

Ref.No. RF/HSE/E-7/208/2024

Date: 29.10.2024

Joint Director,
Sub Regional Office,
Ministry of Environment, Forest and Climate Change,
Government of India
A-209 & 218, Aranya Bhawan,
Jhalana Institutional Area,
Jaipur 302004

Sub: Six monthly compliance report for Exploratory Drilling of onshore oil and gas exploration, OLAP Blocks District Bikaner, Shri Ganganagar & Jaisalmer Rajasthan by M/s Oil India limited - Environmental Clearance reg.

**Ref: F. No-F1 (4) /SEIAA / SEAC-Raj / Sectt / Project/Cat.1 (b) B2
(19502)/2019-2 Dated 23.07.2021**

With reference to above, please find enclosed herewith the six monthly compliance report of environmental clearance (**Exploratory Drilling of onshore oil and gas exploration**) for the period **31.03.2024 to 30.09.2024** in the prescribed format.

2.0 Hope the above is in order, please.

Thanking you.

Yours Faithfully,
OIL INDIA LIMITED



(Siddharth Singh)
Chief Engineer (FS)
For General Manager (ES & HSE)
For Executive Director (RF)

Enclosed: as above

Copy: Member Secretary, RSPCB(Jaipur)(Rajasthan)

Regional Officer, Bikaner (Rajasthan)

Zonal Officer (Bhopal), Central Pollution Control Board

Six Monthly Compliance report of Environmental Clearance for exploratory Drilling of onshore oil and gas exploration in State of Rajasthan

**EC letter no. F.No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.1(b)B2(19502)/ 2019-20
Dated 23.07.2021**

Period of compliance: From 31.03.2024 to 30.09.2024

I. Statutory compliance:

S.NO.	EC Conditions	Compliance Status
i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable
ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable
iii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).	Not Applicable
iv)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.	Complied. CTE & CTO attached respectively Enclosed as Annexure I.
v)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	We are engaged in drilling with water based mud (WBM) which is eco-friendly in nature & non-hazardous and it is recycled during entire operation. Hence, Hazardous waste Authorisation is not required for drilling.
vi)	The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, as applicable.	Not Applicable

II. Air quality monitoring and preservation:

i)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.	Complied. The ambient air quality of the nearby area is regularly monitored as per NAAQ emission standards. However, no drilling activities carried out during the compliance period.
ii)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content	Not Applicable

	should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	
iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Noted & Complied. The locations of ambient air quality monitoring stations decided in consultation with the State Pollution Control Board (SPCB).
iv)	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC etc.	Complied. Ambient air quality of the nearby area is regularly monitored as per NAAQ emission standards. However, no drilling activities carried out during the compliance period.
v)	During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.	Not Applicable.
vi)	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling	Not Applicable.
vii)	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Hard standing of approach road is done with morrum to minimize generation of suspended dust.

III. Water quality monitoring and preservation

i)	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit.	We are engaged in drilling with water based mud (WBM) which is eco-friendly in nature & non-hazardous and it is recycled during entire operation phase and Domestic sewage is disposed off through septic tank/soak pit.
ii)	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	Noted & compiled.
iii)	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard	Compiled. Ensured that Total fresh water requirement does not exceed as per proposed quantity or as specified by the Committee.
iv)	The company shall construct the garland drain all around the drilling site 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. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards	Complied. Garland drains are constructed all around the drilling site. Wastewater was collected in effluent pit and being treated in ETP to conform to CPCB standards.
v)	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/drill cutting shall be discharged/disposed off into nearby surface water	Noted & complied. Only Water Base Mud was(non-toxic/non-hazards) used during drilling and the drill cuttings were separated out on an impervious 300 gsm

	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.	thick HDPE lined effluent pit with secured fencing at site as per GSR.546(E) dated 30th August, 2005. TSDF membership obtained. (Ref No. REEL/BWMP/BLTR/2011-12/006.) Enclosed as Annexure II However, no drilling activities carried out during the compliance period.
--	--	--

IV. Noise monitoring and prevention

i)	The company 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	Noted & complied.
ii)	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.	Complied.
iii)	The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. All the high noise generating equipment's are provided with acoustic enclosures, silencers etc. Earplugs/Earmuffs were used by workers during drilling operation. However, no drilling activities carried out during the compliance period.

V. Energy Conservation measures

i)	The energy sources for lighting purposes shall preferably be LED based.	Noted & complied.
----	---	-------------------

VI. Waste management

i)	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.	No oily sludge was generated as the mud used was Water Based. However, amount of used lube oil collected from Generator Set and Prime Movers sent to authorised recycler "Sahu Industries", Jaipur, Rajasthan for re-refining and recycling of hazardous waste. In case of Oil spillage/ contamination, action plan, Roles and responsibilities, Important telephone nos., etc. are provided in the Emergency response plan.
ii)	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.	Noted. Only Water Based Mud (WBM) was used in the wells and recycled during entire operation. No synthetic Oil Base Mud was used.

VII. Safety, Public hearing and Human health issues

i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted for compliance.
ii)	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc	Noted & complied. Blow out preventer (BOP) system was installed to prevent well blowouts during drilling operations.
iii)	Company 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. Company has its own Safe Operating Procedure(SOP) manual for all its activities. Blow Out Prevention Manual Emergency Response Plan including well control Manual have been prepared and kept at each drill site during operation. Awareness training on health safety and environment are conducted on regular basis for all staffs.
iv)	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	Noted for compliance.
v)	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	Noted for compliance.
vi)	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	Drill sites declared as no smoking zone. Fire water storage facilities, Fire engines, Fire Hydrant line, Fire hoses, Portable Fire extinguishers etc. provided at site to take care of any fire incident. Garland drain constructed all around drilling site to prevent runoff of any oil containing waste into nearby water bodies.
vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted for compliance. Additionally, MSDS is made available in English as well as local language at site in order to apprise the chemical workers to handle hazardous chemical safety. Initial Medical Examination & Periodical Medical Examination are being conducted as per standards.
viii)	The company 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	Noted for compliance. OIL never encountered H2S while drilling. However, gas monitoring systems/ detectors with self-contained breathing apparatus sets will be made available during drilling operation. First aid facility with Doctor & ambulance service will also be made available at site round the clock.
ix)	Provision shall be made for the housing of construction	Noted & complied.

	labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	
x)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Complied.
xi)	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.	Normally in Hydrocarbon-Exploration Business the subsidence study is not required, like open cast mine. Hydrocarbon is produced from @1180m-1200m depth from hydrocarbon bearing zones of average thickness 15m – 20m. The oil produced is being fully replenished by the formation water. This replenishment along with the strength of the reservoir matrix should not allow any compaction by the overburden and thus reduces the chances of subsidence.

VIII. Corporate Environment Responsibility


i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted for compliance.
ii)	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms /conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholder's / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report	Noted & complied.
iii)	A separate Environmental Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Company has Environment Management Cell under HSE department at FHQ, Duliajan.
iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Noted for Compliance.
v)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted for compliance.

IX. Miscellaneous

i)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied. Details of Environmental Clearance were published in local newspaper.
ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. Status of compliance of the environment clearance conditions, including results of monitored data is been regularly updated on our website.
iv)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied.
v)	The project proponent shall submit the environmental statement for each financial year in Form V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied. Environmental statement for financial year 2023-2024. Enclosed as Annexure III
vi)	The project proponent 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, commencing the land development work and start of production operation by the project.	Noted for compliance.
vii)	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office	01 Well was restored in the compliance period. Bikaner-01 (OBKA).
viii)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted for compliance.
ix)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted for compliance.
x)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and no further expansion or modifications will be carried out without any prior approval.
xi)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
xii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted and all conditions will be executed with satisfactory terms.
xiii)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and any additional conditions conveyed will be fulfilled.
xiv)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite	Noted for compliance.

	data / information/monitoring reports.	
xv)	The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter	Noted.
xvi)	Any appeal against this EC 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.	Noted.

Date: 28/10/2024


 (Ashok Borgohain)
 General Manager (Drilling)
 Mines manager, Drilling Mine (RF)

खान प्रबंधक / Mine Manager
 वेधन खान / Drilling Mine
 ऑयल इंडिया लि. जोधपुर / Oil India Ltd. Jodhpur
 राजस्थान क्षेत्र / Rajasthan Field

Annexure-I

Head Office (HDF)



Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302

Phone: 0141-5159600, 0141-5159695 Fax: 0141-5159697



Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/114(1)/2021-2022/2287-2289

Order No: 2021-2022/HDF/8701

Dispatch Date: 03/09/2021

Unit Id : 75816

M/s OIL INDIA LIMITED ,Rajasthan Project

2A-DISTRICT SHOPPING CENTER, SARASWATI

NAGAR,BASNI , JODHPUR

Sub: Consent to Establish under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application(s) for Consent to Establish dated 11/06/2021 and subsequent correspondence.

Consent to Establish under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder, is hereby granted for your **Three OALP Blocks OALP RJ-ONHP- 2017-9 RJ- ONHP-2017-8 RJ-ONHP- 2018-2** plant situated / proposed at **OALP RJ-ONHP- 2017/9,RJ- ONHP-2017/8, RJ-ONHP- 2018/2 Bikaner Tehsil:Bikaner District:Bikaner , Rajasthan** under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from **11/06/2021 to 31/05/2026** or date of Commencement of production / commissioning of the project or activities whichever is earlier.
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity / Capacity
DRILLING OF EXPLORATORY WELL	Activity	15.00 WELL

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel the project proponent is required to obtain fresh consent to establish.



Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302
Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/114(1)/2021-2022/2287-2289

Order No : 2021-2022/HDF/8701

Dispatch Date: 03/09/2021

Unit Id : 75816

- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the Water Act and Air Act shall be obtained. This consent to establish shall not be treated as consent to operate.
- 5 That the quantity of effluent generation and disposal along with mode of disposal for the treated effluent shall be as under:

Type of effluent	Max. effluent generation (KLD)	Quantity of effluent to be recycled (KLD)	Quantity of treated effluent to be disposed (KLD) and mode of disposal
Domestic Sewage	4.000	NIL	4.000 Soakpit
Trade Effluent	7.000	4.000	3.000 Treated in Effluent Treatment plant and reuse in process/ plantation within premises

- 6 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

Sources of Air Emissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
DG set (3 NOS)(400KVA EACH)	ACOUSTIC ENCLOSURE, ADEQUATE STACK HEIGHT	-	--

- 7 That this consent to establish is being issued for drilling of 15 exploratory wells at locations Loc: A,B,C,D,E,F,G,H,I,J,K,L,M,N & O in Bikaner and Jaisalmer District.
- 8 That the industry shall comply with all the conditions of Environmental Clearance issued by the State Level Environment Impact Assessment Authority, Rajasthan F1(4)/SEIAA/SEAC-Raj/Sectt/project/Cat. 1(b) B2 (19502)/2019-20.



Head Office (HDF)

Rajasthan State Pollution Control Board

4, Institutional Area, Jhalana Doongari, Jaipur-302

Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/114(1)/2021-2022/2287-2289

Order No: 2021-2022/HDF/8701

Dispatch Date: 03/09/2021

Unit Id : 75816

- 9 That total water requirement for industrial, domestic, and other uses shall not exceed 35 KLD and shall be met from IGNP only after seeking permission from the concerned agency.
- 10 That the well shall be established on the land in accordance with land allotment letter and any letter issued by District Collector or any authority in future and Petroleum Exploration License granted by Government of Rajasthan and shall comply with conditions.
- 11 That the industry shall follow the guidelines for disposal of solid waste, drill cutting and drilling fluids for offshore and onshore drilling operations, notified under Environment (Protection) Act, 1986, vide Notification No. G.S.R. 546(E), dated 30/08/2005.
- 12 That the waste residual mud, drilling waste water and drill cutting water shall be collected in the lined pit for treatment and recycling. The left over water/residue shall be disposed through adequately designed and lined solar evaporation pond.
- 13 That Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak pit.
- 14 That the evaporation pond should be designed on the basis of natural evaporation rate of 5 litre/m² and depth not exceeding to 75 cm.
- 15 That suitable metering arrangement shall be provided at intake of raw water, process water consumption, effluent generation & effluent treated and daily record of the same shall be maintained.
- 16 That no waste water shall be discharged outside and inside the premises so as to maintain zero discharge status.
- 17 That the overall noise level 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 level shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- 18 That stack of adequate height and acoustic enclosure shall be provided with all the D.G. Sets.
- 19 That all fuels, lubricants and chemicals will be kept in well-designed storage facility with regular inventory checking.
- 20 That Approach road shall be made pucca to minimize generation of suspended dust.
- 21 That the recyclable Waste (oily sludge) and spent oil shall be managed through the authorized recyclers.



Head Office (HDF)

Rajasthan State Pollution Control Board

4, Institutional Area, Jhalana Doongari, Jaipur-302

Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jalsalmer(Jalsalmer)/114(1)/2021-2022/2287-2289

Order No: 2021-2022/HDF/8701

Dispatch Date: 03/09/2021

Unit Id : 75816

- 22 That no production of hydrocarbon shall be done without consent of the State Board.
- 23 That the industry shall comply with the provisions of Hazardous and other waste (Management and Transboundary movement) Rules, 2016 to manage, handle and dispose the drill cutting (Hazardous Waste).
- 24 That total capital investment(Without Depreciation) during Financial year 2021-22 as per the C.A. certificate submitted by the unit is Rs. 195 cr.
- 25 That the industry shall submit a point-wise compliance report of all the above conditions on a six-monthly basis & submit it to the board.
- 26 That, notwithstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of compliance of the Water Act and Air Act.
- 27 That the grant of this Consent to Establish is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.
- 28 That the grant of this Consent to Establish shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This Consent to Establish shall also be subject, beside the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the Water Act and Air Act and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of Consent to Establish and project proponent / occupier shall be liable for legal action under the the relevant provisions of the said Act(s).

Head Office (HDF)



Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302

Phone: 0141-5159600, 5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/114(1)/2021-2022/2287-2289

Order No: 2021-2022/HDF/8701

Dispatch Date: 03/09/2021

Unit Id : 75816

This bears the approval of the competent authority.

Yours Sincerely

Group Incharge[HDF]

(A): Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Jodhpur for information and to monitor the compliance consent conditions.
- 2 Master File.

Group Incharge[HDF]



Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697



Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

M/s OIL INDIA LIMITED ,Rajasthan Project

2A-DISTRICT SHOPPING CENTER, SARASWATI NAGAR,BASNI
, JODHPUR

Sub: Consent to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application for Consent to Operate dated 17/09/2021 and subsequent correspondence.

Signature Not Verified
Digitally signed by Faisal Jaiswal
Date: 2022.02.25 14:51:08 IST
Reason: Self Attested
Location:

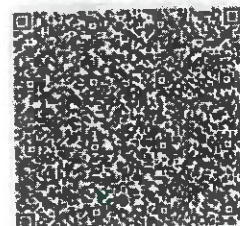
Sir,

Consent to Operate under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder is hereby granted for your Three OALP Blocks OALP RJ-ONHP- 2017-9 RJ- ONHP-2017-8 RJ-ONHP- 2018-2 plant situated at OALP RJ-ONHP- 2017/9,RJ- ONHP-2017/8, RJ-ONHP- 2018/2 Bikaner Tehsil:Bikaner District:Bikaner, Rajasthan, subject to the following conditions:-

- 1 That this Consent to Operate is valid for a period from 17/09/2021 to 31/08/2026 .
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity with Unit
DRILLING OF EXPLORATORY WELL	Activity	5.00 WELL

- 3 That this consent to operate is for existing plant, process & capacity and separate consent to establish/operate is required to be taken for any addition / modification / alteration in process or change in capacity or change in fuel.
- 4 That the quantity of effluent generation along with mode of disposal for the treated effluent shall be as under:





Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

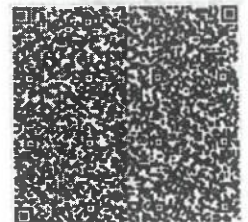
Unit Id : 75816

Type of effluent	Max. effluent generation (KLD)	Recycled Qty of Effluent (KLD)	Disposed Qty of effluent (KLD) and mode of disposal
Domestic Sewage	4.000	NIL Signature Not Verified Digitally signed by Ramesh Maheshwari Date: 2022.02.25 14:51:09 IST Reason: Self Attested Location:	4.000 Septic Tank and Soakpit
Trade Effluent	7.000	4.000	3.000 Treated in Effluent Treatment plant and reuse in process/ plantation within premises

- 5 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

Sources of Air Emissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
DG set (03 Nos.)(100KVA EACH)	ACOUSTIC ENCLOSURE , WITH ADEQUATE STACK HEIGHT	--	--

- 6 That the trade effluent shall be treated before disposal so as to conform to the standards prescribed under the Environment (Protection) Act-1986 for disposal Into Inland Surface Water . The main parameters for regular monitoring shall be as under





Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

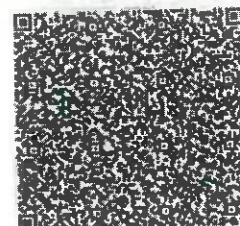
Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

Parameters	Standards
Oil and Grease	Not to exceed 10 mg/l
Mercury (As Hg)	Not to exceed 0.01 mg/l
Lead (as Pb)	Not to exceed 0.1 mg/l
Nickel (as Ni)	Not to exceed 3.0 mg/l
Cyanide (as CN)	Not to exceed 0.2 mg/l
% Sodium	Not to exceed 60 mg/l
Chromium (Hexavalent)	Not to exceed 0.1 mg/l
Fluoride (as F)	Not to exceed 1.5 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 350 mg/l
Temperature	Not to exceed 40°C
Zinc	Not to exceed 2 mg/l
Chemical Oxygen Demand	Not to exceed 100 mg/l
Sulphates	1000 mg/l
Total Dissolved Solids	Not to exceed 2100 mg/l
Phenolics	Not to exceed 1.2 mg/l
Chromium (Total)	Not to exceed 1.0 mg/l
Copper	Not to exceed 0.2 mg/l
Chlorides	Not to exceed 600 mg/l
pH Value	Between 6.5 to 9.0

- 7 That this consent to operate is being issued for drilling of 05 exploratory wells at locations Loc: A (SBA), B (SBB), C (SBC), F (OSYA), G(OSYB) in Bikaner and Jaisalmer District.





Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

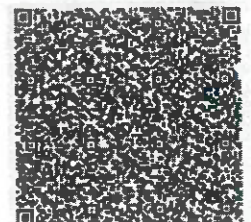
File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

Order No: 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

- 8 That the industry shall comply with all the conditions of Environmental Clearance issued by the State Level Environment Impact Assessment Authority, Rajasthan F1(4)/SEIAA/SEAC-Raj/Sectt/project/Cat. 1(b) B2 (19502)/2019-20.
- 9 That total water requirement for industrial, domestic, and other uses shall not exceed 35 KLD and shall be met from IGNP only after seeking permission from the concerned agency.
- 10 That the well shall be established ^{Signature Not Verified} ^{Date: 20220225 14:51:09 IST} ^{Reason: Self Generated} in accordance with land allotment letter and any letter issued by District Collector or any authority in future and Petroleum Exploration License granted by Government of Rajasthan and shall comply with conditions.
- 11 That the industry shall follow the guidelines for disposal of solid waste, drill cutting and drilling fluids for offshore and onshore drilling operations, notified under Environment (Protection) Act, 1986, vide Notification No. G.S.R. 546(E), dated 30/08/2005.
- 12 That the waste residual mud, drilling waste water and drill cutting water shall be collected in the lined pit for treatment and recycling. The left over water/residue shall be disposed through adequately designed and lined solar evaporation pond.
- 13 That Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak pit.
- 14 That the evaporation pond should be designed on the basis of natural evaporation rate of 5 litre/m² and depth not exceeding to 75 cm.
- 15 That suitable metering arrangement shall be provided at intake of raw water, process water consumption, effluent generation & effluent treated and daily record of the same shall be maintained.
- 16 That no waste water shall be discharged outside and inside the premises so as to maintain zero discharge status.
- 17 That the overall noise level 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 level shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- 18 That stack of adequate height and acoustic enclosure shall be provided with all the D.G. Sets.
- 19 That all fuels, lubricants and chemicals will be kept in well-designed storage facility with regular inventory checking.
- 20 That Approach road shall be made pucca to minimize generation of suspended dust.





Registered

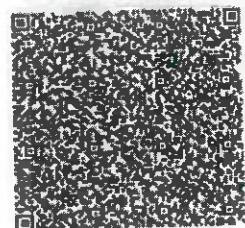
File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

- 21 That the recyclable Waste (oily sludge) and spent oil shall be managed through the authorized recyclers.
- 22 That no production of hydrocarbon shall be done without consent of the State Board.
- 23 That the industry shall comply with the provisions of Hazardous and other waste (Management and Transboundary movement) Rules, 2016 to manage, handle and dispose the drill cutting (Hazardous Waste).
- 24 That all the conditions imposed by the consent to establish order no. 2021-2022/HDF/8701 dated 03.09.2021 issued for three OALP Blocks shall be complied with by the industry.
- 25 That total capital investment(Without Depreciation) during Financial year 2021-22 as per the C.A. certificate submitted by the unit is Rs. 65 cr.
- 26 That the industry shall submit a point-wise compliance report of all the above conditions on a six-monthly basis & submit it to the board.
- 27 That in case, it is found during post inspection, the industry has flouted conditions of consent to operate or inadequate pollution control measures, the consent will be revoked and direction for closure will be issued under section 33A of the Water Act, 1974, section 31A of the Air Act, 1981 or section 5 of the Environmental (Protection) Act, 1986 without any further notice.
- 28 That, notwithstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of Air Act & Water Act.
- 29 That the grant of this Consent to Operate is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.
- 30 That the grant of this Consent to Operate shall not, in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.
- 31 That the Project Proponent shall comply with provisions of the E-waste (Management) Rules, 2016 and ensure that e-waste generated by them is channelized through collection centre or dealer of authorized producer or dismantler or recycler or through designated take back service provider of the producer to authorized dismantler or recycler.





Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

- 32 That the Project Proponent shall maintain record of e-waste generated by them in Form-2 and make such records available for scrutiny by the board.
- 33 That the Project Proponent shall file annual returns in Form-3, to the Board on or before the 30th day of June following the financial year to which that return relates
- 34 That the transportation of e-waste shall be carried out as per the manifest system whereby the transporter shall be required to prepare a document (three copies) prepared by the sender, giving the details as per Form-6.
- 35 That the Project Proponent shall comply with provisions of the Batteries (Management and Handling) Rules, 2001 (as amended) and submit half yearly returns (as bulk consumer, importer, auctioneer, recycler as the case may be) to the State Board as provided under Rule 10 (2) (ii) of the Battery (Management and Handling) Rules, 2001 (as amended). In Case the Project Proponent is not a bulk consumer even then the used batteries shall be returned to the authorized dealers or recyclers only.
- 36 That the record of batteries purchased and sold/ returned to registered dealers and/ or authorized recyclers shall be maintained and made available to the officers of the Board during inspections.

This Consent to Operate shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the Water Act and Air Act and to such other conditions as may, from time to time , be specified, by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of Consent to Operate and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

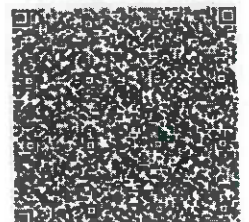
This bears the approval of the competent authority.

Yours Sincerely

Group Incharge[HDF]

(A): Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Jaisalmer Bikaner to ensure the compliance.
- 2 Master File.



Head Office (HDF)



Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697

Registered

File No : F(HDF)/Jaisalmer(Jaisalmer)/117(1)/2021-2022/6981-6983

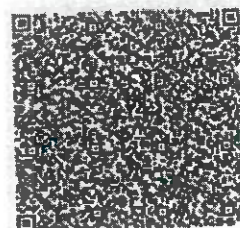
Order No : 2021-2022/HDF/8893

Date: Feb 25 2022 2:51PM

Unit Id : 75816

Group Incharge[HDF]

Signature Not Verified
Digitally signed by Rajeev Mahnot
Date: 2022.02.25 14:51:08 IST
Reason: Self Attested
Location: [Signature]





Sustainability

BALOTRA WASTE MANAGEMENT PROJECT

(A Div. Of Re Sustainability Limited)
Formerly known as Ramky Enviro Engineers Ltd.

Treatment Storage and Disposal Facility (TSDF)

Survey No. & Plot No.-1114/274/13 & 1115/274/14, Village - Kher,

Teh.-Pachpadra, Dist.-Barmer, Rajasthan - 344022

E-mail : bwmp@resustainability.com, Mob. : 9672981446

Membership Certificate For Managing Hazardous Wastes

This is certify that M/s

Oil India Limited


Oil House 2A District Shopping Center Saraswati Nagar Bani Todhaur 342005

is a member of Balotra Waste Management Project with Membership No. RESL/BWMP/2011-12

006 From 03.06.2024

and valid upto

02.06.2025


Project Head



Amended-II



Sustainability

Date 3rd June 2024

To,

M/s. OIL INDIA LIMITED

OIL House, 2A District Shopping Centre, Saraswati Nagar
Basni, Jodhpur, Rajasthan 342005

Email id: HSE_RF@oilindia.in

Kind Attention: Sh. Siddharth Singh

Sub: -TSDF Membership

Dear Sir,

We thank you for the completion of all formalities and further welcome you as member of Balotra Waste Management Project (A Division of Re Sustainability Ltd.) for utilizing our Common Hazardous Waste Treatment Storage Disposal Facility [CHW-TSDF] to dispose your Hazardous Waste safely & securely.

We will accept your wastes for safe disposal at TSDF-Balotra Waste Management Project as per the approval/authorization from RSPCB.

Your Membership No. is **RSL/BWMP/2011-2012/006.**

We seek your co-operation & assistance to help us meet our common objectives of keeping our Environment safe and secure.

We once again thank you and assure of our best services and look forward to an environment friendly relationship.

Please contact us for any further information and clarification.

Thank you.

For **RE SUSTAINABILITY LIMITED**
[Unit- Balotra Waste Management Project]

Authorized Signatory



Balotra Waste Management Project
[A Division of Re Sustainability Limited]

Site Address:

Survey No & Plot No -II14/274/13 & II15/274/14,
Village: Kher, Tehsil: Pachpadra,
Dist: Barmer - 344022, Rajasthan, India.
CIN No. U74140TG1994PLC018833

Re Sustainability Limited

(formerly known as Ramky Enviro Engineers Limited)

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City,
HITECH City Road, Hyderabad-500 081, India.
CIN No. U74140TG1994PLC018833



Certificate REG No : 44 100 20392865 (ISO 9001 : 2015)
Certificate REG No : 44 104 20392865 (ISO 14001 : 2015)
Certificate REG No : 44 126 20392865 (ISO 45001 : 2018)

T: +91 96729 81446

E: bwmp@resustainability.com
resustainability.com

Annexure-III

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 Mr. Ashok Borgohain, General Manager (Drilling) – Rajasthan Fields, Oil India Ltd. 2-A District Shopping Centre, Saraswati Nagar, Basni, Jodhpur, Rajasthan-342005
- II. Industry category Primary – (STC Code) RED
Secondary - (STC Code) Oil and Gas Exploration/Production
- III. Production capacity(Units) Chartered Hired Rig: Quippo # 4 (Diesel Mechanical Rig, HP Rating: 1000)
- IV. Year of establishment 16-12-2022 (Date of Mobilization of Rig : Quippo # 4)
- V. Date of the last environmental statement submitted 09-10-2023

PART-B
Water and Raw Material Consumption

(i) **Water consumption m³/d**

Process - 23m³/ d

Domestic: - 6m³/ d

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Drilling	2.06	0.84

*m³/METRE DRILLED

(ii) Raw material consumption

Name of raw materials	Name of products	Name of raw material	Consumption of raw material per Unit of output	
			During the previous financial year	During the current financial year
Chartered Hired Rig (Quippo Rig # 4)	Drilling of wells for oil and gas (Output is Meter drilled during the FY)	HSD(KL/M)	0.144	1.48
		Oil Well Cement (MT/M)	0.11	0.13
		Bentonite (MT/M)	0.020	0.0368
		Barite (MT/M)	0.018	0.0125
		Common Salt (MT/M)	0.006	0.017
		EP Lubricant (KL/M)	NIL	NIL
		Drilling Detergent (KL/M)	0.001	0.0001
		Micronized Calcium Carbonate (MT/M)	0.006	0.0078

Polluting Industry may use codes if disclosing details of raw material would violate

*Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PART-C

Pollution discharged to environment/unit of output
(Parameters Specified if the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil	NA	NA
(b) Air	Not significant	1. Particulate matter, PM 2.5=35.6 μ /m ³ 2. Particulate Matter, PM10 =56.3 μ /m ³ 3. SO ₂ =BDL μ /m ³ 4. NO ₂ =BDL μ /m ³ 5. CO=1.0 μ /m ³ 6. Hydrocarbon as Methane=1.72 μ /m ³ 7. Hydrocarbon as Non Methane=1.19 μ /m ³ 8. VOC-1.54 μ /m ³	No deviation from prescribed standards

PART-D
HAZARDOUS WASTES

(As specified under Hazardous Wastes / Management and handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year	During the current financial Year
(a) From process	3.13 KL	3.29 KL
(b) From pollution control facilities	NIL	NIL

PART-E
SOLID WASTE

Solid Waste	Total Quantity	
	During the previous financial year	During the current financial year
(a) From Process	1016 MT Drilled cuttings (Non-hazardous)	812 MT Drill cutting
(b) From pollution control facility	N.A.	N.A.
(c) Quantity recycled or re-utilized within the unit.	N.A.	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 the categories of wastes.

Burnt oil	Material sold to registered recyclers M/s. Jyoti Petrochem Industries, F-663, 4 th Phase, RIICO, Bornada, Jodhpur (RAJ)
Used batteries	Sent to suppliers as per corporate buy back policy
Drilled Cuttings	Drill cuttings (DC) originating were separated from Water base mud (WBM) and properly washed and disposed off in a well-designed pit lined with 0.5 mm HDP liner located on site. Drill cuttings were non-hazardous in nature due to use of water based Mud and Eco-friendly Chemicals.
Sewage Disposal	Sewage Disposed in Tank.

PART-G

Impact of the pollution abatement measures taken up on conservation of natural resources and consequently on the cost of production.

- a) Plantation of trees in and around the installation.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- a. Laying of 'HDPE Liner' at waste water pit for preventing contamination of ground water.

- b. Provisioning of Oil trap in effluent pit for retaining oily materials, if any.
- c. Concrete lining of area for accommodating drill cuttings, after washing and subsequently covering them with top "soil".
- d. Measurement of Ambient Air Quality and Noise Levels at well site and nearby site area.
- e. Drilling fluid & Drill cuttings testing through M/S Mitra S.K Private Limited Analytical Laboratory (MoEF & CC recognized NABL approved laboratory).
- f. Garland drain at the Drill site location for water conservation and proper treatment of waste water.

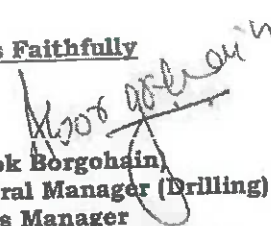
PART- I

Any other particulars for improving the quality of the environment.

Environment Management Plans.

- Usage of Engine power as per load requirement.
- Use of only acoustic gen sets at well site.
- Collection of safe disposal of Burnt Oil from Engines.
- Complete arrest of leakage through gland packing of Pumps, Valves, Pipe joints etc. So as to prevent run way of excess water to pit.
- Minimum usage of water on Derrick Floor for washing purpose by use of Wiper Rubber plug while Tripping Tubular so as to minimize accumulation of water in effluent pit.

Yours Faithfully


 (Ashok Borgohain)
 General Manager (Drilling)
 Mines Manager
 Drilling-Mines (Rajasthan Fields)
 Date: - 21/06/2024

Mine Manager
 रवान प्रबन्धक
 Drilling Mine
 वेधन खान
 Oil India Limited Jodhpur
 ऑयल इण्डिया लिमिटेड, जोधपुर
 Rajasthan Project
 राजस्थान परियोजना

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 Mr. Ashok Borgohain, General Manager (Drilling) - Rajasthan Fields, Oil India Ltd. 2-A District Shopping Centre, Saraswati Nagar, Basni, Jodhpur, Rajasthan-342005
- II. Industry category Primary - (STC Code) RED
Secondary - (STC Code) Oil and Gas
Exploration/Production
- III. Production capacity(Units) Chartered Hired Rig: Quippo # 39 (Diesel Mechanical Rig, HP Rating: 1000)
- IV. Year of establishment 09-12-2021 (Date of Mobilization of Rig : Quippo#39)
- V. Date of the last environmental statement submitted 09.10.2023

PART-B
Water and Raw Material Consumption

(i) Water consumption m³/d

Process: - 26 m³/d
Domestic: - 5 m³/d

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Drilling	0.754	3.125

* m³/METRE DRILLED

(ii) Raw material consumption

Name of raw materials	Name of products	Name of raw material	Consumption of raw material per Unit of output	
			During the previous financial year	During the current financial year
Chartered Hired Rig (Quippo Rig # 39)	Drilling of wells for oil and gas (Output is Meter drilled during the FY)	HSD(KL/M)	0.131	0.144
		Oil Well Cement (MT/M)		
		Bentonite (MT/M)		
		Barite (MT/M)		
		Common Salt (MT/M)		
		EP Lubricant (KL/M)		
		Drilling Detergent (KL/M)		
		Micronized Calcium Carbonate (MT/M)		

Polluting Industry may use codes if disclosing details of raw material would violate

*Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PART-C

Pollution discharged to environment/unit of output
(Parameters Specified if the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil	NA	NA
(b) Air	Not significant	1. Particulate matter, PM 2.5=47.6 μ /m ³ 2. Particulate Matter; PM10 =86.1 μ /m ³ 3. SO ₂ =6.4 μ /m ³ 4. NO ₂ =21.5 μ /m ³ 5. CO=0.62 μ /m ³ 6. Hydrocarbon as Methane=3.21 μ /m ³ 7. Hydrocarbon as Non Methane=0.5 μ /m ³ 8. VOC=1.54 μ /m ³	No deviation from prescribed standards

PART-D
HAZARDOUS WASTES

(As specified under Hazardous Wastes / Management and handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year	During the current financial Year
(a) From process	3.3 KL	5.9 KL
(b) From pollution control facilities	NIL	NIL

PART-E
SOLID WASTE

Solid Waste	Total Quantity	
	During the previous financial year	During the current financial year
(a) From Process	822 MT Drilled cuttings (Non-hazardous)	935 MT Drilled cuttings (Non-hazardous)
(b) From pollution control facility	N.A.	N.A.
(c) Quantity recycled or re-utilized within the unit.	N.A.	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 the categories of wastes. Burnt oil	Material sold to registered recyclers M/s. OM Industries, Plot NO C60 (A) , Road NO .1CNKIA-Jaipur
Used batteries	Sent to suppliers as per corporate buy back policy
Drilled Cuttings	Drill cuttings (DC) originating were separated from Water base mud (WBM) and properly washed and disposed of in a well-designed pit lined with 0.5 mm HDP liner located on site. Drill cuttings were non-hazardous in nature due to use of water based Mud and Eco-friendly Chemicals.
Sewage Disposal	Sewage Disposed in Tank

PART-G

Impact of the pollution abatement measures taken up on conservation of natural resources and consequently on the cost of production.

- a) Plantation of trees in and around the installation.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- Laying of 'HDPE Liner' at waste water pit for preventing contamination of ground water.
- Provisioning of Oil trap in effluent pit for retaining oily materials, if any.
- Concrete lining of area for accommodating drill cuttings, after washing and subsequently covering them with top "soil".
- Measurement of Ambient Air Quality and Noise Levels at well site and nearby site area.
- Drilling fluid & Drill cuttings testing through M/S Mitra S.K Private Limited (MoEF & CC recognized NABL approved laboratory).
- Garland drain at the Drill site location for water conservation and proper treatment of waste water.

PART- I

Any other particulars for improving the quality of the environment.

Environment Management Plans.

- Usage of Engine power as per load requirement.
- Use of only acoustic gen sets at well site.
- Collection of safe disposal of Burnt Oil from Engines.
- Complete arrest of leakage through gland packing of Pumps, Valves, Pipe joints etc. So as to prevent run way of excess water to pit.
- Minimum usage of water on Derrick Floor for washing purpose by use of Wiper Rubber plug while Tripping Tubular so as to minimize accumulation of water in effluent pit.

Yours Faithfully

(Ashok Borgohain)
General Manager (Drilling)
Mines Manager
Drilling-Mines (Rajasthan Fields)
Date: - 21/06/2024

Mine Manager
रवान प्रबन्धक
Drilling Mine
वेद्यन खान
Oil India Limited, Jodhpur
ऑयल इण्डिया लिमिटेड, जोधपुर
Rajasthan Project
राजस्थान परियोजना