



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/IND2/187643/2007 dated 20 Nov 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC23A002AS125690 |
| 2. File No. | J-11011/1254/2007 - IA II (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 exploratory and Development drilling wells and production in Dibrugarh & Sibsagar districts under Dibrugarh, Dibrugarh Extn., Hugrijan, Naharkatiya, Sapkaint, Dumduma, Dholiya and Moran, Moran |
| 7. Name of Company/Organization | OIL INDIA LIMITED |
| 8. Location of Project | Assam |
| 9. TOR Date | 29 Sep 2017 |

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

Date: 13/01/2023

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

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 IA/AS/IND2/187643/2007 dated 28th November, 2021 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 exploratory and Development drilling wells and production in Dibrugarh & Sibsagar districts under Dibrugarh, Dibrugarh Extn., Hugrijan, Naharkatiya, Sapkaint, Dumduma, Dholiya and Moran, Moran Extn., Borhat PMLs located in villages Telpani, Teloibari, Rajgarh, Tinkhong, Paniyabura villages in Tehsils Dibrugarh East, Moran, Tinkhong and Naharkatiya of District Dibrugarh, , State Assam by M/s. Oil India Ltd.

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 details of products and capacity as under:

Oil India Ltd. (OIL) is planning to drill 68 onshore developmental wells, 9 nos. of production installations and laying of approximately 180 km of pipelines including different sizes (6" to 30") of oil/gas pipelines including the some portion of gas pipeline from Sapkaint to MRN-Kasalupathar gas line (200 mm), assorted oil & gas flowlines /delivery lines from 50 mm to 300mm in Khowang Shalmari area (KSA) under Dibrugarh district of Assam.

S. No	Product Details	Existing Quantity	Proposed Quantity	Total Quantity
1.	Wells and production installations	5 wells	68 wells and 9 production installations	73 wells and 9 production installations

The Khowang Shalmari Area (KSA) is located in Dibrugarh district of Assam on the depositional plain of the Brahmaputra River. Total area of KSA is 1073 sq. km.

Coordinates of Proposed wells and production installations are as given below:

At the production installation the well fluid would be processed where oil, associated gas and water would be separated. Nine Production installations planned within the KSA. The production installation may include Oil Collection System (OCS), Gas Compressor Station (GCS), Field Group Gathering Station (FGGS) or Quick Production System (QPS). Planned oil storage and handling capacity at each production installation based on anticipated production from proposed drilling wells in vicinity of respective production installations. The formation water generated in production installation would be treated in an ETP and would be reused in the system or injected in water

injection/water disposal wells. Flare system shall be installed as per the recommended practices of OISD and CPCB.

Sl. No	Well Name	Geographical Coordinates
1.	7	27° 8'34.66"N; 95° 8'16.58"E
2.	5	27°10'53.33"N; 95° 3'47.34"E
3.	7	27°12'36.87"N; 95° 3'35.07"E
4.	8	27°13'12.51"N; 95° 2'29.02"E
5.	12	27°13'30.06"N;95° 1'49.18"E
6.	MFH	27°13'21.12"N; 95° 3'40.07"E
7.	MFR	27°11'13.03"N; 95° 7'58.75"E
8.	10	27°11'23.29"N; 95° 7'53.18"E
9.	DGD	27°12'14.56"N; 95°10'2.74"E
10.	DGK	27°12'36.92"N; 95° 9'38.99"E
11.	DGM	27°12'37.24"N; 95° 9'39.14"E
12.	218	27°13'29.85"N; 95° 9'53.96"E
13.	217	27°13'12.90"N; 95°10'57.22"E
14.	216	27°13'26.49"N; 95°11'28.92"E
15.	DHS	27°13'50.26"N; 95°11'17.10"E
16.	215	27°13'57.51"N; 95°11'30.30"E
17.	DGN	27°13'57.84"N; 95°10'39.39"E
18.	DGV	27°13'57.46"N; 95°10'40.01"E
19.	DGW	27°13'57.21"N; 95°10'40.59"E
20.	231	27°13'49.66"N; 95°10'35.08"E
21.	DGB	27°15'3.91"N; 95°10'32.49"E
22.	DGC	27°15'16.10"N; 95°10'37.93"E
23.	214	27°14'48.57"N; 95°11'19.77"E
24.	213	27°15'3.99"N; 95°11'46.07"E
25.	212	27°15'27.50"N; 95°12'14.56"E

Sl. No	Well Name	Geographical Coordinates
26.	230	27°15'32.19"N; 95°11'34.51"E
27.	SPC	27°12'28.69"N; 95°13'37.30"E
28.	229	27°15'28.07"N; 95°11'12.37"E
29.	210	27°15'35.77"N; 95°10'39.78"E
30.	211	27°15'51.13"N; 95°11'53.65"E
31.	219	27°16'0.01"N; 95°11'33.92"E
32.	DGX	27°15'9.89"N; 95° 9'17.29"E
33.	224	27°15'7.38"N; 95° 8'37.77"E
34.	225	27°14'43.59"N; 95° 8'16.60"E
35.	227	27°14'27.56"N; 95° 7'21.02"E
36.	226	27°14'50.67"N; 95° 7'14.71"E
37.	208	27°15'7.41"N; 95° 7'50.21"E
38.	206	27°14'27.84"N; 95° 6'26.15"E
39.	109	27°14'49.68"N; 95° 6'11.83"E
40.	205	27°14'45.76"N; 95° 5'41.20"E
41.	5	27°14'24.16"N; 95° 5'5.53"E
42.	404	27°14'44.18"N; 95° 4'21.53"E
43.	DHP	27°14'52.21"N; 95° 6'42.11"E
44.	DHP-1	27°14'52.28"N; 95° 6'41.66"E
45.	207	27°15'4.44"N; 95° 6'55.19"E
46.	MET	27°12'23.63"N; 95° 6'24.32"E
47.	G	27°20'8.40"N ; 95° 1'5.71"E
48.	H	27°18'55.67"N; 94°53'45.32"E
49.	J	27°20'21.25"N; 95° 0'16.55"E
50.	K	27°18'45.49"N; 95° 2'38.81"E
51.	11	27°12'56.21"N; 95° 5'8.47"E
52.	108	27°15'35.64"N; 95° 6'3.49"E

Sl. No	Well Name	Geographical Coordinates
53.	DIC-H	27°15'52.99"N; 95° 7'23.53"E
54.	NLD	27°20'56.20"N; 95°14'33.54"E
55.	NLB	27°20'46.24"N; 95°14'28.46"E
56.	DGE	27°15'24.61"N; 95° 7'7.97"E
57.	DIB	27°15'22.94"N; 95° 7'20.99"E
58.	DGS	27°15'39.43"N; 95° 7'55.73"E
59.	201	27°12'53.75"N; 94°54'8.65"E
60.	202	27°12'6.62"N; 94°54'48.73"E
61.	203	27°13'39.80"N; 94°54'49.00"E
62.	204	27°13'7.22"N; 94°56'22.73"E
63.	209	27°15'17.64"N; 95° 9'11.16"E
64.	220	27°17'11.52"N; 95° 4'47.17"E
65.	221	27°16'53.08"N; 95° 4'13.43"E
66.	222	27°16'50.08"N; 95° 3'18.40"E
67.	223	27°16'55.09"N; 94°54'28.92"E
68.	228	27°15'10.55"N; 95° 6'20.70"E

S No.	Production Installation Name	Coordinates
1.	QPS4	27°12'14.33"N; 95°10'3.13"E
2.	QPS5	27°11'2.34"N; 95° 7'56.14"E
3.	QPS6	27°12'35.13"N; 95° 3'23.67"E
4.	FGGS1	27°22'28.92"N; 95° 1'43.67"E
5.	FGGS2	27°20'43.71"N; 95° 3'21.83"E
6.	FGGS3	27°19'18.36"N; 95° 7'47.87"E

7.	FGGS4	27°17'19.19"N; 95° 4'11.81"E
8.	FGGS5	27°13'48.58"N; 95°11'13.13"E
9.	FGGS6	27°19'8.10"N; 94°59'53.40"E

5. Ministry had issued Environmental Clearance for the existing 5 wells vide letter no. J-11011/1254/2007-IA-II(I); dated 1st November 2011. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Guwahati vide RO-NE/E/IA/AS/MI/61/1069-1071 dated 3rd September 2021. Action Taken Report has been submitted to IRO, MOEFCC, by Oil India dated 27.10.2021 for partial compliances or Certified Action Taken Report has been obtained by IRO, MOEFCC, No. RO-NE/E/IA/AS/MI/61/1857-1859 dated 24th January 2022.

6. Standard Terms of Reference have been obtained vide F. no. J-11011/323/2017-IA.II (I); dated 29 September 2017. It 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 24th August, 2022 at Zilla Parishad Bhawan Rajgarh for Dibrugarh district chaired by Additional Deputy Commissioner, Dibrugarh. The main issues raised during the public hearing and their action plan:

Regarding developmental project for the uplifting of the social-economic condition of locals, Development of neighbouring school, colleges, drinking water facilities, bus sheds, plantation of evacuated drilling sites etc., PP informed that budget allocated for CER plan INR 1.70 crores for 7 years (2022-23 to 2028-29).

Regarding conditions of the abandoned rigs in the area which are unattended & in which various instances of accidents, PP informed that barricading of abandoned drill sites Restoration of abandoned drill sites within 1 year of declaration as abandoned, Barricading the abandoned KSA well sites Rs. 1 lakh per well x 2 wells= Total Rs. 2 lakhs.

Regarding proper barricading of the drill sites to be undertaken, PP informed that barricading the abandoned well sites Rs. 1 lakh per well x 2 wells= Total Rs. 2 lakhs (included in CER plan).

Regarding inadequate compensation to the affected people and effective fencing around the abandoned rigs, PP informed that compensation to the affected community will be paid as per Govt. rules upon discussion with local panchayat, Budget included in cost of drilling.

Regarding proper implementation of CSR fund. Rajgarh AASU has submitted many memorandum to M/S OIL Authorities, which has been deliberately ignored, CSR fund in the area will be spend as per Govt. rule.

Regarding Only 10% of expected work has been completed by M/S OIL and they want a positive response from M/S OIL within 10 days, PP informed that CSR budget is earmarked as follows:

- Mobile health services- Rs. 2 lakhs per year for 7 years = Total 14 lakhs • Development of 4 sheds at bus stops in the area= Rs. 4.5 lakhs per bus shed; Total Rs. 18 lakhs.
- Drinking water facilities Rs. 0.2 lakh per hand pump x 100 pumps= Total Rs. 20 lakhs.
- Infrastructure improvement work across schools in 15 schools Rs. 1 lakh per school= Total Rs. 15 lakhs.
- Training support for skill development among women Rs.1 lakh per training program x 5 training programs= Total Rs. 5 lakhs, Industrial training for students Rs. 0.5 lakh per student x 30 selected students = Rs. 15 lakhs.
- Desilting and infrastructure development of ponds at the peripheral villages to promote pisciculture.Rs.1 lakh per pond x 10 ponds= Total 10 lakhs.
- Contributing to sericulture development 0.1 lakh per family x 50 families working in sericulture= Total Rs. 5 lakhs.
- Fund for horticulture development for locals 0.1 lakhs per family x 50 families working in horticulture= Total Rs. 5 lakhs.
- Plantation at abandoned drill sites= Rs. 10 lakhs. Barricading the abandoned KSA well sites Rs. 1 lakh per well x 2 wells= Total Rs. 2 lakhs.
- Provision for street light at major traffic intersections Rs. 20 lakhs.

Regarding economic sanction for Tingkhong college and development of library in the area, PP informed that fund to be allocated for development of Tingkhong College, Rs. 10 lakhs (included in CER plan).

Regarding Concerned about soil, air, noise pollution and water pollution, waste management from drill sites, PP informed that detail of cost breakup of implementation of Environmental Conservation measures for each well would be INR 0.1 crore and for each production installation would be INR 0.062 crore per annum.

Regarding strict monitoring regarding pollution by the officials of PCBA., PP informed that Half yearly monitoring of air, noise, water, soil will be conducted in proximity to the drill sites. OIL will submit 6 monthly environmental monitoring report and report on compliance to the Environmental Clearance conditions to MOEF&CC and PCBA. Budget for monitoring included in EMP.

Regarding Protection of flora and fauna in the area, OIL prepared Wildlife Conservation plan for Schedule-I species. INR 58 lakhs for 7 years (2022-23 to 2028-29).

Regarding an incident about hand pump, pumping out water mixed with oil. When complain was lodged M/S OIL took the sample of it some 7 months ago but the people of the area still awaits the report. If PCBA is unable to sort problems related to pollution then he asked PCBA to direct them to that department which can actually solve their problems, OIL will develop a grievance management cell for management of public grievances. Environmental monitoring from NABL accredited laboratories will be conducted and if presence of pollution is established then specific action plan will be

developed engaging a reputed university/research institute. Budget for monitoring and study will be allocated as and when necessary

Regarding Noise pollution in drilling sites which affects the neighbouring village, PP informed that noise barrier will be used. Regular noise monitoring will be conducted. Cost of noise barrier included in drilling budget.

Regarding initiative to control the pollution in the flares is the Oil Installation which produce high noise during stormy season and also cause air pollution. Due to which the silk worm farm near the college has been adversely affected and production has been reduced.

Regarding Silk worm farms are also affected due to the air pollution caused from these drilling site, PP informed that A complaint was lodged earlier, investigation conducted by OIL through Assam Agricultural University; however no conclusive evidence of impact on silkworms from drilling was established. OIL has earmarked budget as per CER plan for sericulture development in the area, Contributing to sericulture development 0.1 lakhs per family x 10 families per year x 7 years= Total Rs. 7 lakhs (included in CER plan).

Regarding Use of noise barriers made scientifically to control the noise pollution, OIL will provide noise barriers at drill site to control noise pollution, Cost of noise barrier included in drilling budget.

8. Total plant area after expansion will be 282 Ha (existing plant area 15 Hectares and additional land required 267 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 157500 m². The estimated project cost is Rs 2751.40 Crores. Capital cost of EMP would be Rs. 0.90 Crores and recurring cost for EMP would be Rs. 2.14 Crores per annum. Industry proposes to allocate Rs. 1.54 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 180 persons as direct & indirect.

9. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance of proposed wells and production installations. Diroi RF, Jokai R.F., Telpani R. F., Sapekhati R.F. and Namdang RF located within the Block, however, no wells or production installation locate in forest land. The Bherjan Borjan Podumoni Wildlife Sanctuary is located at a distance of 12.1 km from nearest proposed well. ESZ for same is not finalized yet. Conservation plan for schedule I species has been submitted to PCCF & Chief Wildlife Warden Assam dated 13.03.2021 and a budget of 0.51 Crores has been earmarked for the same. Buri Dehing River is present within the Block, however, the well sites will be located away from Burhi Dehing River. Brahmaputra River is located 6.65 km northwest of the Block.

10. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance of proposed wells and production installations. Diroi RF, Jokai R.F., Telpani R. F., Sapekhati R.F. and Namdang RF located within the Block, however, no wells or production installation locate in forest land. The Bherjan Borjan Podumoni Wildlife Sanctuary is located at a distance of 12.1 km from nearest proposed well. ESZ for same is not finalized yet. Conservation plan for schedule I species has been submitted to PCCF & Chief Wildlife Warden Assam dated

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11. Total fresh water requirement after expansion will be 39 CMD for each well which will be met from groundwater. NOC has been obtained from CGWA vide letter no. CGWA/NOC/MIN/ORIG/2021/11925 dated 18.05.2021. 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 waste water will be treated in septic tank and soak pits. Committee suggested to treat domestic waste water in STP instead of septic tank. During the drilling phase, wastewater will be generated as a result of rig wash and dewatering of spent mud and washing of drill cuttings. The wastewater will be treated in an Effluent Treatment System (ETP) at site. The treated water would be reused. In production facilities, produced formation water will be disposed to the shallow wells after necessary treatment; surface Runoff after treatment through Oil Water Separator (OWS) and sedimentation tank. 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 7 m will be provided as per CPCB norms to the proposed DG sets. Power requirement for the production installations will be met through Gas Generator (GG) sets of 216 KW capacity.

13. Details of Process emissions generation and its management

Operation of DG sets and 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 earlier considered by the EAC (Ind-2) EAC in its 45th EAC meeting held during 29th – 30th November, 2021 and again considered in EAC Meeting ID: IA/IND2/13361/21/10/2022 held on 21st October, 2022 M/s. ERM India Pvt. Ltd. (NABET certificate no. NABET/EIA/1922/RA 0177 and validity 30.10.2022), presented the case under A category.

16. During deliberations, the committee was satisfied with the response of the PP against the additional details sought. Further, EAC discussed following issues:

- PP informed that the venue of the Re-PH was Zila Parishad Bhawan falling within the overlapping of the area of project site in Dibrugarh district. Separate sets of Drat EIA Report was prepared and shared with concerned Govt. Official and local residents of the site. During the PH, two separate presentation were made for each project one after the another. The concerns raised in PH was found similar and therefore SPCB has prepared single common Minutes.
- EAC noted that there are many partial compliances. Time bound action plan for partial compliances reported shall be submitted by PP. PP has submitted the same.
- Details of flare system shall be submitted. Flaring system will be developed within the production installation to flare the excess gas that cannot be stored or transported. Non-luminous ground flaring as per applicable OISD will be installed.
- PP shall submit details of produced water, treatment and management. PP informed that ETP of 50 KLPD will be installed. It is planned to develop 3 new water injection wells at 3 production installation. Water injection wells will be drilled once the installation is in operation.

The committee was satisfied with the response provided by PP on above information.

17. 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.

18. 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.

19. 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.

20. 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 exploratory and Development drilling wells and production in Dibrugarh & Sibsagar districts under Dibrugarh, Dibrugarh Extn., Hugrijan, Naharkatiya, Sapkaint, Dumduma, Dholiya and Moran, Moran Extn., Borhat PMLs located in villages Telpani, Teloibari, Rajgarh, Tinkhong, Paniyabura villages in Tehsils Dibrugarh East, Moran, Tinkhong and Naharkatiya of District Dibrugarh, State Assam 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 project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.
- (ii) No drilling activities shall be carried out within 500 m from the water bodies.
- (iii) 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.
- (iv) No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.
- (v) Total fresh water requirement shall not exceed 39 m³/day and will be met through Tankers Supply. Prior permission shall be obtained from the concerned regulatory authority.
- (vi) The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. Mobile ETP coupled with RO shall be installed to reuse the treated water in drilling system. Mobile STP shall also be installed. The size of the waste pit shall be equal to the hole volume+ volume of drill cutting and volume of discarded mud if any.

Two feet free board may be left to accommodate rainwater. There shall be separate storm water channel and rainwater shall not be allowed to mix with wastewater. Level of the Drilling site shall be constructed in such way that outside rainwater should not enter into the drilling site. Alternatively, if possible, pit less drilling be practiced instead of above.

- (vii) 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.
- (viii) As proposed, produced formation water is stored in formation water tanks shall be disposed to the abandoned wells of OIL after necessary treatment. Separated water from phase separation system will be treated in an ETP and will be reused. Treated effluent shall meet the water quality standards for re-injection well as per the CPCB/SPCB guidelines. PP shall monitor water quality of treated effluent regularly and maintain records.
- (ix) During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
- (x) The project proponent also to ensure trapping/storing of the CO₂ generated, if any, during the process and handling.
- (xi) Approach road shall be made pucca to minimize generation of suspended dust.
- (xii) 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.
- (xiii) 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.
- (xiv) 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.
- (xv) 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. Ground flaring system with all measures (Protected by a shield or embankment/ enclosed flaring) instead of elevated flare

as wildlife sanctuary is located at a distance of 12.1 km.

- (xvi) The project proponent shall develop a contingency plan for H₂S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H₂S detectors in locations of high risk of exposure along with self-containing breathing apparatus.
- (xvii) Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.
- (xviii) 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. After completion of drilling of any well, the owner or operator shall restore the well site, remove or fill all pits used to contain produced fluids or industrial waste and remove all drilling supplies and equipment not needed for production.
- (xix) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility (Rs. 4.36 Crores), and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within 1 year as proposed.
- (xx) No lead acid batteries shall be utilized in the project/site.
- (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 and report & shall sent to the Ministry's Regional Office.
- (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.
- (xxiv) PP shall sensitize and create awareness among the people working within the

project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

B. General Condition:

- (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.

21. 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.

22. 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.

23. 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.

24. 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.

25. 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. Guard File/Monitoring File/ Parivesh Portal /Record File

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