

राजस्थान क्षेत्र

ऑयल हाऊस, 2-ए, डिस्ट्रीक्टेड शॉपिंग सेन्टर,
सरस्वती नगर, बासनी,
जोधपुर-342 005, राजस्थान, भारत

दूरभाष : 0291-2729417
फैक्स : 0291-2727050
वेबसाइट : www.oil-india.com
जी.एस.टी.नं. : 08AAACO2352C1ZX
सी.आई.एन. : L11101AS1959GO1001148

**ऑयल इंडिया लिमिटेड**

(भारत सरकार का उद्यम)

Oil India Limited

(A Government of India Enterprise)

Rajasthan Field

OIL HOUSE, 2-A, Dist. Shopping Center,
Saraswati Nagar, Basni,
Jodhpur - 342 005, Rajasthan, India

Telephone : 0291-2729417
FAX : 0291-2727050
Website : www.oil-india.com
GST No. : 08AAACO2352C1ZX
CIN : L11101AS1959GO1001148

Ref. No. RF/HSE/E-7/083/2023

Date: 16.01.2024

**Regional Officer of MoEF&CC,
Integrated 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 37 Development Wells at Tanot, Dandewala & Bagitibba Mining Lease Block at Village Tanot, Tehsil Ramgarh District Jaisalmer, Rajasthan by M/s Oil India limited - Environmental Clearance reg.

Ref: F. No. J-11011/430/2017-IA-II(I) dated 13th October, 2020.

With reference to above, please find enclosed herewith the six-monthly compliance report of environmental clearance (**37 Development Wells at Tanot, Dandewala & Bagitibba Mining Lease Block**) for the period 31.03.2023 to 30.09.2023 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 Dy. General Manager (ES & HSE)
For Executive Director (RF)

Enclosed: as above

Copy: The Member Secretary
Rajasthan State Pollution Control Board,
4, Institutional Area, Jhalana Doongari
Jaipur-302004

: Zonal Office (Bhopal), Central Pollution Control Board,
3rd Floor, Sahkar Bhawan, North IT Nagar,
Bhopal-462003.



Six Monthly Compliance Report of Environmental Clearance of (37) Developmental wells at Tanot, Dandewala & Bagitibba Mining Lease Block.

EC letter no. F.No.J-11011/430/2017-IA-II(I) dated 15th October,2020

Period of compliance: From 31.03.2023 to 30.09.2023

A. Specific Conditions:

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 and/or on land. Mobile ETP along with RO plant shall be installed to treat the waste water.	Complied. No Waste/Treated water shall discharged to any surface body/or on Land.
ii)	Ambient air quality shall be monitored near 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, CH ₄ ,HC,Non-Methane HC etc.	Noted for Compliance. However, no drilling activities carried out during the compliance period.
iii)	During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored using appropriate technology.	Noted & complied.
iv)	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.	Noted.
v)	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Hard standing of approach road done with morrum to minimize generation of suspended dust.
vi)	The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height shall be as per CPCB guidelines.	Complied. DG sets used in the drilling activity provided with acoustic enclosures and mufflers on exhaust to control noise emissions and adequate stack height for effective air pollution dispersion. However, no drilling activities carried out during the compliance period.
vii)	Total fresh water requirement shall not exceed 20 cum/day/well. Prior permission shall be obtained from the concerned regulatory authority. Mobile ETP coupled with RO shall be installed to reuse the treated water in drilling system. Size of the waste 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 rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above.	Complied. Ensured that the consumption is below 20m ³ /day/well. Agreement between OIL & IGNP exists for withdrawal of water. Enclosed as Annexure I.
viii)	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	Complied. Garland drains constructed all around the drilling site. Water Based Mud (WBM) (non-toxic/non-hazardous) used. Waste water was collected in

	shall be properly treated and treated waste water shall conform to CPCB standards.	effluent pit and being treated in ETP to conform to CPCB standards. However, no drilling activities carried out during the compliance period.
ix)	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 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. Drilling wastewater and drill cuttings wash water collected in HDPE lined waste pit, evaporated and treated as per standards. Drill cuttings collected in cuttings pit and tested. However, no drilling activities carried out during the compliance period. TSDF membership obtained. (Ref No. REEL/BWMP/BLTR/2011-12/006.) Enclosed as Annexure II.
x)	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 generated because of using Water Based Mud. However, amount of used lube oil collected from Generator Set and Prime Movers managed through authorised recycler "M/s Jyoti Petrochem Industries", Boranada, Jodhpur, Rajasthan for re-finishing and recycling of hazardous waste. In case of Oil spillage/contamination, action plan, Roles and responsibilities, Important telephone nos., etc. provided in the Emergency response plan.
xi)	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 no smoking zone. Fire water storage facilities, Fire engines, Fire Hydrant line, Fire hoses, Portable Fire extinguishers etc. were 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. A temporary flare stack installed at the time of drilling as per OMR guidelines.
xii)	The company 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.	OIL never encountered H ₂ S while drilling. However, gas monitoring systems with self-contained breathing apparatus sets made available during drilling. First aid facility with Doctor & ambulance service made available at site round the clock.

xiii)	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 its 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.
xiv)	Blow out preventer (BOP) 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.	Complied. Blow out preventer installed on each well during drilling and BOPs maintained, inspected and periodically tested, to ensure their fit for purpose status.
xv)	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 Indian Petroleum Regulations.	No, wells Abandoned under this EC during this compliance period. In the event of abandonment of a well, the "Well Abandonment Policy" of our Company shall be followed and the wells shall be permanently abandoned, and site restored as per statutory regulations/company's policy.
xvi)	All the commitments made to the public during public hearing/public consultation shall be satisfactorily implemented.	Being Complied. 1.Free Eye Camp in Tanot & Ramgarh. 2.Free Homeopathic camp in Tanot & Ramgarh. 3.Donation of student furniture to the Govt Sr. Secondary School and Primary School Tanot. 4. Maintenance & Watering of tree plantation in Tanot
xvii)	At least, 0. 75% of the project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office	OIL has been providing adequate funds in and around the project site under CER scheme.
xviii)	No lead acid batteries shall be utilized in the project/site	Noted.
xix)	Oil content in the drill cuttings shall be monitored by some Authorized agent and report shall be sent to the Ministry's Regional office.	Water based mud (WBM) used in the wells and recycled during entire operation. No synthetic Oil Base Mud used.
xx)	Company shall prepare operating manual in respect of all activities. It should cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling	Complied. Company has its own Safe Operating Procedure (SOP) manual for all its activities. Blow Out

	<p>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.</p>	<p>Prevention Manual Emergency Response Plan including well control Manual have been prepared and kept at each drill site during operation.</p> <p>Awareness training on health safety and environment conducted periodically for all staffs.</p>
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B: General Conditions:

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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	Noted for compliance. However, No further expansion or modifications in the plant carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA,
ii)	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment	Being complied.
iii)	The location 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 in installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. Report However, no drilling activities carried out during the compliance period.
iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. Report However, no drilling activities carried out during the compliance period.
v)	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic enclosures provided for DG sets. Earplugs/Earmuffs used by workers during drilling operation. However, no drilling activities carried out during the compliance period.
vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Very seldom, it rains in desert area. Strict control was exercised for judicious use of water at drilling well-site.
vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical	Complied. Moreover, MSDS made available in English as well as local language at site in order to apprise the chemical

	examinations for all the employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	workers to handle hazardous chemical safety. Initial Medical Examination & Periodical Medical Examination done as per standards.
viii)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.	Action initiated under Company's CER Scheme. Details mentioned at pt. no. xvi of specific conditions.
ix)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being complied as per Company's CSR Policy. Details mentioned at pt. no. xvi of specific conditions.
x)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions	Complied. The environment management cell has been set up at Company's Field Head - Quarter Duliajan, Assam. Necessary laboratory facilities provided by OIL's Chemical department as well as out sourced if required.
xi)	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.
xii)	A copy of clearance letter shall be sent by the project proponent to concerned Panchayat/Zila 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.
xii)	The project proponent shall also submit six monthly reports of compliance of the stipulated environment clearance conditions, including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of the MOEF, the respective Zonal office of CPCB and the RSPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Being Complied.
xiv).	The environmental statement for each financial year ending 31 st March in Form V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the Environment(Protection) Rules,1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of the MoEF by e-mail.	Complied. The environmental statement for each financial year ending 31 st March in Form submitted to RSPCB. Enclosed as Annexure III.

xv)	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. Details of the Environment Clearance published in Local Newspaper.
xvi)	The Project authorities shall inform the Regional office as well as Ministry, the date of financial closure and final closure approval of the project by the concerned authorities and the date of start of the project.	Wells covered under this EC drilled in phase wise manner. The financial closure will be communicated once all wells are drilled under this EC.
xvii)	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	Noted.

Date: 30/11/2023

(Signature)
 Dy. General Manager (Drilling)
 Mines manager, Drilling Mine (RF)
 Jodhpur
 Rajasthan Project
 रा. खन परियोजना

WATER SUPPLY AGREEMENT
BETWEEN
INDIRA GANDHI NAHAR PARIYOJNA,
GOVERNMENT OF RAJASTHAN
AND
OIL INDIA LTD
(A GOVT. OF INDIA ENTERPRISE)
ON- 07.04.2017
LOCATED AT
RD 169.100 OF CHARANWALA BRANCH





राजस्थान RAJASTHAN

B 574443

28 OCT 2016
कावालावा (राज.)
कावालावा (राज.)

This water supply agreement made on the 07th day of April 2017 between the Governor of the State of Rajasthan, represented by the Chief Engineer Indira Gandhi Nahar, Priyojna (Herein after referred to as the 'GOR' which expression shall, unless repugnant to the context or meaning thereof, include its successor's and assigns of the one part & M/s. OIL INDIA LIMITED, REPRESENTED BY EXECUTIVE DIRECTOR, OIL INDIA LIMITED having its project office at, 2-A SARASWATI NAGAR DISTRICT, SHOPPING CENTRE, BASNI JODHPUR-342005, RAJASTHAN a Government of India Enterprise under the Administrative control of the Ministry of Petroleum Govt. of India (Herein after called the OIL which expression shall, unless repugnant to the context or meaning thereof shall include its successor & assigns) of the other part.



OIL has applied to Govt. of Rajasthan for supply of water from IGNP, Charanwala Branch for its heavy oil project at Baghewala. The water will be drawn from RD 169.100 of Charanwala Branch of IGNP in Jaisalmer District of Rajasthan for Heavy Oil Project.

And whereas OIL has applied to GOR to Sanction the supply of water from Charanwala Branch of Indira Gandhi Nahar Pariyojna (IGNP) in Jaisalmer District for the above mentioned project and the GOR has agreed to supply the same.

(1)

And whereas, the OIL shall use water only for the purpose specified in this agreement & shall not utilize or sell water for any other purpose outside the project.

Now, therefore, this agreement between the parties hereto witnesseth as follows:

- (1) That the GOR shall supply and the OIL shall at present draw, at its own cost raw water from Charanwala Branch at or around RD 169.100, a quantity of 600 kilo litre water per day. But as the Charanwala Branch runs as per rotation orders issued by competent authority, hence it is assumed that Charanwala Branch may run for 8 days in month, & so the quantity of water will be supplied at the rate of 1.00 cusec during running period of Charanwala Branch. Any change in this can be made with mutual agreement of both the parties.
- (2) That the Indira Gandhi Nahar Pariyojna has already constructed at the cost of OIL one Adjustable Proportional Module (APM) structure and a water course (carrier system) with gravity drainage up to the reservoir of OIL as per the request of OIL authority. The OIL has paid for the full cost of design and Engineering as determined by IGNP.
- (3) The OIL shall arrange, operate & maintain the water reservoir of required capacity to store raw water, as the supply be done only when the Charanwala Branch is in running condition. Also OIL shall maintain the carrier system i.e. water course at his own cost.
- (4) That OIL shall pay for water actually drawn with the provisions of hereof at the rate for the category of Industrial use presently being Rupees Twenty (20/-) per thousand cu.ft. The rate would be subject to revision from time to time as may be decided by GOR. The OIL shall maintain the discharge measuring flume, if any, installed on their works at own cost, for measuring the quantity of water drawn from the Charanwala Branch of IGNP.
- (5) As the supply of raw water shall be made through the APM, installed by IGNP hence the discharge shall be calculated on the basis of design discharge of APM & accordingly billing will be done & OIL shall have to pay the cost of water as per bill.
- (6) That the supplies of water shall ordinarily be available on Charanwala Branch except on account of rotational closer or for repairs or for reasons which may be in the opinion of the Chief Engineer, IGNP, Bikaner warrant such a closure.
-  (7) That OIL shall pay the bills of IGNP on monthly basis, within 15 days from the date of receipt of the bill and in case of default in making the payment, GOR shall have the right to cut off supplies, if the bill are not paid within 30 days of presentation thereof. Without prejudice as aforesaid interest at the rate of 13% (Thirteen percent) per annum shall be paid by OIL on the unpaid amount of the bill.
-  (8) OIL shall use water only for the purpose specified in this agreement and shall not utilize or sell water for any other commercial or Industrial purpose outside the project. GOR shall have right to inspect all works of

OIL to ensure compliance of this provision. Further the GOR shall have the right to cut off supplies to OIL, if water supplied is used for any purpose other than the specified in this agreement after giving 15 days notice.

- (9) In case of default in timely payment of water charges as per clause 4 and non compliance of provision contained in clause 7 of this agreement, by OIL, GOR shall be at liberty to discontinue water supply to OIL. Once the water supply is discontinued, GOR may consider the restoration of water supply to OIL only on a written request from the OIL signed by the signatory of the agreement. The decision of the GOR may be communicated to OIL in writing within 15 days of the receipt of the written request from OIL.

(10) **Force Majeure:** The parties shall ensure due compliance of their respective obligations as per the terms of this agreement. However, no party shall be liable for any claim for any loss or damage whatsoever arising out of failure is due to force majeure events such as war, rebellion, mutiny, Civil commotion, riot, Sabotage & strikes, lock out or other concerted action of workmen, forces of nature or act of God such as famine, floods, fire, earthquake and epidemic and any other reason beyond the control of concerned party. But any party claiming the benefit of this clause shall reasonably satisfy the other party of the existence of such an event and given written notice immediately to the other party to this effect.

- (11) **Implementation of the Agreement**

- (12) **Notice:** All notice with regard to default or dispute relating to this agreement shall be in writing and signed by the signatories to the agreement or by the authorized representative(s). Each such notice shall be deemed to have been duly given or sent by the party concerned, if the notice is delivered against acknowledgement due to the signatories or the authorized representative(s) at their respective address.

- (13) Save as aforesaid, the courts in Rajasthan at Bikaner shall have jurisdiction.

- (14) **Successors & Assigns:** In case any of the party to this agreement is restructured and/or its generation, transmission and distribution activities are taken over by other organization(s) / agency (ies) partly or wholly, the Agreement shall be binding mutates/mutandis upon the successor organization(s) agency (ies), shall continue to remain valid with respect to the obligations of the successor organization(s)/ agency (ies). The concurrence/undertaking with respect to the implementation of agreement as obtained from such successor shall be communicated to the other party.

- (15) This agreement shall be valid for an initial period of 10 years; validity period may be extended further as per mutual consent of GOR and OIL.

CHOICE OF LAW AND DISPUTE RESOLUTION

- (16) **Governing Law**

This agreement shall be governed by the laws of India and the laws of

Rajasthan. The courts at Rajasthan Bikaner/ Jaisalmer only shall have jurisdiction in the matter.

Settlement of Disputes

If any question, difference or objection what so ever shall arise in any way in connection with or arising out of this agreement, or the meaning of operation of any part thereof, or the rights, duties or liabilities of either party then, save in so far as the decision, of any such matter, as herein before provide for, and been so decided every such matter constituting a total claim of Rs. 50,000/- or above, whether its decision has been otherwise provided for and whether it has been finally decided accordingly, shall be referred for decision to the empowered Standing committee consist of the following namely:

- I) Administrative Secretary concerned
- II) Finance Secretary or his nominee, not below the rank of Deputy Secretary.
- III) Principle Secretary, Law Department or his nominee not below the rank of Joint, Legal Remambrancer.
- IV) Secretary, Indira Gandhi Nahar Board.
- V) Chief Engineer concerned (Member Secretary)

The engineer-in-charge on receipt of application along with non refundable prescribed fee, (the fee would be two percent of the amount in dispute, not exceeding Rs. One lac) from OIL INDIA LIMITED, shall refer the dispute to the committee, within a period of one month from the date of receipt of application.

In witness whereof, the parties have signed this agreement hereunder:




EXECUTIVE DIRECTOR (RP)
OIL INDIA LIMITED
ऑयल इण्डिया लि., जोधपुर
N.R. Deka
Executive Director (R.P.)
Oil India Ltd. Jodhpur

Witness:


1) 
MN Talukdar


2) 
Gaurav Goel

3 
CHIEF ENGINEER
INDIRA GANDHI NAHAR BOARD
मुख्य अभियन्ता
इन्दिरा गांधी नहर परियोजना
बीकानेर

On behalf of
Governor of the State of Rajasthan

Witness:

1) 
चौधमिल चौधरी
अमुअ, इगानप, बीकानेर

2) 
TA to ACE
अधिसात्री अभियन्ता एवं प्रा. रा.
कृते अतिथित मुख्य अभियन्ता
इ. ग. न. प., बीकानेर

(4)



Balotra Waste Management Project
(Div. of Ramky Enviro Engineers Ltd.)

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

Village. - Kher, Tehsil. - Pachpadra

District. - Barmer (Rajasthan)

Ph. No. : +91-294-2802032, 2658253. E-mail : rwmp@ramky.com

Ref No: REEL/BWMP/11-12/MBD/MS/006

Dt: 21.10.2011

To

Oil India Limited

Old Road, Jodhpur

Dist. Jodhpur. (Rajasthan)

Kind Attn: Mr. Ajai Agarwal.

Subject: Membership number give out.

We are glad to inform you that you're being the esteem customer to our Balotra Waste management Project (A Division of Ramky Enviro Engineers Ltd).

We have issued Membership Number as REEL/BWMP/BLTR/2011-12/006 to M/s Oil India Limited.

The membership fee you have given Rs. 25,000/- is not refundable or not transferable.

We wish our relation towards sustainable and pollution free Rajasthan.

Thanking You,

Yours truly

For Ramky Enviro Engineers Limited

(unit- Balotra Waste Management Project)

Authorized Signatory

Cc:



1. Regional Officer, RSPCB, Jodhpur.

Towards sustainable growth

MANAGING HAZARDOUS WASTE

Corporate Office: Door No. 6-3-1090, 4th Floor, TSR Towers, above Standard Chartered Bank, Rajbhavan Road, Somajiguda, Hyderabad-500082

Tel.: +91-40-44422222 (60-Lines), E-mail : info@ramky.com

राजस्थान क्षेत्र

ऑयल हाउस, 2-ए, डिस्ट्रीक्ट शॉपिंग सेन्टर,
सरस्वती नगर, बासनी,
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ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
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Rajasthan Field

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CIN : L11101AS1959GO1001148

R/S&E/E-2/RSPCB/54/2023

09.10.2023

To,

The Member Secretary
Rajasthan State Pollution Control Board,
4, Institutional Area, Jhalana Doongari
Jaipur-302004

Subject: Environment Statement for the financial year 2022-23

Sir,

Please find enclosed herewith the Environment Statements of Production Mine and drilling mine, of Rajasthan Project of Oil India Limited for the financial year ending 31.03.2023 for your kind information and perusal.

Enclosed: Environment Statement-2022-23 (Form V)

Yours faithfully,
OIL INDIA LIMITED


(Siddharth Singh)

Chief Engineer (FS)
For Dy. General Manager (ES & HSE)
For Executive Director (RF)

Copy: Integrated Regional Officer,
A-218, 'Aranaya Bhawan'
Mahatma Gandhi Road,
Jhalana Institutional Area',
Jaipur - 304002

: The Regional Officer
RSPCB, SPL-2, MIA, Phase-1
Basni, Jodhpur

FORM-V
See Rule (14)

Environmental Statement for the financial year ending the 31st March 2023

PART-A

- I. Name and address of the owner/occupier of the industry operation or process
Mr. Ashok Borgohain, Dy.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
26-04-2022

PART-B

Water and Raw Material Consumption

(i) Water consumption m³/d

Process - 23 m³/ d

Domestic: - 6 m³/ d

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Drilling	0.67	2.06

*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)	0.116	0.144
		Oil Well Cement (MT/M)	0.12	0.11
		Bentonite (MT/M)	0.021	0.020
		Barite (MT/M)	0.021	0.018
		Common Salt (MT/M)	0.008	0.006
		EP Lubricant (KL/M)	NIL	NIL
		Drilling Detergent (KL/M)	0.001	0.001
		Micronized Calcium Carbonate (MT/M)	0.005	0.006

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	<ol style="list-style-type: none"> 1. Particulate matter, PM 2.5=35.6μ/m³ 2. Particulate Matter, PM10 =56.3μ/m³ 3. SO₂=BDL μ/m³ 4. NO₂=BDL μ/m³ 5. CO=1.0μ/m³ 6. Hydrocarbon as Methane=1.72μ/m³ 7. Hydrocarbon as Non Methane=1.19μ/m³ 8. VOC=1.54 μ/m³ 	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	.627 KL (Burnt Oil)/Well	3.13 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	875 MT Drilled cuttings (Non-hazardous)	1016 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. 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

(Signature)
(Ashok Borgohain) Oil India Limited, Jodhpur
 Dy. General Manager (Drilling)
 Mines Manager
 Drilling-Mines (Rajasthan Fields)
 Date: - 15/09/2023

Mine Manager
 खान प्रबंधक
 Drilling Mine
 तैरम खान

Oil India Limited, Jodhpur
 (Drilling)
 जॉधपुर
 Rajasthan Project
 राजस्थान परियोजना

FORM-V
Sec Rule (14)

Environmental Statement for the financial year ending the 31st March 2023

PART-A

- | | |
|--|--|
| I. Name and address of the owner/occupier of the industry operation or process | Mr. Ashok Borgohain, Dy. 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 | NIL |

PART-B

Water and Raw Material Consumption

(i) Water consumption m³/d

Process : - 26m³/d
Domestic:-6 m³/d

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Drilling	0.126	0.754

* 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)	0.11	0.131
		Oil Well Cement (MT/M)	0.14	
		Bentonite (MT/M)	0.03	
		Barite (MT/M)	0.007	
		Common Salt (MT/M)	0.01	
		EP Lubricant (KL/M)	NIL	
		Drilling Detergent (KL/M)	NIL	
		Micronized Calcium Carbonate (MT/M)	NIL	

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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. SO2=6.4 μ /m ³ 4. NO2=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	.95 KL (Burnt Oil)/Well	3.3 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	777 MT Drilled cuttings (Non-hazardous)	822 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 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.
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- 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.

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Mine Manager
खान प्रबन्धक
Drilling Mine
खान खान
Oil India Limited, Jodhpur
इण्डिया लिमिटेड, जोधपुर
Yours Faithfully
Rajasthan Project
(Ashok Borgohain) राजस्थान परियोजना
Dy. General Manager (Drilling)
Mines Manager
Drilling-Mines (Rajasthan Fields)
Date: - 15/09/2023