



HSE Department
Oil India Limited
Duliajan, Dibrugarh, 786602, Assam
Phone : 0374-2800542
Email: safety@oilindia.in

संदर्भ सं./Ref. No.: S&E/E/43C-1/624

दिनांक/Date: 29.05.2025

From	:	Executive Director (HSE & ESG)
To	:	Deputy Director General of Forests (Central), Sub Office, Guwahati (under Regional Office, Shillong), 4th Floor, Housefed Building, Rukminigaon, Guwahati-781022. (Email : iro.guwahati-mefcc@gov.in , iro.moefcc.ghy@gmail.com)
Subject	:	Submission of Half-yearly (October 2024 to March 2025) compliance reports of the conditions stipulated in the Environment Clearance (EC) granted to Oil India Limited.

Sir,

Reference to above subject, please find enclosed herewith the Half-yearly (**October 2024 to March 2025**) compliance reports of the conditions stipulated in the Environment Clearance (EC) granted to Oil India Limited. List of the EC are tabulated below:

S.No	EC Identification No/File No.	Name of the EC proposal
1.	F. No. J-11011/413/2008-IA II (I) dated 24.01.2011	OCS Bhogpara.
2.	F. No. J-11011/1251/2007-IA II (I) dated 01.11.2011	Exploratory Drilling of 01 (One) well at Doomdooma-Pengry Area, District Tinsukia, Assam.
3.	F. No. J-11011/682/2008-IA II (I) dated 17.06.2013	Expansion of Gas field Development in Tengakhat-Naharkatia-Jorajan area and Doomdooma Pengry area, Assam by M/s Oil India Ltd.
4.	F. No. J-11011/116/2018-IA II (I) dated 07.01.2020	Onshore Oil & Gas Exploration & Development Drilling and Production in Ningru Oil & Gas Field in Districts Changlang and Namsai for Ningru PML Block (Arunachal Pradesh)
5.	F. No. J-11011/1260/2007-IA II (I) dated 09.04.2020	Onshore Oil & Gas Development Drilling and Production in Mechaki Area covering Mechaki, Mechaki Extension, Baghjan and Tinsukia Extension PMLs on District Tinsukia (Assam).
6.	F. No. J-11011/150/2016- IA II (I) dated 11.05.2020	Extension Drilling & Testing of Hydrocarbons at 7 (seven) Locations under Dibru-Saikhowa National Park Area, North-West of Baghjan PML, District Tinsukia, Assam.
7.	F. No. J-11011/1253/2007-IA II (I) dated 28.12.2020	Onshore Oil & Gas development drilling and production by M/S Oil India Ltd in Dibrugarh district under Dibrugarh, Chabua, Hugrijan and Tinsukia PMLs. (Dibrugarh- Bhogpara)
8.	F. No. J-11011/375/2016-IA II (I) dated 28.12.2020	Onshore Oil & Gas Development Drilling and Production (179 wells and 9 Production Installations) in North Hapjan – Tinsukia – Dhola area under Tinsukia district, Assam.



HSE Department
Oil India Limited
Duliajan, Dibrugarh, 786602, Assam
Phone : 0374-2800542
Email: safety@oilindia.in


9.	F. No. J-11011/35/2018-IA II (I) dated 26.02.2021	Onshore Oil & Gas development drilling and production by M/S Oil India Ltd. Located in Khagorijan Oil & Gas Field in Dibrugarh & Tinsukia District under Tinsukia PML, Tinsukia Extension PML and Chabua PML District: Dibrugarh, Assam
10.	F. No. J-11011/186/2016-IA II (I) dated 03.03.2021	Onshore Oil & Gas development drilling and production in Borhat-Titlagarh area, Dibrugarh, Sibsagar and Charaideo Districts under Sapkainth, Borhat, Moran Extension and Doomdooma PMLs.
11.	EC22A002AS110311 F. No. J-11011/156/2017-IA II (I) dated 28.11.2022	Oil & Gas development drilling and production (16 exploratory, 73 developmental drilling wells and 9 Production Installations) in Moran Area under Dibrugarh, Sibsagar and Charaideo districts, Assam.
12.	EC23A002AS125690 F. No. J-11011/1254/2007-IA II (I) dated 13.01.2023	Oil & Gas development drilling and production (68 developmental drilling wells and 9 Production Installations) in Khowang Shalmari Area under Dibrugarh, Sibsagar districts, Assam.
13.	EC23A002AS188131 F.No J-11011/1257/2007- IA II (I) dated 17.04.2023	Onshore Oil & Gas development drilling and production (167 wells and 7 production Installations) in Tengakhat-Kathaloni-Dikom (TKD) under Dibrugarh district, Assam.
14.	EC23A002AS198872 F. No. J-11011/388/2016-IA II (I) dated 31.07.2023	Onshore Oil & Gas development drilling (67 wells) in Jorajan Area under Dibrugarh, Charaideo and Tinsukia districts, Assam.
15.	EC23A002AS146942 F.No. J-11011/546/2017-IA(I) dated 20.09.2023	Onshore Oil & Gas development drilling and production (294 wells and 2 Production Installations) in Naharkatiya-Deohal-Bogapani-Nagajan (NDBN) area under Dibrugarh & Tinsukia districts, Assam.

This is for your kind information please.

Thanking you.

Yours faithfully,
For Oil India Limited




(Mallika Baruah Sarma)
Executive Director (HSE & ESG)
Nodal Officer (EC, FC, NBWL)
For Resident Chief Executive

Encl: As above



HSE Department

Oil India Limited

Duliajan, Dibrugarh, 786602, Assam

Phone : 0374-2800542

Email: safety@oilindia.in

Copy:

1. Director, Monitoring Cell, MoEF, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003.
2. Zonal Office, Central Pollution Control Board, "TUM-SIR", Lower Motinagar, Near Fire Brigade Headquarter, Shillong-793014.
3. Chairman, Assam Pollution Control Board, Bamunimaïdan, Guwahati-781021, Assam.
4. Chairman, Arunachal Pradesh State Pollution Control Board, Office of the Principal Chief and Secretary (E&F) Conservator of Forests, Govt. of Arunachal Pradesh, Itanagar-791111, Arunachal Pradesh.

- **Name of the Project:** Oil & Gas development drilling and production (16 exploratory, 73 developmental drilling wells and 9 Production Installations) at Moran Area in Dibrugarh, Sibsagar and Charaideo districts, Assam by M/s Oil India Limited.
- **EC Identification No, File No and date:** EC22A002AS110311, J-11011/156/2017 - IA II (I) Dated 28.11.2022.
- **Period of Compliance Report:** October 2024 to March 2025..

Specific Conditions:

S. No.	CONDITION	COMPLIANCE STATUS
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.	Complied OIL has submitted Site - Specific wildlife conservation plan and wildlife management plan to Chief Wildlife Warden, Assam for approval. Copy of the same is enclosed as Annexure – 1 .
II.	No drilling activities shall be carried out within 500 m from the water bodies.	Complied No drilling activity is carried out within 500m from water body.
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. PP shall ensure implementation of action plan proposed to address issues raised during public hearings dated 24.08.2022, 08.12.2022 & 11.12.2020.	Complied
IV.	As proposed, no pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the concerned Forest Department under Forest Act/Wildlife Act.	Complied No pipeline is laid in Forest land/ Protected Area.
V.	Total fresh water requirement shall not exceed 25 m ³ /day per well for drilling and will be met through Tankers Supply. Prior permission shall be obtained from the concerned regulatory authority.	Complied Total freshwater consumption is within the permitted limit. Groundwater abstraction by Oil India Ltd for drilling activities are exempted from obtaining NOC from Central Ground Water Authority (CGWA) as per the Public Note dated 01.08.2023. Copy of the same is enclosed as Annexure – E .

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 the above	Complied Zero Liquid Discharge is maintained at the drilling location. Mobile ETP coupled with RO is installed to treat the effluent generated from the drilling location. Quantity of domestic sewage generated from the drilling locations is minimum and is being treated in ETP. Test report of ETP treated effluent at location MGK, Loc. MGL, Loc. MHB & Loc. MHC is enclosed as Annexure – 2.
VII.	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.	Complied Currently drilling activity is in progress. Once production commences, Formation water will be treated in Effluent Treatment Plant (ETP) before disposal in water disposal wells. Monitoring of the quality of treated effluent will be carried out before reinjection into the wells.
VIII.	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.	Complied Portable Multi-gas detector & Explosimeter are used to detect fugitive emissions of Methane (if any).
IX.	The project proponent also to ensure trapping/storing of the CO ₂ generated, if any, during the process and handling.	Complied No CO ₂ generated is generated during drilling.
X.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied Approach road to the drilling location is made pucca to minimize dust generation.
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.	Complied Regular maintenance of equipment/ machinery is carried to minimize noise generation. Acoustic enclosures are provided around DG sets and also adequate Stack Height is provided for DG sets as per CPCB guidelines.

XII.	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.	Complied Garland drains are constructed around the drilling location to prevent runoff of any oil containing waste into the nearby water bodies.
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 30 th August, 2005.	Complied Drill cuttings separated from drilling fluid are disposed in HDPE lined pit and mud is tested for Hazardous contaminants as per Hazardous and Other Wastes (Management & Transboundary) Movement Rules, 2016. Toxicity test report of waste drilling mud of Loc. MGK, Loc MGL, LocMHC is enclosed as Annexure –3 .
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.	Complied Oil Spill Contingency Plan is in place. In case of Oil spillage/ contamination, action will be taken as per the Oil spill contingency plan prepared by OIL. Recyclable waste (oily sludge) and spent oil is sent to Pollution Control Board, Assam 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 10.6 km.	Complied Fixed firefighting system is installed at drilling locations and in case of any oil spillage necessary remediation actions will be taken as per the Oil Spill Contingency Plan.
XVI.	The project proponent shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	Complied Contingency Plan for H ₂ S release is in place. OIL never encountered H ₂ S and no such evidence exists in our field of operation. However, multi-gas detector and Self Containing Breathing Apparatus (SCBA) are kept available to meet the emergency situation, if any.
XVII.	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.	Complied BOP systems are installed at the drilling locations for prevention of Blowouts.

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.	Will be Complied On completion of the drilling activity, plugging of abandoned wells will be carried out as per the OIL's Well Abandonment, Site Restoration and Reclamation policy.
XIX.	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility (Rs. 9.0 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.	Being Complied
XX.	No lead acid batteries shall be utilized in the project/site.	Complied No lead acid batteries are utilized at the drilling location.
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.	Complied Occupational Health Surveillance of workers engaged in drilling operation is being carried out on regular basis. All workers & employees engaged in drilling operation are provided with Personal Protective Equipment (PPE). Details of the IME/PME are enclosed as Annexure -4.
XXII.	Oil content in the drill cuttings shall be monitored and report & shall sent to the Ministry's Regional Office.	Complied. Test report of Oil content in the drill cuttings generated from Loc. MGK, Loc MGL & Loc MHB is enclosed as Annexure – 5.

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.	Complied SOPs for all the operations covering safety and environment related issues are prepared. OIL has prepared Environmental manual which is made available at the drilling location. Copy of the same is enclosed Annexure – B . Also, all the environmental monitoring reports related to ambient air quality, Stack Gas monitoring, ETP effluent, Noise level are maintained at the drilling location.
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 12 th 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	Complied OIL has arranged an awareness drive on the ban on single-use plastic at Kachari Pathar M.E School on 21.05.2024.

General Conditions:

S. No.	CONDITION	COMPLIANCE STATUS
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.	Complied No further expansion or modification other than mentioned in the EIA Notification, 2006 and its amendments, is carried out without prior approval of the Ministry of Environment, Forest and Climate Change.
II.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Complied LED lights are installed for lighting purposes at the drilling locations.
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	Complied. Noise level at the drilling locations is kept within the permissible limits by providing acoustic enclosures around the DG sets.

	(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 socioeconomic 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.	Being Complied
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.	Being Complied
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.	Complied
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.	Complied EC compliance report for the period April 2024 to September 2024 was submitted to Sub-Office (MoEF&CC), Guwahati, Zonal Office CPCB, Shillong and Chairman - Pollution Control Board Assam vide L.No. S&E/E/43C-1/1243 dated 30.11.2024. Also, copy of the EC and Six-monthly compliance report are uploaded to OIL website under the links https://www.oil-india.com/environmental-compliance-grants & https://www.oil-india.com/environmental-compliance-reports respectively.
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	Complied. Environment Statement (Form – V) for the F.Y. 2023-24 was submitted

	(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.	to Pollution Control Board, Assam vide No. S&E/E/21(B)/1013 dated 24.09.2024. Copy of the same is enclosed as Annexure – C .
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.	Complied. Advertisement regarding the issuance of the Environment Clearance was published in two newspapers i.e., Amar Asom and Assam Tribune dated 10.12.2022. Copies of the same are enclosed as Annexure – 6 as newspaper column cuttings.
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.	Will be complied.
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.	Agreed.



Annexure - I

HSE Department
Oil India Limited
Duliajan, Dibrugarh, 786602, Assam
Phone : 0374-2800542
Email: safety@oilindia.in

संदर्भ सं./Ref. No.: S&E/E/43(14)/1150

दिनांक/Date: 02.11.2024

From	:	ED (HSE & ESG)
To	:	The Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden Office of the PCCF (Wildlife), Aranya Bhawan, Panjabari, , Guwahati, Assam – 781037.
Subject	:	Submission of Site-Specific Conservation Plan and Wildlife Management Plan for Schedule – I species against the Environment Clearance proposals of Oil India Limited.
Ref	:	OIL Letter Ref. No. S&E/E/43(4)/1157 dated 25.08.2021.

Sir,


Oil India Limited (OIL) has submitted Environment Clearance proposals No. IA/AS/IND2/226998/2007 (Moran Block) to Ministry of Environment, Forest & Climate Change (MoEF&CC) for carrying Onshore Oil & Gas drilling and production activities in the Nominated Petroleum Mining Lease (PMLs) of Assam.

In compliance with the Environment Clearance granted by MoEF&CC, OIL has prepared Site-specific conservation plan and Wildlife management plan for Schedule – I species and the same was submitted to your good office vide letter dated 25.08.2021 for approval. The approved plan is required for fulfilling the Environment Clearance compliance Condition as stipulated in the EC. (Copies enclosed as **Annexure – I**).

View above, we are request you to kindly approve the Site-specific conservation plan and Wildlife Management Plan for Schedule – I species against the above-mentioned EC proposal.

Thanking you.

Yours faithfully,
Oil India Limited


(R K Singh) 2/11/2024

Executive Director (HSE & ESG) I/C
Nodal Officer (EC, FC & NBWL)
For Resident Chief Executive

Encl: As above.

*Received
2/11/24*

Annexure-2



Envirocon Building, I.O.C.I. (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam – 786 171
Ph: 03751-264414, 9435008687, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/ARDS/24-25/S-05/WW-11/02
Date : 07/12/2024

Order No.: Telecon
Date :

Report Issued To : **ADITIR & D SERVICES**
Nilesh Buisness Complex, A. T. Road, Digboi, Assam

TEST RESULTS

Sample Ref. No. : ARDS/2024/S-05/2811/01 Sample Source : Rig S#5/MGK, Demow Sample Type : ETP Treated Water (RO)
Collected On : 28-11-2024 Received On : 29-11-2024 Collected By : ETP Supervisor, ARDS

Sl. No.	Parameters	Results	Limit [G.S.R. 176(E), 02.04.1996]
1	Colour	Colourless	Colourless
2	Odour	Odourless	Odourless
3	pH value	7.12	5.5 – 9.0
4	Temperature, °C	25.5	40 °C
5	TSS, mg/l	<5.0	100
6	BOD, mg/l	<1.0	30
7	COD, mg/l	24	100
8	Chlorides (as Cl), mg/l	<5.0	600
9	Sulfates (as SO ₄), mg/l	<1.0	1000
10	TDS, mg/l	39	2100
11	Sodium, (%)	1.5	60
12	Oil & Grease, mg/l	<4.0	10
13	Phenolic Compounds as C ₆ H ₅ OH, mg/l	<0.001	1.2
14	Cyanides, mg/l	<0.001	0.2
15	Fluorides (as F), mg/l	<0.01	1.5
16	Sulfide (as S), mg/l	<0.01	2.0
17	Chromium (Cr +6), mg/l	<0.001	0.1
18	Chromium (Total), mg/l	<0.001	1.0
19	Copper, mg/l	<0.001	0.2
20	Lead, mg/l	<0.001	0.1
21	Mercury, mg/l	<0.001	0.01
22	Nickel, mg/l	<0.001	3.0
23	Zinc, mg/l	<0.01	2.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.I. (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Annexure-2



Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam – 786 171
Ph: 03781-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/ARDS/24-25/S-05/WW-01/01
Date : 22/01/2025

Order No.: Telecon
Date :

Report Issued To : **ADITI R & D SERVICES**
Nilesh Buisness Complex, A. T. Road, Digboi, Assam

TEST RESULTS

Sample Ref. No. : ARDS/2025/S-05/1301/01 Sample Source : Rig S#5/MGL, Demow Sample Type : ETP Treated Water (RO)
Collected On : 13-01-2025 Received On : 15-01-2025 Collected By : ETP Supervisor, ARDS

Sl. No.	Parameters	Results	Limit [G.S.R. 176(E), 02.04.1996]
1	Colour	Colourless	Colourless
2	Odour	Odourless	Odourless
3	pH value	7.19	5.5 – 9.0
4	Temperature, °C	25.3	40 °C
5	TSS, mg/l	<5.0	100
6	BOD, mg/l	<1.0	30
7	COD, mg/l	21	100
8	Chlorides (as Cl), mg/l	<5.0	600
9	Sulfates (as SO ₄), mg/l	<1.0	1000
10	TDS, mg/l	35	2100
11	Sodium, (%)	1.2	60
12	Oil & Grease, mg/l	<4.0	10
13	Phenolic Compounds as C ₆ H ₅ OH, mg/l	<0.001	1.2
14	Cyanides, mg/l	<0.001	0.2
15	Fluorides (as F), mg/l	<0.01	1.5
16	Sulfide (as S), mg/l	<0.01	2.0
17	Chromium (Cr ⁶⁺), mg/l	<0.001	0.1
18	Chromium (Total), mg/l	<0.001	1.0
19	Copper, mg/l	<0.001	0.2
20	Lead, mg/l	<0.001	0.1
21	Mercury, mg/l	<0.001	0.01
22	Nickel, mg/l	<0.001	3.0
23	Zinc, mg/l	<0.01	2.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Annexure-2



Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam – 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/ARDS/24-25/S-06/WW-11/01
Date : 21/11/2024

Order No.: Telecon
Date :

Report Issued To : **ADITI R & D SERVICES**
Nilesh Buisness Complex, A. T. Road, Digboi, Assam

TEST RESULTS

Sample Ref. No. : ARDS/2024/S-06/1311/01 Sample Source : Rig S#6/MHB, Demow Sample Type : ETP Treated Water (RO)
Collected On : 13-11-2024 Received On : 14-11-2024 Collected By : ETP Supervisor, ARDS

Sl. No.	Parameters	Results	Limit [G.S.R. 176(E), 02.04.1996]
1	Colour	Colourless	Colourless
2	Odour	Odourless	Odourless
3	pH value	7.26	5.5 – 9.0
4	Temperature, °C	25.6	40 °C
5	TSS, mg/l	<5.0	100
6	BOD, mg/l	<1.0	30
7	COD, mg/l	31	100
8	Chlorides (as Cl), mg/l	<5.0	600
9	Sulfates (as SO ₄), mg/l	<1.0	1000
10	TDS, mg/l	42	2100
11	Sodium, (%)	1.4	60
12	Oil & Grease, mg/l	<4.0	10
13	Phenolic Compounds as C ₆ H ₅ OH, mg/l	<0.001	1.2
14	Cyanides, mg/l	<0.001	0.2
15	Fluorides (as F), mg/l	<0.1	1.5
16	Sulfide (as S), mg/l	<0.01	2.0
17	Chromium (Cr ⁺⁶), mg/l	<0.001	0.1
18	Chromium (Total), mg/l	<0.001	1.0
19	Copper, mg/l	<0.001	0.2
20	Lead, mg/l	<0.001	0.1
21	Mercury, mg/l	<0.001	0.01
22	Nickel, mg/l	<0.001	3.0
23	Zinc, mg/l	<0.01	2.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroj, **ENVIROCON**

NOTE:

- Results reported are valid at the time of and under the prevailing conditions of measurement.
- Results refer only to the particular parameters tested.
- This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Annexure-2



Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam – 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/ARDS/24-25/S-06/WW-03/01
Date : 20/03/2025

Order No.: Telecon
Date :

Report Issued To : **ADITI R & D SERVICES**
Nilesh Buisness Complex, A. T. Road, Digboi, Assam

TEST RESULTS

Sample Ref. No. : ARDS/2025/S-06/1203/01 Sample Source : Rig S#6/MHC, Demow Sample Type : ETP Treated Water (RO)
Collected On : 12-03-2025 Received On : 13-03-2025 Collected By : ETP Supervisor, ARDS

Sl. No.	Parameters	Results	Limit [G.S.R. 176(E), 02.04.1996]
1	Colour	Colourless	Colourless
2	Odour	Odourless	Odourless
3	pH value	7.21	5.5 – 9.0
4	Temperature, °C	23.2	40 °C
5	TSS, mg/l	<5.0	100
6	BOD, mg/l	<1.0	30
7	COD, mg/l	28	100
8	Chlorides (as Cl), mg/l	<5.0	600
9	Sulfates (as SO ₄), mg/l	<1.0	1000
10	TDS, mg/l	46	2100
11	Sodium, (%)	2.3	60
12	Oil & Grease, mg/l	<4.0	10
13	Phenolic Compounds as C ₆ H ₅ OH, mg/l	<0.001	1.2
14	Cyanides, mg/l	<0.001	0.2
15	Fluorides (as F), mg/l	<0.1	1.5
16	Sulfide (as S), mg/l	<0.01	2.0
17	Chromium (Cr ⁺⁺), mg/l	<0.001	0.1
18	Chromium (Total), mg/l	<0.001	1.0
19	Copper, mg/l	<0.001	0.2
20	Lead, mg/l	<0.001	0.1
21	Mercury, mg/l	<0.001	0.01
22	Nickel, mg/l	<0.001	3.0
23	Zinc, mg/l	<0.01	2.0

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

গ্ৰীনটেক্ এনভাইৰনমেন্টেল ইঞ্জিনিয়াৰ এণ্ড কন্সালটেন্টছ
GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS
 (A Unit of XEIJ ABHIJANTRIK LLP)

House No-11, Champaknagar, Narayan Path, Bhetapara, Guwahati-781028, www.greentecheec.in
 Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in



TC-15242

TEST REPORT

GEEC/FM/450A

ULR Number: TC15242250000003F			
Report No: GEEC/FL/23/TOX/2024/12/03		Date:	25/01/2025
Name of the Industry:	OIL INDIA Ltd.	Lab ID	GEEC/TT/2024/12/03
Address:	Oil India Ltd. Duliajan District: Dibrugarh, State : Assam	Date of Sampling/Collection:	30/12/2024
		Date of Receipt in Duliajan:	30/12/2024
		Date of Receipt in Lab:	31/12/2024
Rig	S-5	Test Start Date:	31/12/2024
Location:	MGK	Test End Date:	04/01/2025
DRILL FLUID QUALITY FOR TOXICITY			
SAMPLING RESULT			
Depth (Meter)	3103	Mud Weight (MW,pcf)	68
Mud Type	HPWBM (SLB)	MFV sec	51
Dose	Sample Concentration	Mortality (In%)	Test Method
1	Control sample	0	IS 6582 (Part 2) Bioassay using Zebra Fish
2	5000 mg/L	10	
3	10000 mg/L	30	
4	20000 mg/L	40	
5	30500 mg/L	50	
6	40000 mg/L	60	
7	50000 mg/L	70	
Sample Drawn By : Client			
Remarks: Limit for Toxicity of Drill Fluid 96 Hrs LC 50 > 30000 mg/l by fish toxicity.			
Checked by: Dr. Belinda Lahon Quality Manager		Reviewed by: Pranjal Buragohain Authorised Signatory	

* The results relate only to the item tested.

* The test report shall not be produced except in full, without written approval of the laboratory.

* The test report cannot be used as evidence in the court of law without prior written approval of the laboratory.

***** End of report *****



গ্ৰীণটেক এনভাইৰনমেন্টল ইঞ্জিনিয়াৰ এণ্ড কন্সালটেন্টছ GREEN TECH ENVIRONMENTAL ENGINEER & CONSULTANTS

House No-11, Champaknagar, Narayan Path, Bhetapara, Guwahati-781028, www.greentecheec.in
Telefax -0361 3501950 Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in



TC-14361

TEST REPORT

GEEC/FM/450A

ULR Number: TC143612400000003F			
Report No: GEEC/FL/23/TOX/2024/08/03		Date:	15/09/2024
Name of the Industry:	OIL INDIA Ltd.	Lab ID	GEEC/TT/2024/08/03
Address:	Oil India Ltd. Duliajan District: Dibrugarh, State : Assam	Date of Sampling/Collection:	09/08/2024
		Date of Receipt in Duliajan:	14/08/2024
		Date of Receipt in Lab:	16/08/2024
Rig	S-5	Test Start Date:	16/08/2024
Location:	MGL	Test End Date:	20/08/2024
DRILL FLUID QUALITY FOR TOXICITY			
SAMPLING RESULT			
Depth	3006 m	Mud Weight (MW,pcf)	70
Mud Type	Polymer-mud	MFV sec	50
Dose	Sample Concentration	Mortality (ln%)	Test Method
1	Control sample	0	IS 6582 (Part 2) Bioassay using Zebra Fish
2	5000 mg/L	10	
3	10000 mg/L	20	
4	20000 mg/L	20	
5	30500 mg/L	30	
6	40000 mg/L	40	
7	50000 mg/L	50	
Sample Drawn By : Client			
Remarks: Limit for Toxicity of Drill Fluid 96 Hrs LC 50 > 30000 mg/l by fish toxicity.			
Checked by:			Reviewed by:
 Dr. Belinda Lahon Quality Manager			 Pranjal Buragohain Authorised Signatory

* The results relate only to the item tested.

* The test report shall not be produced except in full, without written approval of the laboratory.

* The test report cannot be used as evidence in the court of law without prior written approval of the laboratory.

***** End of report *****

গ্ৰীনটেক এনভাইৰনমেণ্টেল ইঞ্জিনিয়াৰ এণ্ড কন্সালটেন্টছ
GREEN TECH ENVIRONMENTAL ENGINEER AND CONSULTANTS

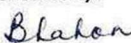
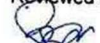
(A Unit of XEUJ ABHIJANTRIK LLP)
House No-11, Champaknagar, Narayan Path, Bhetapara, Guwahati-781028, www.greentecheec.in
Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in



TC-15242

TEST REPORT

GEEC/FM/450A

ULR Number: TC152422500000004F			
Report No: GEEC/FJ/23/TOX/2024/12/04		Date:	25/01/2025
Name of the Industry: OIL INDIA Ltd.		Lab ID	GEEC/TT/2024/12/04
Address:	Oil India Ltd. Duliajan District: Dibrugarh, State : Assam	Date of Sampling/Collection:	28/12/2024
		Date of Receipt in Duliajan:	30/12/2024
		Date of Receipt in Lab:	31/12/2024
Rig	S-6	Test Start Date:	04/01/2025
Location:	MHC	Test End Date:	08/01/2025
DRILL FLUID QUALITY FOR TOXICITY			
SAMPLING RESULT			
Depth (Meter)	931	Mud Weight (MW,pcf)	66
Mud Type	BS-Mud	MFV sec	61
Dose	Sample Concentration	Mortality (In%)	Test Method
1	Control sample	0	IS 6582 (Part 2) Bioassay using Zebra Fish
2	5000 mg/L	10	
3	10000 mg/L	20	
4	20000 mg/L	30	
5	30500 mg/L	40	
6	40000 mg/L	50	
7	50000 mg/L	60	
Sample Drawn By : Client			
Remarks: Limit for Toxicity of Drill Fluid 96 Hrs LC 50 > 30000 mg/l by fish toxicity.			
Checked by:  Dr. Belinda Lahon Quality Manager		Reviewed by:  Pranjal Buragohain Authorised Signatory	



* The results relate only to the item tested.

* The test report shall not be produced except in full, without written approval of the laboratory.

* The test report cannot be used as evidence in the court of law without prior written approval of the laboratory.

***** End of report *****

Annexure-4

Occupational Health Surveillance records of workers (IME & PME) engaged at the drill site:-

This is to certify that enclosed the IME report (FORM O) of the following employees of M/S Marcantile Associates drilling section are physically and mentally fit to join work effectively.

SI No	Name	Designation
1	Nabin Borah	Rig Manager
2	Biswanath Gogoi	Rig Manager
3	Debananda Tamuly	Tool Pusher
4	Diganta Gogoi	Tool Pusher
5	Mridul Gogoi	NTP
6	Naba R. Sonowal	NTP
7	Pankaj Hazarika	Mech. Engg.
8	Pradip Buragohain	Mech. Engg.
9	Bibhuti Ch. Saikia	Elect, Engg.
10	Anuj Kr. Borkakoty	Elect, Engg.
11	Ankur Gogoi	Mud Engg.
12	Siddhartha Konwar	Mud Engg.
13	Manash Borkotoky	Mud Engg.
14	Anupam Gogoi	Mud Engg.
15	Pranab Kr. Borah	Medic
16	Sanjib Baruah	Medic
17	Anirban Buragohain	HSE
18	Pallabjyoti Gogoi	HSE
19	Prabin Borah	Driller
20	Gokul Patra	Driller
21	Mintu Borah	Driller
22	Biswajit Gogoi	Driller
23	Subham Saikia	Asst. Driller
24	Biraj Gogoi	Asst. Driller
25	Achyut Kalita	Asst. Driller
26	Ranjit Phukon	Asst. Driller
27	Dharani Hazarika	Top Man
28	Debabrat Konwar	Top Man
29	Rupam Gogoi	Top Man
30	Bipul Saikia	Top Man
31	Tulon Khanikar	Top Man
32	Putul Das	Top Man
33	Sankar Saikia	Top Man
34	Bipul Khanikar	Top Man
35	Hemanta Konwar	Rig Man
36	Pushpa Deori	Rig Man
37	Kushal Patar	Rig Man
38	Jatin Phukon	Rig Man
39	Purbajyoti Konwar	Rig Man

40	Pranjal Hazarika	Rig Man
41	Tilok Chetia	Rig Man
42	Achyut Baruah	Rig Man
43	Arabinda Borah	Rig Man
44	Jibanta Gogoi	Rig Man
45	Rakesh Dutta	Rig Man
46	Utpal Kalita	Rig Man
47	Bitul Gogoi	Rig Man
48	Hirokhyoti Moran	Rig Man
49	Partha Protim Bharali	Rig Man
50	Bhushan Gogoi	Rig Man
51	Ranjan Changmai	Rig Man
52	Diganta Gogoi	Rig Man
53	Niren Tanti	Rig Man
54	Biplob Tairai	Rig Man
55	Manab Jyoti Phukon	Rig Man
56	Rohan Baruah	Rig Man
57	Anurup Kakoty	Rig Man
58	Rantu Ranjan Khanikar	Rig Man
59	Tapan Gogoi	Mech. ICE
60	Umesh Mohan	Mech. ICE
61	Debajit Kakoty	Mech. ICE
62	Jayanta Das	Mech. ICE
63	Dimpal Saikia	Mech. Pump
64	Pabitra Gogoi	Mech. Pump
65	Pranjal Dutta	Mech. Pump
66	Paragjyoti Konwar	Mech. Pump
67	Manash Jyoti Bordoloi	Mech. Asst.
68	Biswajit Borah	Mech. Asst.
69	Neelkamal Borah	Mech. Asst.
70	Priyamjoti Borah	Mech. Asst.
71	Robin Borah	Pump Asst.
72	Ritul Dutta	Pump Asst.
73	Abhijit Bora	Pump Asst.
74	Abhijit Changmai	Pump Asst.
75	Pradip Borah	Welder
76	Parash Jyoti Dutta	Welder
77	Abhiji Sonowal	Electrician
78	Indrajeet Gogoi	Electrician
79	Susanta Bhuyan	Electrician

80	Jay KR. saikia	Electrician
81	Nitumoni Dutta	Electrical Asst.
82	Rahul Kakoty	Electrical Asst.
83	Partha Protim Neog	Electrical Asst.
84	Bhupen Dowarah	Electrical Asst.
85	Jyotim Gogoi	Gas Logger.
86	Kalpajyoti Gogoi	Gas Logger.
87	Priyabrat Kashyop	Gas Logger.
88	Pabitra Khanikar	Gas Logger.

*Pranab Kumar Boruah
Medic*

Annexure-4

Occupational Health Surveillance records of workers (IME & PME) engaged at the drill site:-

This is to certify that enclosed the IME report (FORM O) of the following employees of M/S Marcantile Associates drilling section are physically and mentally fit to join work effectively.

SI No	Name	Designation
1	Nabin Borah	Rig Manager
2	Biswanath Gogoi	Rig Manager
3	Debananda Tamuly	Tool Pusher
4	Diganta Gogoi	Tool Pusher
5	Mridul Gogoi	NTP
6	Naba R. Sonowal	NTP
7	Pankaj Hazarika	Mech. Engg.
8	Pradip Buragohain	Mech. Engg.
9	Bibhuti Ch. Saikia	Elect. Engg.
10	Anuj Kr. Borkakoty	Elect. Engg.
11	Ankur Gogoi	Mud Engg.
12	Siddhartha Konwar	Mud Engg.
13	Manash Borkotoky	Mud Engg.
14	Anupam Gogoi	Mud Engg.
15	Pranab Kr. Borah	Medic
16	Sanjib Baruah	Medic
17	Anirban Buragohain	HSE
18	Pallabjyoti Gogoi	HSE
19	Prabin Borah	Driller
20	Gokul Patra	Driller
21	Mintu Borah	Driller
22	Biswajit Gogoi	Driller
23	Subham Saikia	Asst. Driller
24	Biraj Gogoi	Asst. Driller
25	Achyut Kalita	Asst. Driller
26	Ranjit Phukon	Asst. Driller
27	Dharani Hazarika	Top Man
28	Debabrat Konwar	Top Man
29	Rupam Gogoi	Top Man
30	Bipul Saikia	Top Man
31	Tulon Khanikar	Top Man
32	Putul Das	Top Man
33	Sankar Saikia	Top Man
34	Bipul Khanikar	Top Man
35	Hemanta Konwar	Rig Man
36	Pushpa Deori	Rig Man
37	Kushal Patar	Rig Man
38	Jatin Phukon	Rig Man
39	Purbajyoti Konwar	Rig Man

40	Pranjal Hazarika	Rig Man
41	Tilok Chetia	Rig Man
42	Achyut Baruah	Rig Man
43	Arabinda Borah	Rig Man
44	Jibanta Gogoi	Rig Man
45	Rakesh Dutta	Rig Man
46	Utpal Kalita	Rig Man
47	Bitul Gogoi	Rig Man
48	Hirokhyoti Moran	Rig Man
49	Partha Protim Bharali	Rig Man
50	Bhushan Gogoi	Rig Man
51	Ranjan Changmai	Rig Man
52	Diganta Gogoi	Rig Man
53	Niren Tanti	Rig Man
54	Biplob Tairai	Rig Man
55	Manab Jyoti Phukon	Rig Man
56	Rohan Baruah	Rig Man
57	Anurup Kakoty	Rig Man
58	Rantu Ranjan Khanikar	Rig Man
59	Tapan Gogoi	Mech. ICE
60	Umesh Mohan	Mech. ICE
61	Debajit Kakoty	Mech. ICE
62	Jayanta Das	Mech. ICE
63	Dimpal Saikia	Mech. Pump
64	Pabitra Gogoi	Mech. Pump
65	Pranjal Dutta	Mech. Pump
66	Paragiyoti Konwar	Mech. Pump
67	Manash Jyoti Bordoloi	Mech. Asst.
68	Biswajit Borah	Mech. Asst.
69	Neelkamal Borah	Mech. Asst.
70	Priyamjoti Borah	Mech. Asst.
71	Robin Borah	Pump Asst.
72	Ritul Dutta	Pump Asst.
73	Abhijit Bora	Pump Asst.
74	Abhijit Changmai	Pump Asst.
75	Pradip Borah	Welder
76	Parash Jyoti Dutta	Welder
77	Abhiji Sonowal	Electrician
78	Indrajeet Gogoi	Electrician
79	Susanta Bhuyan	Electrician

80	Jay KR. saikia	Electrician
81	Nitumoni Dutta	Electrical Asst.
82	Rahul Kakoty	Electrical Asst.
83	Partha Protim Neog	Electrical Asst.
84	Bhupen Dowarah	Electrical Asst.
85	Jyotim Gogoi	Gas Logger.
86	Kalpajyoti Gogoi	Gas Logger.
87	Priyabrat Kashyop	Gas Logger.
88	Pabitra Khanikar	Gas Logger.

Pranab Kumar Boruah
medic



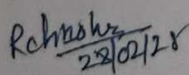
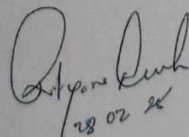
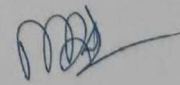
CSIR-NORTHEAST INSTITUTE OF SCIENCE & TECHNOLOGY
JORHAT - 785 006, ASSAM



Name of the Division/Group: Material Sciences Group	Report No.: CSIR NEIST- Jorhat/ QSP/ MR/ TR/MSGP/215/02-2025	
TEST REPORT OF: Oil India Limited Duliajan 786 602 Dist: Dibrugarh, Assam	DATE 28 02 2025	PAGE 3 of 4

2. RESULT

Serial no.	Details about drill cutting samples			Oil content (%)	Reference	Method
	Date of collection	Source	Location			
12	14.11.2024	MGK	Lakwagaon Area	0.2299	Schedule 2 of hazardous Waste (Management and Handling Rules, 1989	EPA method No. 1662

TEST CONDUCTED BY	CHECKED BY	APPROVED BY
 Name: Mr. Ramesh Ch. Bohra Designation : Senior Technical Officer	 Dr. Rituparna Duarah Scientist Material Sciences group	 Dr. Manash Ranjan Das Approved Authorized Signatory (Chairman, Testing Report Committee)



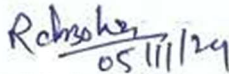


CSIR-NORTHEAST INSTITUTE OF SCIENCE & TECHNOLOGY
JORHAT – 785 006, ASSAM



Name of the Division/Group: Polymer & Petroleum Group		Report No.: CSIR NEIST- Jorhat/ QSP/ MR/ TR/PPGP/214/11-2024	
TEST REPORT OF: Oil India Limited Duliajan 786 602 Dist: Dibrugarh, Assam		DATE 05 11 2024	PAGE 3 of 4

2. **RESULT**

Serial no.	Details about drill cutting samples			Oil content (%)	Reference	Method
	Date of collection	Source	Location			
4	15.06.2024	MGL	Lakwa goan Area	0.0106	Schedule 2 of hazardous Waste (Management and Handling Rules, 1989	EPA method No. 1662

TEST CONDUCTED BY	CHECKED BY	APPROVED BY
 Name: Mr. Ramesh Ch. Bohra Designation : Senior Technical Officer	 Dr. Rituparna Duarah Scientist Polymer and petroleum group	 Dr. Manash Ranjan Das Approved Authorized Signatory (Chairman, Testing Report Committee)



CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY
JORHAT - 785 006, ASSAM

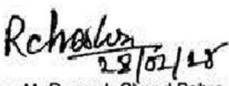
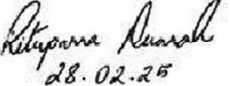
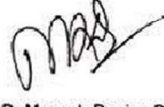
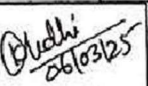


Name of the Division/Group : Material Sciences Group	Report No.: CSIR NEIST- Jorhat/ QSP/ MR/ TR/MSGP/215/02-2025	
TEST REPORT OF: Oil India Limited Duliajan 786 602 Dist: Dibrugarh, Assam	DATE 28 02 2025	PAGE 1 of 4

CONTENTS

INDEX

- | | |
|-----------------|---|
| 1. SCOPE | 2 |
| 2. TEST RESULTS | 3 |
| 3. CONCLUSION | 4 |

TEST CONDUCTED BY	CHECKED BY	APPROVED BY
 Name: Mr Ramesh Chand Bohra Designation : Senior Technical Officer	 28.02.25 Dr. Rituparna Duarah Scientist Material Sciences group	 Dr Manash Ranjan Das Approved Authorized Signatory (Chairman, Testing Report Committee)
Released By Signature & Date  26/03/25		



CSIR-NORTHEAST INSTITUTE OF SCIENCE & TECHNOLOGY
JORHAT - 785 006, ASSAM

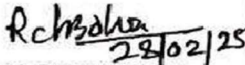
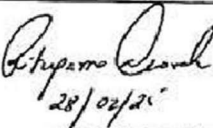



Name of the Division/Group : Material Sciences Group	Report No.: CSIR NEIST- Jorhat/ QSP/ MR/ TR/MSGP/215/02-2025	
TEST REPORT OF: Oil India Limited Duliajan 786 602 Dist: Dibrugarh, Assam	DATE 28 02 2025	PAGE 2 of 4

1	SCOPE	Oil Content Analysis of 16 no's Drill Cutting Samples
1.1	Service/Job Register No. & Date of Receipt:	A) Reference No. Oil/CONT/LOA/O/73/2023-24, dated: 04.07.2023 from Chief Manager Contracts (Operation), Oil India Limited, Duliajan 786602, Dist: Dibrugarh, Assam B) Reference No. Chem:04/10(h)/KKD/2024 dated 27.11.2024 from: Oil India Limited, Duliajan 786 602, Dist: Dibrugarh, Assam B) Reference No. 737/165 dated 28.11.2024 of RPBD division
1.2	Requested by: (Name & Address of the Agency/ Client)	Krishna Kanta Das, GM-CHEMICAL (HoD) Oil India Limited, Duliajan 786 602 Dist: Dibrugarh, Assam
1.3	Description of the Test:	Oil Content Analysis
1.4	Sample Identification:	Sample details are embodied in the test report
1.5	Environmental Conditions:	Temperature: 20-24°C Humidity: at NTP
1.6.1	Test Method:	IS/ASTM/IP specifications
1.6.2	Reference Standard & Year of Publication:	Schedule 2 of Hazardous Waste (Management and Handling) Rules, 1989
1.6.3	Any other Standard:	-
1.6.4	Any other Method:	-
1.7		

Equipment Used	Basic accuracy
Equipment Name: Standard glassware. Make : Reputed company Model : As per IP/ASTM/IS Calibration Due on : Calibrated before using Traceable to	

1.8 Location of Test : CSIR-NEIST, Jorhat

TEST CONDUCTED BY	CHECKED BY	APPROVED BY
 Name: Mr Ramesh Chand Bohra Designation : Senior Technical Officer	 Dr. Rituparna Duarah Scientist Material Sciences group	 Dr Manash Ranjan Das Approved Authorized Signatory (Chairman, Testing Report Committee)



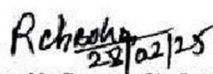


CSIR-NORTHEAST INSTITUTE OF SCIENCE & TECHNOLOGY
JORHAT - 785 006, ASSAM



Name of the Division/Group: Material Sciences Group	Report No.: CSIR NEIST- Jorhat/ QSP/ MR/ TR/MSGP/215/02-2025	
TEST REPORT OF: Oil India Limited Dullajan 786 602 Dist: Dibrugarh, Assam	DATE	PAGE
	28 02 2025	3 of 4

2. **RESULT**

Serial no.	Details about drill cutting samples			Oil content (%)	Reference	Method
	Date of collection	Source	Location			
1	16.11.2024	MHB	Lakwagaon Area	0.5498	Schedule 2 of hazardous Waste (Management and Handling Rules, 1989	EPA method No. 1662

TEST CONDUCTED BY	CHECKED BY	APPROVED BY
 Name: Mr. Ramesh Ch. Bohra Designation : Senior Technical Officer	 Dr. Rituparna Duarah Scientist Material Sciences group	 Dr. Manash Ranjan Das Approved Authorized Signatory (Chairman, Testing Report Committee)

KKHSOU foundation day on Dec 11

GUWAHATI, Dec 9: Krishna Kanta Handiqui State Open University is taking steps to observe its 17th foundation day on December 11 in a grand manner, a press release stated.

The University has decided to celebrate its foundation day at its city office located at Khanapara in the presence of Prof Nageshwar Rao, Vice-Chancellor, Indira Gandhi National Open University as the chief guest and Dr Ranaj Pegu, Minister of Education, Government of Assam as the distinguished guest. Prof Debabrata Das, Vice-Chancellor, Assam Rajiv Gandhi University of Cooperative Management will deliver the special foundation day lecture on 'Open and Distance Learning in India's Northeast: Prospects and Challenges.'

A brief of the foundation day would be provided by Dr Arupjyoti Choudhury, Registrar of the University. The Vice-Chancellor of KKHSOU, Prof RP Das would preside over the celebration.

Dr Amitabh Chowdhury Memorial Lecture

CITY CORRESPONDENT

GUWAHATI, Dec 9: The Dr Amitabh Chowdhury Memorial Trust is organising the 19th Dr Amitabh Chowdhury Annual Memorial Lecture on the topic 'The city and its dwellers: Guwahati down the ages' at the Kalaguru Bishnu Prasad Rabha auditorium, Cotton University, Panbazar here at 5 pm on December 19.

Noted academic and writer Professor Ranjit Kumar Dev Goswami will deliver the annual lecture.

OBITUARY

Students finally appear

MAMATA MISHRA

GUWAHATI, Dec 9: This batch had missed their HSLC examination due to Covid-19 and was evaluated based on previous records. Their HS first year examination was also postponed twice due to floods and eventually all had to be promoted on the basis of internal assessment. This batch of 3.71 lakh students will finally appear for a full-fledged examination after a wait of three long years when they will write their HS final examination early next year.

Being the strongest batch ever under the Assam Higher Secondary Education Council (AHSEC), the Coun-



Asom Chatra Andolan, a book by Hrishikesh Goswami, journalist Hari...

NFR official granted pro

STAFF REPORTER

GUWAHATI, Dec 9: Kupon C... NF Railway official who has been... murder of an Army man while... from Bareilly to New Delhi, was... anticipatory bail by the Gauhati...

A case has been registered with... Bareilly Junction, Uttar Pradesh... been alleged that Boro, a TTE G... Commercial department under...

Young woman found dead

GUWAHATI, Dec 9: The body of a 26-year-old woman, Jeuti Begum, was recovered in a mysterious condition from a rented house in Ganesh Nagar in Chandmari area today. She was a resident of Kamalpur in Kamrup district and had been staying at the house for the last five months. A police source said that there was no mark of external injury on the body. The body was sent for post mortem immediately, he said. - City Correspondent



Indian Institute of Technology Guwahati
Guwahati-781039, Assam
Office of Industrial Interactions and Special Initiatives

Call for the project position Assistant Project Engineer purely on contractual basis in the Project No: CC-ISP-IITG-TO-101 for 11 months in the Centre for Computer and Communication, IIT Guwahati. For detailed advertisements may please visit https://www.iitg.ac.in/iitg_recruitment
Advt. No: IITG/II&SI/Project Staff Rectt-2022/27 Asstt. Registrar (II&SI)



OFFICE OF THE REGISTRAR
GAUHATI UNIVERSITY :: GUWAHATI- 14

NOTIFICATION

(Cancellation of Advertisement No. EEC/GU/02/2021, dated 26.02.2021)
It is for information of all concerned that the advertisement vide Ref. No. EEC/GU/02/2021, dated 26.02.2021 for recruitment of 1837 nos. of Grade III and Grade IV vacant posts of Agriculture Department is hereby cancelled on the basis of relevant request letter to the effect received from Joint Secretary to the Govt. of Assam, Agriculture Department.

This is issued as per approval of the Honourable Vice Chancellor, G.U.
Sd/- Registrar, Gauhati University



JAWAHARLAL NEHRU MEMORIAL FUND
TEEN MURTI HOUSE, NEW DELHI - 110011

JAWAHARLAL NEHRU SCHOLARSHIPS FOR DOCTORAL STUDIES

Jawaharlal Nehru Memorial Fund, Teen Murti House, New Delhi - 110011 offers 18 scholarships (UR-6/SC-3/ST-1/OBC-5/EWS-2/PwD-1) for Ph.D. studies in India to Indian Nationals and 2 scholarships to Nationals of other Asian countries from April 2023 for up to 2 years. The subjects covered are Indian History & Civilization, Sociology, Comparative Studies in Religion & Culture, Economics and Ecology & Environment. Application forms can be downloaded from our website or obtained from the JNMF office. Duly filled in forms should reach the JNMF office latest by 15 January 2023. Further details such as stipend and other terms and conditions will be available in the Information Sheet in our website: www.jnmf.in; Email: jnmf1964@gmail.com

Administrative Secretary



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)



P.O. Duliagan - 786 602, Assam, India; CIN : L11011AS1959GOI001148

The Ministry of Environment, Forest and Climate Change (MoEF&CC) has accorded Environmental Clearance for Onshore Oil & Gas development drilling and production against the proposal No. IA/AS/IND2/226998/2017.

The copy of Environmental Clearance, F.No. J-11011/156/2017-IA II (I) dated 28.11.2022 is available for reference with Pollution Control Board Assam (PCBA) and may also be seen at the website of MoEF&CC at <https://parivesh.nic.in/>.

The Ministry of Environment, Forest and Climate Change (MoEF&CC), GOI has accorded Environmental Clearance for the said project under the provisions of EIA Notification, 2006.

Nodal Officer EC/FC/NBWL, Oil India Limited.

হে শহীদ প্রণামো তোমাক

संदर्भ सं./Ref. No.: S&E/E/21(B)/1013

दिनांक/Date: 24.09.2024

From	:	ED (HSE & ESG) I/C
To	:	The Member Secretary, Pollution Control Board, Assam, Bamunimaidam, Guwahati- 781021.
Subject	:	Submission of Environmental Statement (Form-V) under Environment (Protection) Rules, 1986.

Sir,

With reference to the above subject, we are submitting herewith the Environmental Statement (Form-V) for the financial year ending 31st March, 2024 pertaining to the operations of Oil India Limited in the districts of Dibrugarh, Tinsukia, Sivsagar and Charaideo in Assam.

Thanking you.



24/09/24

(Rupam Jyoti Sutrdhar)
ED (HSE & ESG) I/C
For Resident Chief Executive

Encl: As above.

- Copy:**
1. Regional Executive Engineer,
Pollution Control Board Assam,
Back Side of ASTC Bus Station,
Chowkidinghee, Dibrugarh,
PIN: 786001.
 2. Executive Engineer,
Regional Laboratory cum Office,
Pollution Control Board Assam,
Melachakar, Sibsagar,
PIN: 785640.

FORM – V
(See Rule 14)
ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE
31st MARCH, 2024

PART – A

(i) **Name and address of the owner/occupier of the industry operation or process.**

OIL INDIA LIMITED
P.O. DULIAJAN
DIST. DIBRUGARH
ASSAM -786602.

Note: Environmental Statement (Form – V) is pertaining to the operations of Oil India Limited in the districts of Dibrugarh, Tinsukia, Sivasagar and Charaideo in Assam.

(ii) **Industry category:** Red - Oil and gas extraction (on-shore extraction through drilling wells)

(iii) **Production capacity – Units**

OIL's production target is fixed as per the Memorandum of Understanding (MoU) with Ministry of Petroleum and Natural Gas, Govt. of India, which varies from year to year.

Production details during F.Y. 2023-24:

- **Crude Oil:** 3.2864 MMT.
- **Natural Gas:** 2885.016 MMSCM
- **LPG:** 31,550 MT.

(iv) **Year of establishment:**

OIL INDIA LTD. was formed in 1961 as a joint venture with M/S. Burma Oil Company, UK and on 14th Oct. 1981, OIL became a fully owned Govt. of India Enterprise.

(v) **Date of last Environmental Statement submitted:** 20.09.2023.

PART – B
WATER AND RAW MATERIAL CONSUMPTION

(I) Water consumption m³/d:

S.No	Purpose	Water Consumption (m ³ / day)
1.	Process & Cooling	14495.34
2.	Domestic	15956.26
TOTAL		30451.60

Name of Products	Process water consumption per unit of product output	
	During F.Y. 2022-23	During F.Y. 2023-24
(1)	(2)	(3)
Hydrocarbon (Crude Oil, Natural Gas, LPG)	1 m ³ /MT (Approx.)	0.96 m ³ /MT (Approx.)

(II) Raw material consumption

*Name of raw materials	Name of products	Consumption of raw material per unit	
		During F.Y. 2022-23	During F.Y. 2023-24
No raw materials are used as Oil India Limited is engaged in Exploratory and Development drilling activities & production of Crude Oil and Natural Gas. However, chemicals such as Bentonite are used for preparation of Water based drilling mud.			

PART - C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants Discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NIL. There is no discharge of pollutants from drilling locations and Production Installations. <ul style="list-style-type: none"> Wastewater generated from drilling locations is treated in Effluent Treatment Plant (ETP) and reused back in the drilling operation. The formation water generated after separation from crude oil and 	<ul style="list-style-type: none"> Quality of ETP treated water from the drilling locations is analyzed frequently. (Test report is enclosed as Annexure - I). Quality of Formation water is analyzed frequently (Test report enclosed as Annexure- 	No variation is observed. All parameters of treated effluent and Formation water are within the permissible limits.

	treatment is pumped back to the underground formation (depth greater than 1600 m) through formation water disposal wells.	II)	
(b) Air	No major air pollutants are emitted from Oil & Gas exploratory and development drilling and production activities except Stack Gas emissions at drilling locations and Production Installations & Flaring at Oil Collecting Stations.	Stack Gas and Ambient Air Quality (AAQ) monitoring is carried out frequently at drilling locations and Production Installations (Test report enclosed as Annexure- III)	No variation is observed. All parameters of Stack Gas emissions and Ambient Air are within the permissible limits.

PART - D
HAZARDOUS WASTES

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Hazardous Wastes	Category of Hazardous Waste as per Schedule - I of HW Rules, 2016	Total Quantity generated	
		During F.Y. 2022-23	During F.Y. 2023-24
a) From process	S.No. 2.2 Sludge containing Oil	4671.52 MT	3541.99 MT
	S.No. 5.1 Used or Spent Oil	208 KL	55 KL
	S.No. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	26616 Nos.	11150 Nos.
	S.No. 33.2 Contaminated cotton rags or other cleaning materials	6.19 MT	5.58 MT
b) From pollution control facilities	S.No. 33.5 Chemical sludge from waste water treatment	120.84 KL	98.44 KL

PART - E
SOLID WASTES

Solid Wastes	Total Quantity	
	During F.Y. 2022-23	During F.Y. 2023-24
(a) From process		
Drill Cuttings	27,000 m ³ (Approx.)	15,200 m ³ (Approx.)
(b) From pollution control facilities	NIL	
(c)		
(1) Quantity recycled or re-utilized within the unit.	N/A	
(2) Sold	N/A	
(3) Disposed	N/A	

PART - F

PLEASE SPECIFY THE CHARACTERIZATION (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.

(I) Hazardous Wastes:

Name of the Hazardous Waste	Quantity generated during F.Y. 2023-24	Disposal Practices
a) Sludge containing Oil	3541.99 MT	Sent to Sludge Processing Plant for oil recovery followed by Bioremediation
b) Used or Spent Oil	55 KL	Stored in barrels under covered shed and sold to authorized recyclers through auction
c) Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	11150 Nos.	Sold to authorized recyclers through auction
d) Contaminated cotton rags or other cleaning materials	5.58 MT	Bioremediation
e) Chemical sludge from waste water treatment	98.44 KL	Disposed in HDPE lined pits

(I) Solid Wastes:

Name of the Solid Waste	Quantity generated during F.Y. 2023-24	Disposal Practices
a) Drill Cuttings	15,200 m ³ (Approx.)	Disposed in HDPE lined pits

PART – G**IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION**

- Acoustic enclosures have been provided around all gensets to reduce noise levels.
- Recovery of drilling mud from drill cuttings by using a combination of Vertical Cutting Dryer (VCD) and a high-performance centrifuge.
- Wastewater generated from drilling locations is collected in HDPE lined pits, treated in Effluent Treatment Plant (ETP) with Reverse Osmosis unit and the treated effluent is reused back in the drilling operation.
- Formation water generated from Production Installations is treated in Effluent Treatment Plant (ETP) before disposal in the abandoned/ water disposal wells.
- Processing of oily sludge for recovery of Crude oil and further treatment of sludge through Bioremediation.
- Construction of central concrete pit for disposal of waste mud.
- Treatment of Biomedical waste through incinerator.
- Plantation of 50,000 saplings was carried out at 8 nos. of abandoned OIL well sites.

PART – H**Additional measures/investment proposal for environmental protection, abatement of pollution, prevention of pollution.**

- MoU with District Administration, Tinsukia for treating the legacy waste of Tinsukia Municipality through the process of Biomining.
- Proposal for construction of Community Sewage Treatment Plant (STP) at Duliajan.
- MoU with Digboi Forest division, Assam for carrying out afforestation in 100 Ha of degraded forest area.
- MoU with IIT Guwahati to study the feasibility of using treated drill cutting as a building material.

PART – I**ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.**

Government of India
Ministry of Jal Shakti
Department of Water Resources, River Development & Ganga Rejuvenation
Central Ground Water Authority

PUBLIC NOTICE No. 11/2023New Delhi, Dated 1st August, 2023

(In supersession of the Public Notice no. 06/2023 dated 11.05.2023 regarding
“Exemption to obtain NOC for ground water well drilling used for scientific study by
Government Organisation/Institute”)

Sub: Exemption to obtain NOC for ground water well drilling used for scientific study by Government Organisation/Institute – reg.

Whereas the Central Government constituted the Central Ground Water Authority (hereinafter referred to as the Authority) vide notification Number S.O. 38(E), dated 14th January, 1997, followed by notification number S.O. 1124(E) dated 6th November, 2000 and S.O. 1121 (E) dated 13th May, 2010 of the Government of India in the Ministry of Environment & Forests, for the purposes of regulation and control of ground water development and management in the whole of India and to issue necessary regulatory directions.

And whereas, the Ministry of Jal Shakti has issued ‘Guidelines to control and regulate ground water extraction in India’ vide notification number S.O. 3289(E) dated 24th September, 2020, notified by Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti.

And whereas an Amendment Notification dated 29.03.2023 has been further issued by Ministry of Jal Shakti, published in the Gazette of India, Extraordinary, Part II, section 3, sub-section (ii), vide Notification number S.O. 1509 (E).

This is to bring to the notice that:-

- Government organizations/Institutes dealing in ground water well drilling, such as drilling of Exploratory well, Piezometer, Observation Well, Pilot well etc. for scientific studies and exploration activities, **and such PSUs like ONGC, Oil India Ltd. etc. involved in research and exploration activities requiring site-specific temporary borewells**, shall remain exempted from seeking of No Objection Certificate for Ground Water extraction for the period of scientific studies, from Central Ground Water Authority.
- However, such Government organizations/Institutes shall be required to submit details of the drilling to the concerned Regional Office of CGWB.
- In case, another agency uses the well for ground water extraction, after the completion of scientific studies and exploration activities, the same shall be required to obtain No Objection Certificate from CGWA as per the due process.

Member Secretary
CGWA