DM3	28.79	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.
480.	Semi-dressed timber works.	DM3	18.88	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.
490.	Undressed timber works.Cons. 6m	DM3	8.64	1	41.21.3	:Undressed timber works for frames, posts, trusses,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	K. Post.					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.
500.	Undressed timber works, temporary stage	DM3	7.88	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.
510.	Undressed timber works, in 'Pandals'	DM3	6.11	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.
520.	Hanging double leaf D / W shutters.	SET	666.29	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.
530.	Making mosquito netting for windows.	M2	413.57	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
570.	M / F timber curtain rods& brackets.	SET	162.52	1	41.26.1	:Making and fixing standard timber curtain rods & brackets.
540.	Easing D/W (dismt, dressing&refitting)	EA	550.61	1	41.24.1	:Easing door / windows (dismantling, dressing & refitting) including fixing, fittings, where necessary.
550.	Fixing glass panes (over size1300sq.m)	M2	710.27	1	41.25.1	:Fixing glass panes (over size 1300 sq. cm) on steel/timber door / window frames with nails and putty.
560.	Fixing G. panes, for size upto 1300sqm.	M2	645.70	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.	Fixing mosquito curtain wires with bars	SET	897.67	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.
590.	Fixing galvanized wire 12 gauge for C/M	EL	207.15	1	41.28.1	:Fixing galvanized wire 12 gauge for cloth lines / mosquito curtain on two hook bolts.

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600.	Dressing/plan./mak & fitt timber beads.	EA	151.91	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.
610.	Dressing/plan./mak & fixing chicken wire	M2	512.18	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.
620.	Making of standard timber gate, dressing	M2	1,021.49	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.
630.	Making air conditioner frame - dressed	EA	1,287.08	1	41.32.1	:Making air conditioner frame with dressed timber work (composite type) size approx. 711mm x 470mm including 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.
640.	Placing XPM / IRC fabric reinforcement	M2	89.77	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						roofs, covering slabs etc to facilitate laying concrete.
650.	Fixing IRC fabric- glazed win / other	M2	164.76	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).
660.	Erecting steel gate on existing posts.	M2	157.47	1	41.35.1	:Erecting steel gate of any size on existing posts.
700.	Laying one line of pipe 100- 200mm dia.	M	186.59	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.
670.	Repair, rolling shutter dismt &refitting	M2	433.43	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).
680.	Repairing collapsable shutter	M2	463.31	1	41.36.2	:Repair and servicing ofcollapsible shutter and collapsible gate of any kind including dismantling and refitting, replacing damaged parts, if necessary (spare parts to be supplied by company).
690.	Fixing 2nd hand pipe post 75-100mm dia.	EA	314.75	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 of 30cm x 30cm x 45cm including earth cutting to required size and curing but excluding shuttering work. (C.C. work

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						to be paid separately).
710.	Sinking of 40mm to 50mm dia. tube-well	M	230.13	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.
720.	Fitt/ fix of bitumen drums- upto D-0.20m	EA	310.99	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.
730.	Fitt/pump Extracting 40-50mm tube well	M	69.88	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.
740.	Erecting pipe flag pole, digging hole	M	163.82	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 of flag pole 8.00m above ground and size upto 75mm dia.).
750.	Taking out Flag pole & dressing	M	58.58	1	41.42.2	:Taking out erected flag pole, filling the hole, levelling and dressing the place.
760.	Dismantling 3.00m wide steel gate	EA	273.67	1	41.44.1	:Dismantling 3.00m wide steel gate (single or double leaf)

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	(S/D)					from existing post including removal and stacking at site as directed.
770.	Dismantling portable well security fence	SET	4,042.72	1	41.44.2	:Dismantling standard portable type well security fence with post & gate and transporting all materials to construction yard and stacking.
780.	Dismantling fence with Pipe post & gate	SET	5,997.93	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.
790.	Erection security fence with bamboo post	SET	7,385.82	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).
830.	Dressing/planning 75mmx 50mm--ceiling	M2	129.89	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.
800.	Dismt. fence with bamboo posts-MS	SET	2,569.82	1	41.44.5	:Dismantling of well security fence with bamboo posts

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	gate					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).
810.	Welding set, supplied by the contractor	PD8	2,251.76	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).
820.	Welding set supplied by the company.	PD8	1,275.62	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.	Fitting Hessain cloth ceiling tightening	M2	48.01	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 line over the joints of Hessian cloth and in frames by nailing in panels not exceeding 1.44 sqm.
850.	Repair, ceiling of prestressed concrete	M	57.54	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						and rendering surfaces etc.)
860.	Making mosquito proof box	EA	1,394.96	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.
870.	Making box type ceiling ventilators	EA	526.21	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 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.

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880.	Wire brushing, scrapping etc-steel work	M2	47.17	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.
890.	Wire brushing, two coats heat, paint.	M2	59.28	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.
900.	White washing- wall/frame with one coat	M2	19.91	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 materials etc.
910.	White washing wall / frame but two coats	M2	28.79	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
920.	White washing ceiling & strips one coat	M2	27.62	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.
960.	Cement glue washing, one coat	M2	21.88	1	41.51.1	: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.
930.	White washing ceiling & strips two coat	M2	30.49	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.
940.	Marking track lines for sport ground	M	3.09	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.
950.	Remarking track lines on existing alig	M	1.38	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, two coat	M2	39.73	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
980.	Wire brushing cleaning floor	M2	114.76	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.
990.	Painting bath room fittings	SET	1,012.42	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.
1000.	Painting bath room fittings-Jr E. B'low	SET	478.02	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).
1010.	Painting steel tower/derrick- one coat	M2	71.20	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 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.
1020.	Painting steel tower/derrick-Two	M2	83.40	1	41.54.2	:Painting steel works, one coat in towers and derricks and

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
	coats					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.
1030.	White washing trees upto 1.0m two coats	EA	18.18	1	41.55.1	:White washing stems of trees upto a height of 1.00m from ground level, two coats.
1040.	White washing trees Guards two coats	EA	27.37	1	41.55.2	:White washing trees guards- two coats.
1050.	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.
1090.	Fitting/fixing white vitreou WC commode	EA	1,461.41	1	41.58.3	:Fitting and fixing white vitreous W.C. commode (after removing broken one) with white / black plastic seat and led, 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).
1060.	Scraping & cleaning old paint-hospital	SET	2,216.14	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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1070.	Dismantling of water closet- P/S trap .	EA	972.71	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.
1080.	Replacing and re-fixing hand basin/sink	EA	1,585.39	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.	Replacing / re-fixing of sink.	EA	1,849.40	1	41.58.4	:Replacing and re-fixing of white vitreous / mosaic / steel sink.
1110.	Repairing & renewing high level cistern	SET	363.55	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 .
1120.	Repairing & renewing low down-cistern	SET	281.55	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.
1130.	Replacing rundown pipes of	EA	416.11	1	41.58.7	:Replacing rundown pipes of standard length with bend

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	standard L.					for low down cistern and making good all damages complete as directed.
1140.	Replacing run down pipes with bend	EA	540.50	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.
1150.	Replacing & refitting China bowl urinal	EA	487.95	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.
1160.	Replacing & refitting urinal	EA	743.07	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.
1170.	Dismantling bath tub- fitting perfectly	SET	775.59	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 damaged portion, depositing all serviceable and unserviceable materials to Company's godown as directed with necessary masonry work complete.
1180.	Dismantling kitchen sink / wash basin	SET	497.35	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						materials to the company's godown after recovery.
1220.	Repairing hot & cold mixture- wash basin	SET	124.40	1	41.64.2	:Repairing of hot and cold mixture for wash basin, shower, bath tub etc. by replacing / readjusting washer, spindle etc. complete.
1190.	Repairing bib cock, pillar cock etc.	EA	50.26	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.
1200.	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.
1210.	Fitting, fixing hot and cold mixture val	SET	431.32	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.	Fitting /fixing manifold for gas Chullah	SET	186.59	1	41.65.1	:Fitting / fixing manifold for gas Chullah including necessary clamping the assemblies properly complete.
1240.	Replacing/refitting-gas Chullah	SET	224.92	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.

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1250.	Fitting & fixing gas burner fixing valve	SET	124.40	1	41.65.3	:Fitting and fixing gas burner including fixing valve, bend, nipple, etc. complete.
1260.	Removing damaged ring gas burner/refit.	SET	328.24	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.
1270.	Repairing & servicing of gas burner	SET	124.40	1	41.65.5	:Repairing and servicing of gas burner of any type including refitting the same in proper position complete.
1280.	Fitting & fixing of gas burner with case	SET	157.91	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.
1320.	Dismantling wash hand basin	SET	99.52	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.
1290.	Dismantling gas burner with casing	SET	74.64	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.
1300.	Fitting, fixing etc. wash hand basin	SET	147.74	1	41.66.1	:Fitting, placing and fixing wash hand basin including waste coupling and waste pipe with ready made stand complete for temporary socio-religious welfare works.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1310.	Removing and fitting water taps i	NO	124.40	1	41.66.2	:Removing and fitting water taps etc. at supply point including accessories and pipes etc. (Temporary job).
1330.	Fitting, fixing & placing S.W heater	SET	2,547.46	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.
1340.	Dismantling salamander of size 22 / 45	EA	2,378.46	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.
1350.	Fitting / fixing / placing balance tank	EA	926.88	1	41.68.1	:Fitting / fixing / placing balance tank including connecting ball cock / overflow / inlet / outlet pipes already laid for single storeyed building.
1360.	Fitting / fixing / placing tank,double s	EA	1,070.32	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.
1370.	Cleaning/servicing tank size-50 gallons	EA	502.64	1	41.69.1	:Cleaning and servicing of balance tank for size upto 50 gallons capacity.
1380.	Cleaning/srv tank size above 50 gallons	EA	640.80	1	41.69.2	:Cleaning and servicing of balance tank for size upto 50 gallons capacity., but for size above 50 gallons capacity.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1390.	Dismt/discont & dismounting tank-single	EA	1,434.92	1	41.69.3	:Dismantling / disconnecting and dismounting balance tank from single storeyed buildings / staging and delivery to workshop for repair.
1400.	Dismt/discont & dismounting tank-double	EA	1,535.44	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.
1410.	Cement brick work (1 :6)for trap drain	M	330.04	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.
1450.	Drains upto a depth of one metre	M	31.59	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.
1420.	Cement brick work (1 :6)for trap drain	M	310.24	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 cement : 8 sand) 15mm thick neat finish on plaster (1 cement : 3 sand) at bottom, curving, rounding of the

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
1430.	Making shallow kutcha drains .	M	28.69	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.
1440.	Cleaning Kutcha surface drain-all silt	M	17.21	1	41.71.1	:Cleaning Kutcha surface drain of all silt, debris etc. by necessary dressing and removing to 30m away.
1460.	Hanging /fixing banner of any size	EA	45.12	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.
1470.	Hanging/fixing banner, contractor supply	EA	111.54	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 bamboo (bamboo to be recovered & retained by contractor).
1480.	Making/fixing/erecting gate,by bamboo	SME	238.23	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).

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1490.	Timber structure supplied by Company	SME	179.32	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.
1500.	Straightening, cleaning, XPM/IRC sheets	M2	47.04	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.)
1510.	Straightening,/binding wireby contractor	M2	20.72	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, (binding wire being supplied by contractor.)
1520.	Welding set being supplied by company.	M2	19.90	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1530.	Straightening, cleaning, excl frame work	M2	31.10	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).
1540.	Erection of barbed wire fencing	M2	59.89	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 .
1580.	Fixing chicken wire netting .	M2	41.47	1	41.78.1	:Fixing chicken wire netting with timber beads on timber frame (or with steel flat on steel frame).
1550.	Straightening, cler. erecting R.C.C post	M2	59.89	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).
1560.	Dismantling woven wire/jingle with post	M2	20.73	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.
1570.	Dismantling/refit old woven wire/jingle	M2	43.06	1	41.77.2	:Dismantling old woven wire/jingle wire fence & refitting with new fence including collecting & stacking old materials as directed.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1590.	Stringing&fixing one line barbed wire	M	4.53	1	41.79.1	:Stringing and fixing one line of barbed wire on existing posts with staples / GI wire.
1600.	String& fixing barbed wire-over hangs	M	11.17	1	41.79.2	:Straightening and fixing one line of barbed wire on over hangs with galvanised wire etc.
1610.	Fastening ext jingle/woven wire fence	M	17.94	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).
1620.	Filling sand of minimum 0.025cu. m	NO	19.13	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).
1630.	Erecting boundary pillar of triangular	EA	124.40	1	41.82.1	:Erecting boundary pillar (Provided by Company) of 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.
1640.	Driving vertcl pipe piles dia 100-150mm	MOP	458.10	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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).
1650.	150mm to 200mm dia. pipe piles.	MOP	625.82	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.
1660.	100x 100 mm to 150x 150mm timber piles.	MOP	634.24	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) .
1670.	Cutting, cleaning etc. upto of 2 Kms.	M3	459.02	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.
1710.	Dismtl temp/ semi permt shed / roof	M2	19.05	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
1680.	Making temporary sheds with Jati bamboo	M2	53.57	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).
1690.	Making semi permanent with Jati Bamboo	M2	93.20	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.
1700.	Making semi with Jati Bamboo for walling	M2	6.46	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.	Making flare pit wall using empty drums	EA	248.79	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 & tying with wire rope complete.
1730.	Making singleV pattern terza wall-jati	M2	121.40	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.
1740.	Making & fixing fine bamboo mat walling	M2	91.20	1	41.88.2	:. Making & fixing fine bamboo mat walling with 30cm square split bamboos battens both sides including supply

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						of materials for building works only.
1750.	Repair to wall, doors etc.single terza	M2	49.66	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 serviciable.
1760.	Repair&replace to wall, door etc. single	M2	91.93	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).
1770.	Replacing single terza wall, new terza	M2	93.27	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.
1780.	Making&fixing bamboo mat wall-8 Kms	M2	95.49	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 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.
1790.	Making&fixing bamboo mat wall-binding	M2	95.49	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						including 30cm square bamboo frame work exclusively for compound fencing/curtain walls only.
1800.	Fixing Jati bamboo post-1.5m for fence	OME	28.94	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.
1840.	Fixing not more 3.5 M high with bhaluka	OME	46.51	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.
1810.	Replacing Jati bamboo post for fencing	OME	49.96	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 .
1820.	Making/fixing Bamboo mat ceiling	OME	80.10	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).
1830.	Fixing not more than 3.5 M high-Jati .	OME	42.21	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						ramming complete.
1850.	Repair bamboo ceiling n't replac frame	M2	113.04	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.
1860.	Replacing bamboo mat ceiling 18 g thick	M2	130.97	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.
1870.	Making & hanging flap door-single terza	EA	244.12	1	41.93.1	:Making and hanging flap door of single terza complete with standard loching arrangements including supply of all materials.
1880.	Making/hanging door but w-(600x600 mm)	EA	99.65	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)
1890.	Erecting bamboo fencing one metre height	M	100.04	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.
1900.	Erecting diamond shaped bamboo fencing	M	166.46	1	41.94.2	:Erecting diamond shaped bamboo fencing one metre high above ground including tying the fencing with three

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
1910.	Making bamboo structure	M	55.14	1	41.95.1	:Making or replacing solid bamboo structure members (rafters, purlins, runners etc.) including binding with 18G binding wire.
1920.	Thatch roofing 100 thick	M2	629.84	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.
1930.	100mm thick re-thatching roof	M2	545.57	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).
1970.	Supply and fabricate bamboo sausages	SET	8,808.09	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						& lowering sausages will be supplied by the Company).
1940.	Repair of bamboo fence including posts	M2	43.39	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).
1950.	Supply bamboo tree guards 1m dia., 2m ht	EA	668.65	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.
1960.	Suply bamboo tree guard height 1200mm	EA	186.12	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.	Providing bamboo palisade 2m above Gr	OME	836.98	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 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.
1990.	Providing bamboo palisade 1.0m above Gr.	OME	490.99	1	41.99.3	:Providing & erecting protecting bamboo palisade to prevent erosion of road embankment or bridge/culvert

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
2000.	Bamboo palisade with drum-sheet	OME	899.51	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 contractor except empty drum.
2010.	Bamboo palisade without drum-sheet	OME	535.96	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
2020.	Cutting, carrying tree branches	M3	132.53	1	41.101.1	:Cutting, carrying tree branches and loading into lorries, transport upto a distance of 8Kms, filling inside the bamboo paliside at river bank (cost inclusive of supply of all materials).
2030.	Single layer tarfelting with sand mix	M2		1	41.102.1	:Single layer tarfelting with 13mm thick bituminous sand mix
2040.	Single layer tarfelting without sand mix	M2		1	41.102.2	:Single layer tarfelting without bituminous sand mix
2050.	WH Cover-Empty bags Contractor Supply	EA	22.11	1	41.102.3	Providing sand bags by filling minimum 0.02 cu. m of 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.
2060.	WH Cover-Empty bags Company Supply	EA	15.40	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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.
2070.	Providing sand bags-Contractor Supply	EA	20.10	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 incuding supply of empty Cement bags. (Cost of sand will be measured and paid separately).
2080.	Providing sand bags Company Supply	EA	13.39	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						
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 Guage 0.33 cm, weight 2.2 kg/m with tolarance in weight +/-5%)
24 : Rain Water Harvesting & Tubewells						
10.	Boring bore well- up to 90m ,300 mm dia.	M	475.94	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),

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	520.56	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	666.31	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, 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	1,119.70	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),

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,176.26	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 strata-400mm dia.	M	1,373.85	1	24.1.2.3	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, upto 90 metre depth below ground level.-Rocky strata including Boulders-400 mm dia.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
70.	Boring bore well,90-150m depth-300mm dia	M	555.26	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	616.96	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 mm dia.
90.	Boring bore well,90-150m depth-400mm dia	M	832.89	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	1,221.77	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	1,271.47	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 & 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	1,611.12	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,

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	5.74	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	5.99	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 #in-charge.150 mm nominal size dia
150.	Fixing PVC CM pipe-200mm dia	M	5.74	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

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
160.	Fixing PVC RMS pipe-100mm dia	M	5.99	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	5.99	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	6.07	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 depths, as per direction of Engineer-in-charge.200 mm nominal size dia
220.	Gravel packing in tubewell construction.	M3	174.59	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.

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Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
190.	Leveling stone boulder5cm-20cm	M3	145.91	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	145.91	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	145.91	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.
230.	Providing&fixing precast RCCdrain covers	EA	36.94	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. 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	63.73	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	75.81	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.
260.	Fixing casing pipes 200mm dia	M	87.08	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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 100mmdia	M	138.10	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 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.100 mm nominal size dia.
280.	Fixing bevel end pipe 150mmdia	M	174.96	1	24.11.2	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 &

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	187.19	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 compressor	EA	795.88	1	24.12	Development of tube well in accordance with IS : 2800 (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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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
360.	Fixing M.S. clamp - 200mm	EA	378.83	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
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
340.	Fixing M.S. clamp - 100mm	EA	315.68	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						necessary bolts & nuts of required size complete.-100 mm clamp
350.	Fixing M.S. clamp - 150mm	EA	340.71	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
370.	Fixing Bail/Bottom plug-100mm	EA	12.32	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	12.32	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	12.32	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.
25 : Conservation of Heritage Buildings						
10.	Raking out joints of stone masonry	M2	40.04	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.

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20.	Providing &fixing double scaffolding-25m	M2	162.21	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) The payment will be made once only for execution of all items of such works.
30.	Cleaning the sand stone surface.	M2	111.24	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

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						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	39.48	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 except scaffolding).
50.	Ruled/Flush pointing on masonary surface	M2	211.86	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).

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
60.	Ruled/Flush pointing on masonary surface	M2	211.86	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	40.27	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 Silane/Siloxane	M2	27.97	1	25.8	Applying breathable, non-reactive, antifungal, and water 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-

Item No.	Description	Unit	Rate	Per Unit	Schudle Line No.	Detail Description
						In-charge (The rate is inclusive of all materials & labours involved except scaffolding).

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