ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The CGM(HSE)
OIL INDIA LIMITED
Safety & Environment Department , Oil India Limited, Duliajan,,Dibrugarh,Assam-786602

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/AS/IND2/246799/2018 dated 21 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23A002AS146942**
2.	**File No.**	J-11011/546/2017-IA(I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	1(b) Offshore and onshore oil and gas exploration, development & production
6.	**Name of Project**	Onshore Oil & Gas development drilling and production in Naharkatiya-Deohal-Bogapani-Nagajan area for 294 wells
7.	**Name of Company/Organization**	OIL INDIA LIMITED
8.	**Location of Project**	Assam
9.	**TOR Date**	11 Feb 2018

The project details along with terms and conditions are appended herewith from page no 2 onwards.

(e-signed)
A N Singh
Scientist E
IA - (Industrial Projects - 2 sector)

Date: 20/09/2023

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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This has reference to your online proposal no. IA/AS/IND2/246799/2018, dated21st April, 2022 for environmental clearance to the above-mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for Onshore Oil & Gas development drilling and production in Naharkatiya-Deohal-Bogapani-Nagajan (NDBN) area for 294 wells in Dibrugarh & Tinsukia Districts under Nahorkatiya Extension, Tinsukia Extension, Hugrijan, Chabua, Borhapjan, Dumduma Hugrijan Extension by M/s. Oil India Ltd. PP vide ADS reply dated 17.05.202 has informed that n*o well or production installation will be located in forest land. Nearest well site is at a distance of 0.04 km from forest land. As the nearest well is less than 0.1 km from the forest area, hence, the same was taken as 0 km in the online Form-2 application as value of one decimal place can be inserted at the online application. OIL has already submitted undertaking that no activity will be conducted at forest land.* PP further clarified *that* OIL has already submitted the application to obtain clearance from Standing Committee of National Board of Wildlife. The application no. is FP/AS / MIN/6155/2021.

3. All Offshore and onshore oil and gas exploration, development & production proposals are listed at S.N. 1(b) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

4. The NDBN area is located in Tinsukia and Dibrugarh districts of Assam. Total area of NDBN is 657 sq. km. Among the 294 wells, 67 wells are located in agricultural land, 56 wells located in homestead plantation area, 99 wells located in tea garden, 72 wells in existing facilities. One production facility is located in agricultural land and one production facility is located in tea garden. The details of existing and proposed wells and facilities are as under:

S No	**Unit**	**Product/by product**	**Existing quantity**	**Proposed Quantity**	**Total Quantity**
1	Wells	Wells	21 (Exploratory)	294 (Exploratory & Development)	315(Exploratory & Development)
2	Production Installations	Production Installations	0	2	2

Coordinates of Blocks are as given below:

S. No.	Well No	Latitude	Longitude
1.	308	27° 25' 16.200" N	95° 14' 16.239" E
2.	309	27° 24' 10.414" N	95° 15' 14.698" E
3.	310	27° 22' 37.314" N	95° 18' 32.967" E
4.	314	27° 22' 21.243" N	95° 19' 48.572" E
5.	315	27° 23' 8.653" N	95° 17' 4.772" E
6.	316	27° 22' 59.404" N	95° 14' 30.012" E
7.	327	27° 22' 0.320" N	95° 28' 23.130" E
8.	332	27° 22' 14.779" N	95° 24' 9.013" E
9.	333	27° 21' 55.062" N	95° 20' 3.978" E
10.	334	27° 22' 31.480" N	95° 17' 7.290" E
11.	337	27° 23' 16.678" N	95° 17' 56.125" E
12.	340	27° 22' 2.965" N	95° 21' 13.045" E
13.	341	27° 21' 35.322" N	95° 20' 44.004" E
14.	356	27° 22' 2.318" N	95° 23' 17.135" E
15.	359	27° 22' 52.927" N	95° 21' 51.515" E
16.	360	27° 21' 19.637" N	95° 25' 34.399" E
17.	361	27° 21' 45.800" N	95° 23' 21.867" E
18.	362	27° 21' 37.051" N	95° 26' 33.834" E
19.	365	27° 23' 29.743" N	95° 20' 43.573" E
20.	366	27° 21' 34.473" N	95° 22' 33.711" E
21.	367	27° 23' 17.369" N	95° 22' 38.454" E
22.	368	27° 22' 30.075" N	95° 22' 34.441" E
23.	369	27° 23' 9.393" N	95° 16' 33.424" E
24.	370	27° 22' 31.490" N	95° 20' 51.695" E
25.	373	27° 23' 8.664" N	95° 24' 3.759" E
26.	381	27° 23' 57.543" N	95° 17' 34.579" E
27.	399	27° 21' 7.657" N	95° 13' 57.155" E

S. No.	Well No	Latitude	Longitude
28.	400	27° 21' 53.577" N	95° 14' 22.518" E
29.	DHC-H	27° 21' 20.751" N	95° 27' 24.581" E
30.	DHU	27° 20' 52.118" N	95° 27' 39.501" E
31.	HSA	27° 22' 31.893" N	95° 19' 5.648" E
32.	HSA	27° 22' 32.480" N	95° 19' 4.720" E
33.	HSY	27° 20' 26.345" N	95° 25' 57.849" E
34.	HSZ	27° 22' 30.160" N	95° 22' 37.051" E
35.	HTA	27° 21' 12.289" N	95° 22' 18.248" E
36.	HTB	27° 20' 31.758" N	95° 23' 41.380" E
37.	HTC	27° 20' 18.224" N	95° 24' 44.801" E
38.	HTD	27° 20' 26.620" N	95° 25' 20.010" E
39.	HUJ	27° 22' 1.245" N	95° 22' 25.798" E
40.	HUK	27° 20' 54.265" N	95° 22' 21.750" E
41.	HUL	27° 20' 26.421" N	95° 22' 44.910" E
42.	HUM	27° 22' 1.267" N	95° 22' 26.442" E
43.	HUN	27° 22' 5.619" N	95° 21' 36.694" E
44.	HWA	27° 21' 35.930" N	95° 13' 54.650" E
45.	HWY	27° 22' 53.707" N	95° 24' 30.972" E
46.	HXA	27° 21' 54.714" N	95° 26' 2.710" E
47.	HXF	27° 20' 30.730" N	95° 23' 42.250" E
48.	HXG	27° 20' 30.730" N	95° 23' 42.250" E
49.	HYA	27° 22' 6.078" N	95° 21' 36.471" E
50.	HYS	27° 20' 26.060" N	95° 25' 56.970" E
51.	HZD	27° 23' 10.320" N	95° 17' 45.840" E
52.	Loc-401	27° 22' 12.136" N	95° 24' 43.603" E
53.	Loc-501	27° 21' 4.090" N	95° 24' 1.586" E
54.	Loc-502	27° 20' 48.327" N	95° 24' 22.837" E

S. No.	Well No	Latitude	Longitude
55.	Loc-507(D)	27° 21' 56.011" N	95° 28' 6.771" E
56.	Loc-B	27° 22' 51.065" N	95° 17' 51.064" E
57.	Loc-H	27° 22' 53.248" N	95° 18' 43.757" E
58.	Loc-I	27° 23' 4.768" N	95° 19' 6.017" E
59.	Loc-J	27° 22' 52.969" N	95° 16' 58.394" E
60.	Loc-K	27° 23' 11.121" N	95° 17' 24.635" E
61.	Loc 101	27° 26' 14.521" N	95° 13' 43.295" E
62.	Loc 102	27° 24' 53.993" N	95° 14' 5.216" E
63.	NKM	27° 20' 35.660" N	95° 19' 16.100" E
64.	NKP	27° 20' 5.942" N	95° 16' 31.476" E
65.	NKQ	27° 21' 38.980" N	95° 18' 16.390" E
66.	NLA	27° 20' 20.590" N	95° 14' 37.860" E
67.	NLB	27° 20' 46.440" N	95° 14' 28.070" E
68.	NLC	27° 20' 20.980" N	95° 14' 36.910" E
69.	NLC-1	27° 20' 20.110" N	95° 14' 37.500" E
70.	NLD	27° 20' 56.110" N	95° 14' 33.450" E
71.	NLI	27° 20' 20.590" N	95° 14' 37.860" E
72.	NLN	27° 21' 39.253" N	95° 18' 16.703" E
73.	NLO	27° 21' 28.814" N	95° 19' 5.505" E
74.	Well-1	27° 23' 11.000" N	95° 17' 48.000" E
75.	Well-11	27° 23' 14.000" N	95° 19' 7.000" E
76.	Well-12	27° 23' 18.000" N	95° 23' 25.000" E
77.	Well-14	27° 20' 58.000" N	95° 22' 19.000" E
78.	Well-15	27° 21' 55.000" N	95° 24' 24.000" E
79.	Well-2	27° 22' 0.000" N	95° 15' 14.000" E
80.	Well-3	27° 21' 25.000" N	95° 14' 50.000" E
81.	Well-4	27° 22' 50.000" N	95° 14' 27.000" E

S. No.	Well No	Latitude	Longitude
82.	301	27° 26' 56.820" N	95° 30' 21.790" E
83.	302	27° 25' 4.460" N	95° 28' 24.080" E
84.	303	27° 24' 6.846" N	95° 36' 2.953" E
85.	304	27° 23' 44.774" N	95° 28' 14.020" E
86.	305	27° 24' 52.554" N	95° 26' 25.619" E
87.	306	27° 26' 5.551" N	95° 20' 12.114" E
88.	307	27° 25' 16.396" N	95° 18' 58.474" E
89.	311	27° 23' 57.497" N	95° 23' 12.157" E
90.	312	27° 23' 47.736" N	95° 25' 36.117" E
91.	313	27° 24' 47.350" N	95° 23' 26.085" E
92.	317	27° 24' 9.690" N	95° 22' 46.950" E
93.	318	27° 24' 9.039" N	95° 19' 49.988" E
94.	319	27° 24' 57.584" N	95° 27' 39.775" E
95.	320	27° 24' 8.036" N	95° 36' 5.387" E
96.	321	27° 26' 52.980" N	95° 31' 50.420" E
97.	322	27° 26' 43.907" N	95° 30' 55.892" E
98.	323	27° 23' 43.690" N	95° 35' 45.360" E
99.	324	27° 22' 57.948" N	95° 25' 16.806" E
100.	325	27° 22' 30.541" N	95° 27' 37.344" E
101.	326	27° 23' 26.960" N	95° 27' 43.200" E
102.	328	27° 26' 48.360" N	95° 31' 49.670" E
103.	329	27° 23' 0.755" N	95° 26' 21.270" E
104.	330	27° 24' 3.185" N	95° 26' 27.107" E
105.	331	27° 24' 25.240" N	95° 27' 38.100" E
106.	336	27° 23' 59.407" N	95° 18' 5.377" E
107.	338	27° 23' 17.993" N	95° 21' 31.112" E
108.	339	27° 23' 48.080" N	95° 21' 51.630" E

S. No.	Well No	Latitude	Longitude
109.	342	27° 24' 24.482" N	95° 25' 41.306" E
110.	343	27° 23' 18.760" N	95° 27' 37.900" E
111.	344	27° 25' 5.778" N	95° 28' 48.969" E
112.	345	27° 25' 3.150" N	95° 28' 41.910" E
113.	346	27° 26' 56.620" N	95° 31' 53.130" E
114.	347	27° 24' 11.219" N	95° 36' 5.980" E
115.	348	27° 23' 45.670" N	95° 35' 48.940" E
116.	349	27° 23' 46.740" N	95° 35' 44.377" E
117.	350	27° 27' 38.378" N	95° 31' 44.401" E
118.	351	27° 28' 0.345" N	95° 32' 24.949" E
119.	352	27° 27' 38.509" N	95° 32' 50.248" E
120.	353	27° 27' 7.425" N	95° 32' 9.266" E
121.	354	27° 28' 11.520" N	95° 31' 31.342" E
122.	355	27° 27' 23.985" N	95° 30' 36.418" E
123.	357	27° 26' 53.150" N	95° 31' 35.620" E
124.	358	27° 23' 48.964" N	95° 23' 53.216" E
125.	363	27° 25' 35.140" N	95° 23' 37.240" E
126.	364	27° 24' 33.625" N	95° 22' 54.803" E
127.	371	27° 23' 45.146" N	95° 19' 41.254" E
128.	372	27° 20' 52.060" N	95° 28' 9.870" E
129.	374	27° 25' 21.152" N	95° 25' 17.905" E
130.	376	27° 23' 41.699" N	95° 26' 44.584" E
131.	377	27° 24' 26.024" N	95° 26' 41.797" E
132.	378	27° 25' 31.614" N	95° 24' 6.494" E
133.	379	27° 26' 38.952" N	95° 20' 40.702" E
134.	380	27° 25' 7.368" N	95° 19' 45.013" E
135.	382	27° 23' 34.778" N	95° 27' 30.884" E

S. No.	Well No	Latitude	Longitude
136.	383	27° 25' 54.248" N	95° 27' 33.529" E
137.	384	27° 26' 53.423" N	95° 25' 54.267" E
138.	385	27° 27' 22.333" N	95° 25' 46.865" E
139.	386	27° 27' 34.963" N	95° 26' 42.854" E
140.	387	27° 27' 28.667" N	95° 27' 36.007" E
141.	388	27° 28' 2.805" N	95° 27' 26.918" E
142.	389	27° 28' 21.439" N	95° 26' 28.500" E
143.	390	27° 28' 27.712" N	95° 25' 36.307" E
144.	391	27° 27' 34.240" N	95° 24' 42.307" E
145.	392	27° 27' 42.496" N	95° 23' 19.112" E
146.	393	27° 26' 56.642" N	95° 22' 6.052" E
147.	394	27° 26' 8.720" N	95° 20' 25.480" E
148.	395	27° 25' 33.986" N	95° 19' 52.059" E
149.	396	27° 26' 1.882" N	95° 18' 36.578" E
150.	397	27° 25' 38.237" N	95° 17' 31.380" E
151.	398	27° 25' 7.803" N	95° 15' 57.710" E
152.	CAC	27° 28' 50.587" N	95° 14' 55.985" E
153.	CK	27° 27' 26.717" N	95° 19' 3.000" E
154.	CL	27° 28' 3.983" N	95° 17' 38.346" E
155.	CM	27° 26' 28.331" N	95° 16' 15.981" E
156.	CZ	27° 26' 28.359" N	95° 16' 16.229" E
157.	DHF	27° 28' 48.266" N	95° 28' 52.002" E
158.	DHO	27° 27' 28.884" N	95° 32' 4.536" E
159.	DHV	27° 24' 32.578" N	95° 36' 23.869" E
160.	DHW	27° 24' 35.750" N	95° 36' 26.272" E
161.	HQN	27° 28' 21.993" N	95° 24' 35.234" E
162.	HQQ	27° 26' 10.665" N	95° 27' 53.040" E

S. No.	Well No	Latitude	Longitude
163.	HRI	27° 27' 36.441" N	95° 24' 55.891" E
164.	HRO	27° 28' 52.460" N	95° 25' 56.930" E
165.	HRP	27° 28' 35.937" N	95° 26' 57.523" E
166.	HRS-H	27° 27' 42.950" N	95° 26' 28.630" E
167.	HRT	27° 26' 48.274" N	95° 24' 42.345" E
168.	HRV	27° 28' 52.250" N	95° 25' 55.960" E
169.	HRW	27° 28' 54.000" N	95° 26' 13.010" E
170.	HRY	27° 27' 9.700" N	95° 26' 53.000" E
171.	HRZ	27° 27' 1.026" N	95° 23' 46.718" E
172.	HSU	27° 24' 14.610" N	95° 27' 55.737" E
173.	HTF	27° 25' 27.462" N	95° 27' 18.068" E
174.	HTG	27° 25' 11.796" N	95° 26' 21.281" E
175.	HTO-H	27° 27' 11.138" N	95° 26' 52.928" E
176.	HTP-H	27° 27' 10.650" N	95° 26' 52.990" E
177.	HTQ-H	27° 27' 42.850" N	95° 26' 27.900" E
178.	HTR-H	27° 27' 36.205" N	95° 24' 56.370" E
179.	HTS-H	27° 28' 44.193" N	95° 25' 18.891" E
180.	HTT-H	27° 27' 10.232" N	95° 26' 52.733" E
181.	HTU	27° 28' 44.681" N	95° 25' 18.839" E
182.	HTW	27° 27' 47.857" N	95° 26' 37.439" E
183.	HTZ-H	27° 28' 11.756" N	95° 26' 13.861" E
184.	HUA-H	27° 28' 11.709" N	95° 26' 12.811" E
185.	HUB-H	27° 28' 8.313" N	95° 26' 41.645" E
186.	HUE	27° 25' 38.961" N	95° 26' 41.151" E
187.	HUF	27° 25' 39.870" N	95° 26' 43.042" E
188.	HUG	27° 25' 39.885" N	95° 26' 42.161" E
189.	HUH	27° 25' 40.552" N	95° 26' 43.020" E

S. No.	Well No	Latitude	Longitude
190.	HUI	27° 28' 23.331" N	95° 24' 6.788" E
191.	HUO	27° 23' 56.569" N	95° 21' 9.001" E
192.	HUU	27° 27' 0.978" N	95° 23' 47.620" E
193.	HUW	27° 26' 22.688" N	95° 24' 19.123" E
194.	HUX	27° 26' 48.634" N	95° 24' 42.207" E
195.	HVA	27° 28' 20.165" N	95° 24' 35.270" E
196.	HVB	27° 28' 22.109" N	95° 24' 43.018" E
197.	HVC	27° 28' 45.038" N	95° 25' 18.822" E
198.	HVD-H	27° 26' 48.193" N	95° 24' 41.382" E
199.	HVE-H	27° 26' 48.249" N	95° 24' 41.933" E
200.	HVG-H	27° 27' 36.680" N	95° 24' 55.190" E
201.	HVH-H	27° 27' 40.952" N	95° 25' 27.919" E
202.	HVI	27° 28' 7.970" N	95° 23' 32.435" E
203.	HVJ	27° 25' 20.755" N	95° 20' 12.033" E
204.	HVK	27° 25' 31.677" N	95° 17' 27.309" E
205.	HVM	27° 26' 36.416" N	95° 27' 49.826" E
206.	HVN	27° 24' 48.767" N	95° 15' 49.612" E
207.	HVP	27° 27' 36.531" N	95° 24' 56.290" E
208.	HVQ	27° 27' 40.925" N	95° 25' 27.300" E
209.	HVR	27° 28' 22.155" N	95° 24' 42.240" E
210.	HWB	27° 23' 25.422" N	95° 24' 4.008" E
211.	HWC-H	27° 28' 20.651" N	95° 24' 35.331" E
212.	HWE-H	27° 25' 19.816" N	95° 16' 57.809" E
213.	HWN-H	27° 27' 48.393" N	95° 26' 36.840" E
214.	HWO-H	27° 26' 48.252" N	95° 24' 40.852" E
215.	HWO-H	27° 26' 48.570" N	95° 24' 41.370" E
216.	HWP-H	27° 27' 1.606" N	95° 23' 45.129" E

S. No.	Well No	Latitude	Longitude
217.	HWR-H	27° 28' 23.600" N	95° 24' 6.408" E
218.	HWT-H	27° 27' 36.939" N	95° 24' 55.731" E
219.	HWV	27° 25' 20.204" N	95° 16' 57.905" E
220.	HWZ	27° 25' 42.123" N	95° 25' 16.808" E
221.	HXC	27° 21' 53.220" N	95° 28' 12.810" E
222.	HXD	27° 25' 21.170" N	95° 20' 12.450" E
223.	HXE	27° 24' 48.999" N	95° 15' 49.321" E
224.	HXH-H	27° 27' 1.352" N	95° 23' 46.671" E
225.	HXI-H	27° 28' 25.853" N	95° 27' 38.792" E
226.	HXO	27° 25' 54.699" N	95° 15' 30.524" E
227.	HXP	27° 26' 10.244" N	95° 27' 52.972" E
228.	HXT-H	27° 26' 22.682" N	95° 24' 19.123" E
229.	HXU	27° 25' 39.758" N	95° 26' 42.753" E
230.	HXU	27° 25' 39.310" N	95° 26' 41.631" E
231.	HXV	27° 24' 49.616" N	95° 15' 49.349" E
232.	HXW	27° 26' 28.417" N	95° 16' 16.682" E
233.	HXX	27° 25' 21.441" N	95° 16' 57.781" E
234.	HXY	27° 25' 9.569" N	95° 18' 23.512" E
235.	HXZ	27° 25' 9.088" N	95° 18' 23.123" E
236.	HYB	27° 28' 8.080" N	95° 23' 30.680" E
237.	HYC	27° 28' 7.970" N	95° 23' 32.435" E
238.	HYD	27° 28' 7.880" N	95° 23' 33.650" E
239.	HYE	27° 28' 23.956" N	95° 24' 5.750" E
240.	HYF	27° 26' 36.343" N	95° 27' 50.301" E
241.	HYG	27° 28' 2.886" N	95° 27' 59.061" E
242.	HYI	27° 27' 35.671" N	95° 28' 53.551" E
243.	HYJ	27° 25' 12.412" N	95° 27' 55.429" E

S. No.	Well No	Latitude	Longitude
244.	HYK	27° 26' 8.938" N	95° 27' 53.369" E
245.	HYL	27° 26' 28.755" N	95° 16' 15.859" E
246.	HYM	27° 23' 10.809" N	95° 27' 39.880" E
247.	HYN	27° 23' 36.007" N	95° 27' 47.721" E
248.	HYO	27° 22' 37.069" N	95° 28' 8.643" E
249.	HYP	27° 21' 53.220" N	95° 28' 12.810" E
250.	HYQ-H	27° 27' 42.851" N	95° 26' 26.502" E
251.	HYR	27° 22' 9.572" N	95° 26' 28.010" E
252.	HYT	27° 23' 39.530" N	95° 21' 13.849" E
253.	HYU	27° 23' 38.971" N	95° 21' 14.281" E
254.	HYV	27° 25' 58.343" N	95° 27' 42.612" E
255.	HYX	27° 26' 22.585" N	95° 24' 19.460" E
256.	HYY	27° 26' 48.410" N	95° 24' 42.260" E
257.	HYZ-H	27° 28' 23.331" N	95° 24' 6.788" E
258.	HZA-H	27° 26' 58.206" N	95° 24' 10.882" E
259.	HZB	27° 23' 53.625" N	95° 23' 52.298" E
260.	Loc-405	27° 25' 22.083" N	95° 19' 23.701" E
261.	Loc-407	27° 27' 28.293" N	95° 32' 22.754" E
262.	Loc-409	27° 27' 26.493" N	95° 16' 11.226" E
263.	Loc-410	27° 26' 7.234" N	95° 17' 10.389" E
264.	Loc-410A	27° 27' 22.471" N	95° 35' 59.587" E
265.	Loc-411	27° 24' 30.358" N	95° 36' 6.945" E
266.	Loc-413	27° 26' 10.103" N	95° 18' 22.710" E
267.	Loc-508	27° 25' 40.583" N	95° 28' 29.820" E
268.	Loc-509	27° 23' 29.100" N	95° 27' 52.420" E
269.	Loc-509 (D1)	27° 27' 13.083" N	95° 30' 11.231" E
270.	Loc-A	27° 25' 48.480" N	95° 28' 11.295" E

S. No.	Well No	Latitude	Longitude
271.	Loc-C	27° 25' 30.701" N	95° 28' 24.725" E
272.	Loc-D	27° 25' 30.701" N	95° 28' 24.725" E
273.	Loc-D10	27° 28' 39.856" N	95° 19' 6.024" E
274.	Loc-E	27° 28' 13.487" N	95° 14' 1.539" E
275.	Loc-F	27° 26' 25.400" N	95° 27' 46.388" E
276.	Loc-G	27° 26' 25.400" N	95° 27' 46.388" E
277.	Loc 103	27° 27' 11.028" N	95° 14' 31.109" E
278.	Loc 104	27° 27' 55.530" N	95° 15' 33.643" E
279.	Loc 105	27° 28' 14.094" N	95° 18' 32.884" E
280.	Loc 106	27° 27' 5.113" N	95° 18' 47.473" E
281.	Loc 107	27° 26' 24.996" N	95° 19' 2.896" E
282.	Loc 108	27° 25' 43.480" N	95° 19' 2.902" E
283.	Loc. 001	27° 26' 41.336" N	95° 17' 30.686" E
284.	THE	27° 23' 40.740" N	95° 21' 13.383" E
285.	Well-10	27° 24' 16.000" N	95° 20' 5.000" E
286.	Well-13	27° 24' 18.000" N	95° 23' 28.000" E
287.	Well-16	27° 23' 1.812" N	95° 27' 37.941" E
288.	Well-17	27° 24' 30.000" N	95° 25' 43.000" E
289.	Well-21	27° 24' 26.443" N	95° 36' 9.723" E
290.	Well-5	27° 25' 17.000" N	95° 15' 17.000" E
291.	Well-6	27° 26' 38.000" N	95° 18' 9.000" E
292.	Well-7	27° 24' 41.000" N	95° 18' 14.000" E
293.	Well-8	27° 24' 52.000" N	95° 19' 21.000" E
294.	Well-9	27° 25' 50.000" N	95° 18' 21.000" E
	Production Installation-1	27° 26' 27.950" N	95° 16' 12.500" E
	Production Installation-2	27° 24' 46.190" N	95° 15' 49.150" E

5. Ministry has issued Environmental Clearance to the existing capacity of 21 wells vide J-11011/418/2011 - IA II (I) dated 9th October, 2014. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Guwahati vide letter no. RO-NE/E/IA/AS/MI/80/1261-1263 on 06 October 2021. OIL submitted Action Taken report to IRO and IRO provided updated compliance report vide letter no. RO-NE/E/IA/AS/MI/80/1667-1669 on 15 December 2021.EAC found the information satisfactory.

6. The ToR has been issued by Ministry vide F. no. J-11011/546/2017-IA.II (I) dated 11 Feb 2018. PP was informed that no litigation is pending against the proposal.

7. Public Hearing for the proposed project had been conducted by the Pollution Control Board of Assam on 26th August 2022 for Dibrugarh District and on 13th March 2020 for Tinsukia District. Both the Public Hearings were chaired by Additional Deputy Commissioners of respective districts. The issues were raised regarding baseline monitoring period, oil spillage, pollution prevention practise, CSR activities, like developmental works in Health Services and Schools of the local area, contribution to Swachcha Bharat Abhiyan, CSR activities, awareness creation for planting trees etc and issues wise action plan was deliberated during EAC meetings held on 09th - 10th March, 2023 and 03rd – 04th May, 2023 respectively. The Committee noted that issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report.

8. Total plant area after expansion will be 969 Ha (existing plant area 63 Hectares and additional land required 896 Hectares for proposed capacity). Land for the drill sites will be procured prior to drilling. Oil India Ltd. will develop greenbelt at the proposed production installations having total area of 35000 m^2. EMP Budget includes budget for Public Hearing Action Plan/CER Plan, Wildlife Conservation Plan, Greenbelt Budget and Budget for Environmental Conservation Measures. Budget for CER Plan for socioeconomic development is planned to be INR 1.15 crores for 2 years for Dibrugarh district, INR 2.13 crores for 2 years for Tinsukia district. Budget for Greenbelt Plan will be INR 3.5 lakhs. Budget for Wildlife Conservation Plan for Schedule-I species for 7 years will be INR 58 lakhs. Detail of cost breakup of implementation of Environmental Conservation measures for each well would be INR 10.18 lakhs and for each production installation for 1 year would be INR 6.66 lakhs. The estimated project cost is Rs 9734.60 Crores. Capital cost of EMP would be Rs. 2.45 Crores. Recurring cost for EMP would be approximately INR 0.4161 crores per annum (for 2 years) for CER and INR 4.4953 crores per annum (for 7 years) for Wildlife Conservation Plan, Greenbelt Plan and Environmental Control measures for drilling and production installation. Total Employment after expansion will be 180 persons as direct & indirect.

9. Forest within the NDBN Area include the reserve forests viz. Upper Dehing Reserve Forest, Borjan segment of Bherjan-Borajan-Padumoni Wildlife Sanctuary (BBPWLS). A significant part of the NDBN Area falls within the western part of Upper Dihing Reserved forest. Also the Borajan Segment of BBPWLS located within the

Block, nearest well is located at a distance of 1 km from BBPWLS. Dihing Patkai National Park (DPNP) is located at a distance of 1.7 km from the field boundary at the south-eastern side. Nearest well is located at a distance of 3 km from DPNP. Two Elephant Corridors between Upper Dihing R. F. East and West Blocks at Bogapani and Golai-Powai are located within the NDBN field on the eastern boundary. No wells or production installation locate in forest land. ESZ for DPNP and BBPWLS is not finalized yet. Conservation plan for schedule I species has been submitted to PCCF & Chief Wildlife Warden Assam dated 26.11.2021 and a budget of 0.58 Crores has been earmarked for the same. Buri Dehing River is present within the Block, the nearest well is located at a distance of 0.5 km from Burhi Dehing River.

10. Ambient air quality monitoring was carried out at 8 locations during 05.10.2017 to 31.12.2017 and the baseline data indicates the ranges of average concentrations as: PM_{10} (57.21-89.50 µg/m^3), $PM_{2.5}$ (30.0-47.29 µg/m^3), SO_2 (5.44-6.43 µg/m^3) and NO_2 (17.4 – 20.93 µg/m^3). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 7.11 µg/m^3, 0.48 µg/m^3, 0.06 µg/m^3 and 0.08 µg/m^3 with respect to NOx, SO_2, PM_{10} and HC. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). Additional ambient air quality monitoring was conducted at the same 8 locations during February 2022 indicates average concentrations of PM_{10}: 57.96-90.25 µg/m^3, $PM_{2.5}$:30.25-47.04 µg/m^3, SO_2:5.84-7.13 µg/m^3 and NO_2:17.63 – 20.98 µg/m^3.

11. Total fresh water requirement after expansion will be 25 CMD for each well which will be met from groundwater. NOC has been obtained from CGWA vide letter no. CGWA/NOC/MIN/ORIG/2020/9251 dated 10.12.2020. Existing effluent generation is 21.8 CMD (8 CMD domestic wastewater and 13.8 CMD drilling and wash wastewater). Drilling and wash wastewater will be treated through effluent treatment plant. Domestic wastewater will be treated in septic tank and soak pits. The project will be based on Zero Liquid discharge system.

12. Power requirement of the drill sites will be met through two Diesel Generator Sets of 1250 kVA each. Another 1250 kVA DG set will be kept as standby. Stack height of 9 m will be provided as per CPCB norms to the proposed DG sets.

13. Details of Process emissions generation and its management:

- Operation of DG sets,
- Movement of vehicles and machineries during construction and drilling,
- Flaring of natural gas will result in the generation of air pollutants,
- Stacks will be used with DG sets and flare system as per CPCB norms.

14. Details of solid waste/Hazardous waste generation and its management:

- Drill cuttings and spent drilling mud will be disposed to HDPE lined pit within the drill site.

- The kitchen waste will be disposed in nearest municipal/village dumping site on a daily basis through approved waste handling contractors.
- Recyclable wastes will be periodically sold to local waste recyclers.
- Hazardous waste (waste and used oil) will be managed in accordance with Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2016.

15. The proposal was considered in 05th EAC meeting held on 10th May, 2022 and in EAC Meeting ID: IA/IND2/13456/09/03/2023 held on 09th - 10th March, 2023 and in Meeting ID: IA/IND2/13493/03/05/2023 held on 03rd – 04th May, 2023 in the Ministry, wherein the project proponent and their accredited Consultant M/s. ERM India Pvt. Ltd. (NABET certificate no. NABET/EIA/1922/RA 0177_Rev 01 and validity 20.06.2024) made a detailed presentation on the salient features of the project. The Committee **recommended** the project for grant of environmental clearance.

16. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

17. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of environmental clearance.

18. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

19. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the **project Onshore Oil & Gas development drilling and production in Naharkatiya-Deohal-Bogapani-Nagajan area for 294 wells in Dibrugarh & Tinsukia District under Nahorkatiya Extension, Tinsukia Extension, Hugrijan, Chabua, Borhapjan, Dumduma Hugrijan Extension by M/s. Oil India Ltd,** under the provisions of the EIA Notification, 2006, and the amendments therein,subject to compliance of the terms and conditions as under:-

A. Specific Condition:

(i). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented (Annexure-I).

(ii). The environmental clearance is subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife as per the Ministry's OM dated 8th August, 2019 and 16th July, 2020. Grant of environmental clearance does not necessarily imply that Wildlife Clearance shall be granted to the project and that their proposal for Wildlife Clearance will be considered by the respective authorities on its merit and decision taken. PP shall also strictly follow the conditions mentioned in existing NBWL clearance.

(iii). The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).

(iv). PP shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to IRO, MoEF&CC.

(v). Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall undertake all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing.

(vi). As proposed, no pipelines or its part shall be laid and drilling of exploratory/production/development wells to be carried out in the Forest

land/Protected Area without prior permission/approval from the Competent Authority.

(vii). The project proponent will treat and reuse the treated water within the drilling site location including at processing location and no waste or treated water shall be discharged outside the premises under any condition. Mobile ETP coupled with RO and mobile STP shall be installed to treat the waste water and sewage waste respectively.

(viii). During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using appropriate technology.

(ix). The project proponent also to ensure trapping/storing of the CO_2 generated, if any, during the process and handling.

(x). Approach road to drilling well shall be made pucca to minimize generation of suspended dust.

(xi). The project proponent shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.

(xii). Total fresh water requirement shall be 25 KLPD which will be met from ground water. Extractionof ground water shall not be done without obtaining prior permission of CGWA/concerned authority.

(xiii). The company shall construct the garland drain to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated.

(xiv). Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005.

(xv). Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/ contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.

(xvi). The project proponent shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At fixed installations or plants use of ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.

(xvii). The project proponent shall develop a contingency plan for H_2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H_2S detectors in locations of high risk of exposure along with self-containing breathing apparatus.

(xviii). Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.

(xix). On completion of the project, necessary measures shall be taken for safe plugging of wells with secured enclosures to restore the drilling site to the original condition. The same shall be confirmed by the concerned regulatory authority from environment safety angle. In case of hydrocarbon not found economically viable, a full abandonment plan shall be implemented for the drilling site in accordance with the applicable DGH / Indian Petroleum Regulations.

(xx). As per the action plan submitted by the project proponent all activities proposed in extended EMP (CER) for corpus of Rs. 3.28 crores shall completed within 2 years(Annexure-II).

(xxi). Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules. All workers & employees shall be provided with required safety kits/mask for personal protection.

(xxii). Oil content in the drill cuttings shall be monitored, if oil-based mud is used then its report shall be sent to the Ministry's Regional Office/SPCB.

(xxiii). The project proponent shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.

B.<u>General Condition</u>:

(i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without

prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions

and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

(xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

20. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

21. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

22. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

23. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

24. This issues with the approval of the competent authority.

(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Secretary, Environment & Forest, H-Block, 2ndFloor, Janata Bhawan, Disupr, Guwahati - 781006 (Assam)
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Guwahati, 4th Floor, HOUSEFED Building, G.S. Road Rukminigaon, Guwahati - 781022
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Pollution Control Board Assam, Bamunimaidam, Guwahati - 21 (Assam).
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 3
6. District Collector, Dibrugarh, Assam.
7. District Collector, Tinsukia, Assam.
8. Guard File/Monitoring File/ Parivesh Portal /Record File.

(A. N. Singh)
Scientist-'E'
E-mail: aditya.narayan@nic.in
Tel. No. 11-24642176

ANNEXURE-I

Details of capital and recurring cost of EMP:

S. No.	Description	Capital Cost in crores	Recurring Cost in Crores /Annum for Wildlife Conservation Plan, Greenbelt Plan andEnvironmental control measures for Well drilling and production installation (for 7 years)	Recurring Cost in Crores /Annum for CER (for 2 years)
1.	Wildlife Conservation Plan	-	0.0829	-
2.	Greenbelt Plan	-	0.0050	-
3.	Environmental control measures for Well drilling	-	4.2742	-
4.	Environmental control measures for production installation	-	0.1332	-
5.	CER Cost	2.45	-	0.4151
	Grant Total	**2.45**	**4.4953**	**0.4161**

Details of cost breakup of Environmental Control measures for drilling presented below:

Sl. No.	Particulars of Work	Budget for 1 well (in lakh Rs.)	Cumulative Budget for 294 wells
1	**Air Quality Management Plan**		
a.	Dust suppression through water sprinkling in the internal unpaved roads Cost of water sprinkling - One truck hiring charge (Rs. 1,00,000 per month X 9 months=Rs. 9,00,000); Diesel charge (50 km travel per day @ Rs. 45/km X 270 days = Rs.607500);	0.36*	105.53

Sl. No.	Particulars of Work	Budget for 1 well (in lakh Rs.)	Cumulative Budget for 294 wells
	Total cost for one year Rs.1507500 Total cost for 7 years= Rs. 10552500		
b.	Maintenance of paved internal road and transport route (budgetary provision is included in operational cost of drilling)	0	0
c.	Ambient Air Quality Monitoring -3 monitoring locations x 2 weeks per location x Once during site development, twice during drilling and once during decommissioning (@ Rs.7500 x 24 samples)	1.8	529.2
d.	Stack emission monitoring (@ Rs. 5000 per sample x 3 DG sets x twice during drilling)	0.3	88.2
2	**Noise Management Plan**		
a.	Ambient Noise Monitoring – 3 locations, once during site development, twice during drilling and once during decommissioning (@Rs. 2500 X 12 samples)	0.3	88.2
b.	Workplace noise monitoring -5 locations per well, twice during drilling (@Rs.2500 per location x 5 locations x 2 times)	0.25	73.5
c.	All DG sets would be provided with acoustic enclosures (All DG sets will be procured with in-built acoustic enclosures budget included in drilling budget)	0	0
3	**Water Quality Management Plan**		
a.	Construction and maintenance of double chambered sedimentation tank and oily-water separator ETP (Budget included in drilling budget)	0	0
b.	Surface Water Quality Monitoring (@ Rs. 8000 x 4 samples from natural drainages once during site construction, once during drilling, once after decommissioning)	0.96	282.24
c..	Ground Water Quality Monitoring (@ Rs. 8000 x 3 sites, once during site construction, once during drilling, once after decommissioning)	0.72	211.68
d.	ETP Treated water quality (@ Rs. 8000 x 2 samples of ETP treated water per month for 4 months)	0.72	211.68
e..	Sample from Oily water separator	0.05	14.7
	(@Rs. 5000 per sample X 1 sample after drilling)		
4	**Soil Quality Management Plan**		
a.	Soil quality monitoring(@ Rs. 8000 x 2 samples x once before site preparation; once after decommissioning/restoration)	0.32	94.08
b.	Procurement of spill kits at drill sites	0.6	176.4
	(Rs 20,000 per kit X 3 spill kits per site)		
5	**Road Safety & Traffic Management**		

Sl. No.	Particulars of Work	Budget for 1 well (in lakh Rs.)	Cumulative Budget for 294 wells
a.	Signage in the transport route & its maintenance (@Rs. 100,000 + Rs. 10,000)	1.1	323.4
b.	Deployment of traffic personnel in sensitive area – 5 persons (@ Rs. 6000 per month x 6 months)	1.8	529.2
6	**Surface Runoff & Soil Erosion Control**		
a.	Two chamber sedimentation tank at each drill site (Budgetary provision is already included in the infrastructure development cost)	0	0
7	**Municipal Solid Waste**		
a.	Provision of two chambered covered collection bins at well site – 2 nos	0.2	58.8
b.	Transport arrangement of waste from well sites to dumping area	0.25	73.5
8	**Hazardous waste management**		
a.	Construction of dedicated hazardous storage area and record maintenance (construction included under project cost; only maintenance included in this budget)	0.1	29.4
b.	Drill Cutting, waste mud and wash water pits; HDPE lined (budgetary provision in operation cost of drilling)	0	0
c.	Analysis of drill cutting and waste drilling mud	0.3	88.2
	(Drill cutting @Rs. 5000 per sample x 1 sample per month x 3 months drilling time;		
	Waste drilling mud @Rs. 5000 per sample x 1 sample per month x 3 months drilling time)		
9	**Surface and Ground Water Protection and Management**		
a.	Surface runoff control measures for chemical storage area, fuel storage area (budgetary provision is already taken care in earlier section)	0	0
b.	Paved /impervious storage area for chemical storage area, fuel & lubricant storage area (Budgetary provision is already included in the infrastructure development cost)	0	0
c.	Domestic waste water treatment facility through septic tank & soak pits at the drill sites (budgetary provision in operation cost of drilling)	0	0
10	**Occupational Health & Safety Management**		
a.	Provision of appropriate PPE to all workers and its maintenance (budgetary provision is included in operational cost of drilling)	0	0
b.	Provision of drinking water, sanitation facility for all workers (budgetary provision is included in operational cost of drilling)	0	0
c	Provision First aid facility (budgetary provision is included in operational cost of drilling)	0	0
d	Provision of Ambulance facility OIL has its own ambulance facility)	0	0

Sl. No.	Particulars of Work	Budget for 1 well (in lakh Rs.)	Cumulative Budget for 294 wells
e	Regular health checkup facility provided by OIL for workers)	0	0
f	Regular occupational health & safety training (@ 1 lakh per year for 7 years)	0.02*	7
g.	Safety related training for OIL drivers (@ 1 lakh per year for 7 years)	0.02*	7
	Total Cost of Implementation of EMP	**10.18**	**2991.91**

Note- Capital cost of environmental control measures are included within the budget for drilling

Details of cost breakup of Environmental Control measures for production installation presented below:

Sl. No.	Particulars of Work	Budget (in lakh Rs.) per installation per year	Budget (in lakh Rs.) for 2 production installation for 7 years
1	**Air Quality Management Plan**		
a.	Dust suppression through water sprinkling in the internal unpaved roads (Budget at the drilling budget)	0	0
b.	Maintenance of paved internal road and transport route (budgetary provision is included in operational cost of production installations)	0	0
c.	Ambient Air Quality Monitoring -3 monitoring locations x twice per week x 2 weeks per location x 2 times per year (@ Rs.7500 x 24 samples)	1.8	25.2
d.	Stack emission monitoring (@ 5000 per sample x 2 GG sets x twice a year) @5000 X 4 samples	0.2	2.8
2	**Noise Management Plan**		
a.	Ambient Noise Monitoring – 3 locations, 2 times a year (@Rs. 2500 X 6 samples)	0.15	2.1
b.	Workplace noise monitoring -5 locations per facility, twice a year (@Rs.2500 per location x 5 locations x 2 times)	0.25	3.5
	All GG sets would be provided with acoustic enclosures (budget included in production budget)	0	0
3	**Water Quality Management Plan**		
a.	Surface Water Quality Monitoring (@ Rs. 8000 x 3 samples from natural drainages twice a year)	0.48	6.72
b.	Ground Water Quality Monitoring (@ Rs. 8000 x 3 samples from local villages twice a year)	0.48	6.72

Sl. No.	Particulars of Work	Budget (in lakh Rs.) per installation per year	Budget (in lakh Rs.) for 2 production installation for 7 years
c.	Treated water quality (@ Rs. 8000 x 2 samples of ETP treated water ; @ Rs. 5000 one sample from oily water separator; twice a year)	0.42	5.88
4	**Soil Quality Management**		
a.	Soil Quality Monitoring (@Rs. 8000 x 3 samples x twice a year)	0.48	6.72
b.	Procurement of spill kits (@Rs. 20000 per kit x 3 spill kit per year)	0.6	8.4
6	**Surface Runoff & Soil Erosion Control**		
a.	Two chamber sedimentation tank at each facility (Budgetary provision is already included in the infrastructure development cost)	0	0
7	**Municipal Solid Waste**		0
a.	Provision of two chambered covered collection bins at each site – 2 nos.	0.2	2.8
b.	Transport arrangement of waste from production installation to dumping area	1	14
8	**Hazardous waste management**		
a.	Construction of dedicated hazardous storage area and record maintenance (construction included under project cost; only maintenance included in this budget)	0.1	1.4
9	**Surface and Ground Water Protection and Management**		
a.	Surface runoff control measures for chemical storage area, fuel storage area (budgetary provision is already taken care in earlier section)	0	0
b.	Paved /impervious storage area for chemical storage area, fuel & lubricant storage area (Budgetary provision is already included in the infrastructure development cost)	0	0
c.	Domestic waste water treatment facility through septic tank & soak pits at the production sites (budgetary provision in operation cost of operations)	0	0
10	**Occupational Health & Safety Management**		
a.	Provision of appropriate PPE to all workers and its maintenance (budgetary provision is included in operational cost of operation)	0	0
b.	Provision of drinking water, sanitation facility for all workers (budgetary provision is included in operational cost of operation)	0	0
c	Provision First aid facility (budgetary provision is included in operational cost of operation)	0	0
d	Provision of Ambulance facility OIL has its own ambulance facility)	0	0

Sl. No.	Particulars of Work	Budget (in lakh Rs.) per installation per year	Budget (in lakh Rs.) for 2 production installation for 7 years
e	Regular health checkup facility provided by OIL for workers)	0	0
f	Regular occupational health & safety training (@ 1 lakhs per year for 7 years)	0.5*	7
	Total cost of implementation of EMP	**6.66**	**93.24**

ANNEXURE-II

Details of CER activities:

Dibrugarh District

S No.	Proposed Activity	Proposed Budget
1.	Plantation at abandoned drill sites	Rs. 2 lakh per site x 10 sites= Total Rs. 20 lakhs
2.	Mobile health services	Total 14 lakhs
3.	Drinking water facilities	Rs. 0.2 lakh per hand pump x 50 pumps= Total Rs. 10 lakhs
4.	Infrastructure improvement work across schools in 10 schools	Rs. 1 lakh per school= Total Rs. 10 lakhs
5.	Training support for skill development among women	Rs.1 lakh per training program x 5 training programs= Total Rs. 5 lakhs
6.	Industrial training for students	Rs. 0.5 lakh per student x 30 selected students = Rs. 15 lakhs
7.	Barricading the abandoned well sites	Rs. 1 lakh per well x 20 wells= Total Rs. 20 lakhs
8.	Provision for street light at major traffic intersections	Rs. 20 lakhs
	Grant Total	**Rs. 115 lakhs**

Tinsukia District

S No.	Proposed Activity	Proposed Budget
1	Mobile health services	Total 14 lakhs
2	Infrastructure improvement work in 30 schools including improvement of latrines	Rs. 1 lakh per school x 30 schools= Total Rs. 30 lakhs
3	Plantation at nearby forest area	Total Rs. 14 lakhs
4	Repair of local roads	Rs. 50 lakhs
5	Provision for Street light in the area	Rs.70 lakhs
6	Providing fund to locals villagers for construction of household latrines	Rs. 0.1 lakh per unit X 350 units = Rs. 35 lakhs
	Grant Total	**Rs. 213 lakhs**