

राजस्थान क्षेत्र

ऑयल हाउस, 2-ए, डिस्ट्रीक्टेड शॉपिंग सेंटर,
सरस्वती नगर, बासनी,
जोधपुर-342 005, राजस्थान, भारत

दूरभाष : 0291-2729417
फैक्स : 0291-2727050
वेबसाइट : www.oil-india.com
जी.एस.टी.सी. : 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/S&E/E-7/081/2024

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,
Jaipur302004**

**Sub: Six monthly compliance report for Development Drilling of
Twenty (20) Wells in Dandewala & Bagitibba Mining Lease
Block of 250 sq km at village Tanot, Tehsil Ramgarh, District
Jaisalmer, Rajasthan by M/s Oil India limited - Environmental
Clearance reg.**

Ref: F. No. J-11011/116/2013- IA-II (I) Dated 03.09.2015

With reference to above, please find enclosed herewith the six-monthly compliance report of environmental clearance (**Dandewala & Bagitibba Mining Lease Block of 250 sq km**) 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)
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 Development Drilling of (20) Wells in Dandewala & Bagitibba Mining Lease block of 250 sq Km, District Jaisalmer, Rajasthan.

EC letter no. F.No.J-11011/116/2013-IA-II(I) dated 3rd September,2015

Period of compliance: From 31.03.2023 to 30.09.2023

A. Specific Conditions:

i)	Ambient air quality shall be monitored near the closest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16 th November 2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, Methane & Non-Methane HC etc.	Complied. Ambient air quality of the nearby area monitored as per NAAQ emission standards. However, no drilling activities carried out during the compliance period.
ii)	Mercury shall also be analysed in air, water, and drill cuttings twice during drilling period.	Complied. Air, water, and drill cuttings are analysed to determine the presence of mercury during drilling period. However, no drilling activities carried out during the compliance period.
iii)	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.
iv)	The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG sets and proper stack height shall be provided as per CPCB guidelines.	Complied. The acoustic enclosures provided with the DG sets and given proper stack height as per CPCB guidelines.
v)	Total water requirement shall not exceed 25m ³ /day and prior permission shall be obtained from the concerned agency.	Complied. Ensured that the consumption is below 25m ³ /day. Agreement between OIL & IGNP exists for withdrawal of water during drilling period. Enclosed as Annexure I.
vi)	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 constructed all around the drilling site. The use of Water Based Mud (WBM) (non-toxic/non-hazardous). Collection of Wastewater in effluent pit and treated in ETP to conform to CPCB standards.
vii)	Drilling wastewater including drill cuttings wash water shall be collected in disposal pit lined with HDPE lining evaporated or treated and shall comply with the notified standards for on-shore disposal. The membership of common TSDF shall be obtained for the disposal of drill cutting and hazardous waste. Otherwise, secured land fill shall be created at the site as per the design approved by the CPCB and obtain authorization from the SPCB. Copy of authorization or membership of TSDF shall be submitted to Ministry's Regional office at Lucknow.	Complied. Drilling wastewater and drill cuttings wash water collected in HDPE lined waste evaporated and treated as per standards. Drill cuttings collected in cuttings pit and tested. TSDF membership obtained. (Ref No. REEL/BWMP/BLTR/2011-12/006.) Enclosed as Annexure II.

viii)	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed-off through septic tank/soak pit.	Complied. Septic tank/Soak Pits provided for the disposal of domestic sewage at drilling site during drilling period.
ix)	Oil spillage prevention 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 managed through 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.
x)	The company shall comply with the guidelines for disposal of solid waste, drilling cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30 th August 2005.	Water Base Mud (non-toxic/non-hazards) used during drilling and the drill cuttings separated out on an impervious 300 gsm thick HDPE lined effluent pit with secured fencing at site as per GSR.546(E) dated 30 th Afsugust,2005. The same dried up due to natural evaporation in ambient environment.
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 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. A temporary flare stack installed during drilling period 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, portable gas monitoring systems with self-contained breathing apparatus sets made available during drilling period. First aid facility with Doctor & ambulance service made available at site round the clock.
xiii)	On completion of drilling, the company have to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	Noted for compliance. However, no drilling activities carried out during the compliance period.
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 (BOP) system installed to prevent well blowouts during drilling operations.
xv)	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS, and Govt.	Complied. Emergency Response Plan prepared based on Guidelines of

	of India.	OISD, DGMS and Govt. of India.
xvi)	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 to the 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.	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.
xvii)	Abandoned well inventory and remediation plan shall be submitted within six months from the date of issue of letter.	Agreed & Noted. Shall be complied in case of abandonment of well.
xviii)	All the issues raised during the Public Hearing/consultation meeting held on 28 th January, 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	All the issues raised during the Public Hearing/consultation meeting and adequate budget provisions been provided and are being implemented regularly.
xix)	Occupational health surveillance of the workers shall be carried out as per prevailing Acts and Rules.	24 Hrs. Medical facilities with Doctors was made available at site during drilling and periodic health surveillance of the workers were monitored regularly as per guidelines of OMR 2017 & OISD Guidelines.
xx)	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional office.	Restored under this EC during this compliance period. However, Restoration of project sites will be carried out as per Site Restoration/Reclamation guidelines of the company and report for the same will be sent to the Ministry's Regional office.
xxi)	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.
xxii)	Under Enterprise Social commitment (ESC), sufficient budget provision shall be made for health improvement, education, water and electric supply etc. in and around the project.	OIL has been providing adequate funds in and around the project site under CSR scheme.
xxiii)	An audit shall be done to ensure that the Environment Management plan is implemented in totality and report shall be submitted to the Ministry's Regional office.	Audits/ Inspections of the drilling sites during drilling period carried out periodically to ensure the implementation of the Environment Management plan.
xxiv)	All personnel including those of contractors shall be trained and made fully aware of the hazards, risks and controls in place.	Safety talk, Job safety analysis, Tool Box meetings carried out as per HSE policy/OMR/OISD guidelines. Mines Vocational training arranged for drilling crew as per Mines Rules 1955.

xxv)	Company shall have own Environment Management Cell having qualified persons with proper background.	Company has Environment Management Cell under HSE department at PHQ, Duliajan.
xxvi)	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 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.	<p>Company has its own Safe Operating Procedure (SOP) manual for all its activities. Blow Out Prevention Manual Emergency Response Plan including well control Manual 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>


B. General Conditions:

i	The project authorities must strictly adhere to the stipulations made by the Rajasthan State Pollution Control Board (RSPCB), State Government and any other statutory authority.	All the statutory requirements/observations of the statutory bodies are complied.
ii	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & forests. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required if any.	Noted. No further expansion or modification in the project carried out without prior approval of the Ministry of Environment & forests.
iii	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspector of Factories, Chief Controller of Explosives, Fire Safety inspectorate etc. must be obtained, wherever applicable.	Noted for compliance.
iv	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 EPA Rules 1989 viz 75 dBA (day time) and 70 dBA (Night time)	<p>Complied.</p> <p>The acoustic enclosures provided with the DG sets and given proper stack height as per CPCB guidelines.</p> <p>However, no drilling activities carried out during the compliance period.</p>
v	A separate Environmental Management cell equipped with full-fledged laboratory facilities must 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.
vi	A copy of clearance letter shall be sent by the 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. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Information regarding EC accorded for the project published in local newspapers. The clearance letter also been uploaded on company's website.
vii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of the monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of the MOEF, the respective Zonal office of CPCB and the RSPCB. The criteria pollutant levels namely, PM ₁₀ , SO ₂ , NO _x , HC (Methane & Non-Methane), VOCs (ambient levels as well as stack emissions) or critical parameter, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted for compliance.
viii	The project proponent shall also submit six monthly reports on the status 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.	Complied.
ix	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 financial year ending 31 st March submitted to RSPCB. Enclosed as Annexure III.
x	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 at http://moef.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.	Complied. Details of the Environment Clearance published in Local Newspaper.

xi	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and date of commencing and land development work.	Wells covered under this EC drilled in phase wise manner. The financial closure will be communicated once all wells drilled under this EC.
xii	The Ministry may revoke or suspend the clearance, if implementation of any the above conditions is not satisfactory.	Noted.
xiii	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted.
xiv	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of Water Pollution) Act 1981 the Environment (Protection) Act 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.

Date: 30/11/2022


 Ashok Borgohain
 Dy. General Manager (Drilling)
 Mines Manager, Drilling Mine (RF)
 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

जोधपुर (राज.)
28 OCT 2016
कावागल (शहर)

(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.

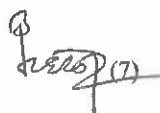

OIL has applied to Govt. of Rajasthan for supply of water from IGNP, Charanwala Branch for its heavy oil project at Baghewala. The water will be drawn from RD 169.100 of Charanwala Branch of IGNP in Jaisalmer District of Rajasthan for Heavy Oil Project.

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.

[Handwritten signature]
[Handwritten signature] (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, muting, 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



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


On behalf of
Governor of the State of Rajasthan


Witness:

1) 
M.N. Talukdar

2) 
Gaurav Goel

Witness:

1) 
चौथर्मल चौधरी
अमुअ, इंगांनप, बीकानेर

2) 
अधिकाारी अभियन्ता एवं डा. प.
कृते अतिरिक्त मुख्य अभियन्ता
इ.गा.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, डिस्ट्रीबुट शॉपिंग सेन्टर,
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फैक्स : 0291-2727050
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सी.आई.एन. : L11101AS1959GO1001148



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

Rajasthan Field

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Jodhpur - 342 005, Rajasthan, India
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Website : www.oil-india.com
GST No. : 08AAACO2352C1ZX
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) 10/10/23
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
 नैरा खान

Oil India Limited, Jodhpur
 डायरेक्टर, जोधपुर
 राजस्थान प्रोजेक्ट
 ड्रिलिंग-माइन्स

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	

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=47.6μ/m³ 2. Particulate Matter, PM10 =86.1μ/m³ 3. SO2=6.4 μ/m³ 4. NO2=21.5 μ/m³ 5. CO=0.62μ/m³ 6. Hydrocarbon as Methane=3.21μ/m³ 7. Hydrocarbon as Non Methane=0.5μ/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	.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.
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)
Dy. General Manager (Drilling)
Mines Manager
Drilling-Mines (Rajasthan Fields)
Date: - 15/09/2023

Mine Manager
खान प्रबन्धक
Drilling Mine
केएम एम
Oil India Limited, Jodhpur
इण्डिया लिमिटेड, जोधपुर
Rajasthan Project
राजस्थान परियोजना



ARIHANT ANALYTICAL LABORATORY PVT. LTD.

AN ISO 9001:2015, ISO 14001:2004, ISO 45001:2018 CERTIFIED LABORATORY

272, Phase-IV, Sec-57, HSIIIDC, Kundli, Sonapat-131028 (Haryana)

Ph. : 7082301442, 9250014551 Email : aalkundli@gmail.com

Website : www.aalkundli.com

TEST CERTIFICATE

AMBIENT AIR QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)
Contract No: GEMC-511687709317073
Project Location: DND-GPC, Dandewala
Sample Description: Ambient Air Quality Monitoring
Date of Sampling: 22/03/2023 to 23/03/2023
Sampling Location: Near Main Gate

Report No. AAL ENV-20230327022

Date of Receiving: 27/03/2023

Date of Starting: 27/03/2023

Date of Completion: 31/03/2023

Date of Reporting: 31/03/2023


Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	68.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	28.5	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	9.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	20.7	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.60	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.5	NS	IS-5182 (P-17)-1979 Reaff. 2003

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****


Amitesh Kumar
(SR. ANALYST)
Authorised Signatory

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not implied.
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5. The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



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Ph. : 7082301442, 9250014551 Email : aalkundli@gmail.com

Website : www.aalkundli.com

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
AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, Z-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230327023
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	22/03/2023 to 23/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Near Production Office	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	64.2	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	35.9	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO _x)	µg/m ³	27.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.80	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=30.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.5	NS	IS-5182 (P-17)-1979 Reaff. 2003

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****


Amresh Kumar
(SR. ANALYST)
Authorised Signatory

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Website : www.aalkundli.com

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)
Contract No: GEMC-511687709317073
Project Location: DND-GPC, Dandewala
Sample Description: Ambient Air Quality Monitoring
Date of Sampling: 22/03/2023 to 23/03/2023
Sampling Location: Near MMC Area

Report No. AAL ENV-20230327024

Date of Receiving: 27/03/2023

Date of Starting: 27/03/2023

Date of Completion: 31/03/2023

Date of Reporting: 31/03/2023


Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	55.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	32.9	60	CPCB Guideline/Gravimetric/
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.7	80	(AAL/SOP/ENV/002)
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	23.6	80	IS-5182 (P-2)-2001
5	Carbon Monoxide (as CO)	mg/m ³	1.0	2 (8hr)/4 (1hr)	IS-5182(P-6)-2006
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-10)-1999
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Reaff. 2003
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-9)-1999/
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	Photometric
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	Indi-Phenol Blue Method
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	IS-5182(P-22)-2004
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	IS-5182(P-22)-2004
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	NIOSH 6015-2005
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	CPCB/GC Method

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****


Amlesh Kumar
(SR. ANALYST)
Authorised Signatory

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Website : www.aalkundli.com

TEST CERTIFICATE

AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421034
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	19/04/2023 to 20/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	62.7	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	33.5	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	22.9	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.70	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.2	NS	IS-5182 (P-17)-1979 Reaff. 2003

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****

Amlesh Kumar
(SR. ANALYST)
Authorised Signatory

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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)

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TEST CERTIFICATE

AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421035
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	19/04/2023 to 20/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Production Office	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	57.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	36.2	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	29.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.90	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.5	NS	IS-5182 (P-17)-1979 Reaff. 2003

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****End of Report****


Anil Kumar
(SR. ANALYST)
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Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421036
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	19/04/2023 to 20/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near MMC Area	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	52.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	29.4	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	21.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003

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****End of Report****

Amlesh Kumar
(SR. ANALYST)
Authorised Signatory

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Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)
Contract No: GEMC-511687709317073
Project Location: DND-GPC, Dandewala
Sample Description: Ambient Air Quality Monitoring
Date of Sampling: 19/05/2023 to 20/05/2023
Sampling Location: Near Production Office

Report No. AAL ENV-20230522036

Date of Receiving: 22/05/2023
Date of Starting: 22/05/2023
Date of Completion: 31/05/2023
Date of Reporting: 31/05/2023
Weather Condition: Sunny
Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	68.2	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	39.4	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.6	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	31.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.95	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.4	NS	IS-5182 (P-17)-1979 Reaff. 2003

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

Authorised Signatory

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522035
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	19/05/2023 to 20/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	68.7	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	40.5	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.7	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	32.2	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.85	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	1.3	NS	IS-5182 (P-17)-1979 Reaff. 2003

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Dandewala

Sample Description: Ambient Air Quality Monitoring

Date of Sampling: 19/05/2023 to 20/05/2023

Sampling Location: Near MMC Area

Report No. AAL ENV-20230522037

Date of Receiving: 22/05/2023

Date of Starting: 22/05/2023

Date of Completion: 31/05/2023

Date of Reporting: 31/05/2023

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM ₁₀	µg/m ³	63.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	32.5	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	24.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979 Reaff. 2003

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****End of Report****

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230619049
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	83.9	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	42.1	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	12.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	31.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.2	NS	IS-5182 (P-17)-1979

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****End of Report****

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Gen. Manager (Q&T)

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230619050
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	Near MCC Area	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	74.2	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	38.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	28.9	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (QA&F)

Authorised Signatory

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272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230619051
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	72.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	38.1	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	11.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	29.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.95	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.3	NS	IS-5182 (P-17)-1979

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

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Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230817040
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	82.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	43.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	13.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	32.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.2	NS	IS-5182 (P-17)-1979

NS-Not Specified, BDL-Below Detection Limit & DL-Detection Limit

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur – 342 005 (Rajasthan)	Report No.	AAL ENV-20230817041
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	73.6	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	39.1	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	9.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	26.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.90	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

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Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near MCC Room	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	79.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	40.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	28.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.3	NS	IS-5182 (P-17)-1979

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Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	82.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	43.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	13.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	32.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.2	NS	IS-5182 (P-17)-1979

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Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	73.6	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	39.1	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	9.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	26.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.90	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=10.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979

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Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near MCC Room	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	79.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	40.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	28.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.3	NS	IS-5182 (P-17)-1979

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager

Authorised Signatory

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To: M/s Oil India Ltd
Rajasthan Project, Oil House, 2-A,
Dist. Shopping Centre, Saraswati Nagar,
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Ambient Air Quality Monitoring

Date of Sampling: 17/09/2023 to 18/09/2023

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Production Installation, Dandewala

Sampling Location: Near Main Gate

Report No. AAL ENV-20230920031

Date of Receiving: 20/09/2023

Date of Starting: 20/09/2023

Date of Completion: 27/09/2023

Date of Reporting: 27/09/2023

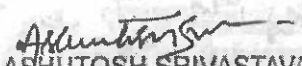
Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	84.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	45.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	36.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	26.2	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.1	NS	IS-5182 (P-17)-1979

NS=Not Specified, BDL=Below Detection Limit & DL=Detection Limit

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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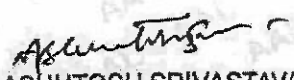
AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230920032
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	20/09/2023
Date of Sampling:	17/09/2023 to 18/09/2023	Date of Starting:	20/09/2023
Contract No:	GEMC-311687709317073	Date of Completion:	27/09/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	27/09/2023
Sampling Location:	Near Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	76.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	35.4	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	29.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	0.96	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	23.5	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979

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****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT AIR QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230920033
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	20/09/2023
Date of Sampling:	17/09/2023 to 18/09/2023	Date of Starting:	20/09/2023
Contract No:	GEMC-511687709317073	Date of Completion:	27/09/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	27/09/2023
Sampling Location:	Near MCC Room	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM ₁₀	µg/m ³	74.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM _{2.5}	µg/m ³	35.9	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO ₂)	µg/m ³	12.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO ₂)	µg/m ³	32.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m ³	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	26.8	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m ³	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m ³	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m ³	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m ³	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m ³	BDL (DL=0.001)	NS	By Air APHA
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	IS-5182 (P-17)-1979
15	Hydrocarbon (as Non Methane)	ppm	1.2	NS	IS-5182 (P-17)-1979

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****End of Report****

Ashutosh Srivastava
ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421037
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	19/04/2023 to 20/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq Category of Area / Zone	Day Time 06:00AM-10:00PM		Night Time 10:00PM-06:00AM	
1	Noise Level		57.5	A: Industrial Area	75		70	
	Leq-Day	dB(A)		B: Commercial Area	65		55	
			42.2	C: Residential Area	55		45	
	Leq-Night	dB(A)		D: Silence Zone	50		40	

****End of Report****


Amlesh Kumar
(SR. ANALYST)
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421038
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	19/04/2023 to 20/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Production Office	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement	
				Limits as per CPCB norms in dB(A) Leq Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level				
			61.7	A: Industrial Area	75
	Leq-Day	dB(A)		B: Commercial Area	65
				C: Residential Area	55
	Leq-Night	dB(A)	42.1	D: Silence Zone	50
					40

****End of Report****

Amlesh Kumar
(SR. ANALYST)
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)
Contract No: GEMC-511687709317073
Project Location: DND-GPC, Dandewala
Sample Description: Ambient Noise Quality Monitoring
Date of Sampling: 19/04/2023 to 20/04/2023
Sampling Location: Near MMC Area

Report No. AAL ENV-20230421039

Date of Receiving: 21/04/2023
Date of Starting: 21/04/2023
Date of Completion: 25/04/2023
Date of Reporting: 25/04/2023
Weather Condition: Sunny
Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq Category of Area / Zone	Day Time 06:00AM-10:00PM		Night Time 10:00PM-06:00AM	
1	Noise Level							
	Leq-Day	dB(A)	58.4	A: Industrial Area	75		70	
				B: Commercial Area	65		55	
	Leq-Night	dB(A)	43.6	C: Residential Area	55		45	
				D: Silence Zone	50		40	

End of Report

Amlesh Kumar
(SR. ANALYST)
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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522038
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	19/05/2023 to 20/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement	
				Elmits as per CPCB norms in dB(A) Leq Category of Area / Zone	Day Time Night Time
1	Noise Level				
	Leq-Day	dB(A)	64.5	A: Industrial Area	75 70
				B: Commercial Area	65 55
				C: Residential Area	55 45
	Leq-Night	dB(A)	52.8	D: Silence Zone	50 40

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)
Contract No: GEMC-511687709317073
Project Location: DND-GPC, Dandewala
Sample Description: Ambient Noise Quality Monitoring
Date of Sampling: 19/05/2023 to 20/05/2023
Sampling Location: Near Production Office

Report No. AAL ENV-20230522039

Date of Receiving: 22/05/2023

Date of Starting: 22/05/2023

Date of Completion: 31/05/2023

Date of Reporting: 31/05/2023

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement		
				Limits as per CPCB norms in dB(A) Leq	Day Time	Night Time
1	Noise Level	dB(A)	63.6	Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
				A: Industrial Area	75	70
	Leq-Day	dB(A)	63.6	B: Commercial Area	65	55
	Leq-Night	dB(A)	48.8	C: Residential Area	55	45
				D: Silence Zone	50	40

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Sarawati Nahar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522040
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	DND-GPC, Dandewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	19/05/2023 to 20/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near MMC Area	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement		
				Limits as per CPCB norms in dB(A) Leq	Day Time	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	61.5	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	45.8	C: Residential Area	55	45
				D: Silence Zone	50	40

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230619052
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	66.4		75	70
					65	55
	Leq-Night	dB(A)	51.9		55	45
					50	40

End of Report

Dr. D. R. SHARMA
Gen. Manager (QA)

Authorised Signatory

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Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur – 342 005 (Rajasthan)	Report No.	AAL ENV-20230619053
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	MCC Room	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time	Night Time
1	Noise Level				06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	62.6		75	70
					65	55
	Leq-Night	dB(A)	49.5		55	45
					50	40

****End of Report****

Dr. D. R. SHARMA
Genl Manager (Q&T)

Authorised Signatory

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Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230619054
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	16/06/2023 to 17/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	26/06/2023
Sampling Location:	Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	61.9		75	70
	Leq-Night	dB(A)	46.8		65	55
					55	45
					50	40

****End of Report****

Dr. D. R. SHARMA
Gen. Manager (Q&T)

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:

M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)

Contract No:

GEMC-511687709317073

Project Location:

DND-GPC, Dandewala

Sample Description:

Ambient Noise Quality Monitoring

Date of Sampling:

04/07/2022-05/07/2022

Sampling Location:

Near Main Gate

Report No. AAL/OIL/RAJ-20220707028

Date of Receiving: 07/07/2022

Date of Starting: 07/07/2022

Date of Completion: 11/07/2022

Date of Reporting: 11/07/2022

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement		
				Limits as per CPCB norms in dB(A) Leq	Day Time	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	61.8	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	49.4	C: Residential Area	55	45
				D: Silence Zone	50	40

End of Report

Amlash Kumar
(SR ANALYST)
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited
Rajasthan Project, Oil House, 2-A Dist.
Shopping Center, Sarawati Nahar, Basni,
Jodhpur-342005 (Rajasthan)

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Dandewala

Sample Description: Ambient Noise Quality Monitoring

Date of Sampling: 04/07/2022-05/07/2022

Sampling Location: Near Production Office

Report No. AAL/OIL/RAJ-20220707029

Date of Receiving: 07/07/2022

Date of Starting: 07/07/2022

Date of Completion: 11/07/2022

Date of Reporting: 11/07/2022

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement	
				Limits as per CPCB norms in dB(A) Leq Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level			Category of Area / Zone	
	Leq-Day	dB(A)	62.2	A: Industrial Area	75
				B: Commercial Area	65
	Leq-Night	dB(A)	54.9	C: Residential Area	55
				D: Silence Zone	50

****End of Report****

Amlesh Kumar
(SR ANALYST)
Authorised Signatory

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Report No. AAL /OIL/RAJ-20220707030

Date of Receiving: 07/07/2022

Date of Starting: 07/07/2022

Date of Completion: 11/07/2022

Date of Reporting: 11/07/2022

Weather Condition: Sunny

Sampling Done By: AAL

Contract No:

GEMC-511687709317073

Project Location:

DND-GPC, Dandewala

Sample Description:

Ambient Noise Quality Monitoring

Date of Sampling:

04/07/2022-05/07/2022

Sampling Location:

Near MMC Area

S. No.	Test Parameter	Unit	Results	Requirement		
				Limits as per CPCB norms in dB(A)	Leq Day Time	Leq Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
				A: Industrial Area	75	70
	Leq-Day	dB(A)	58.9	B: Commercial Area	65	55
				C: Residential Area	55	45
	Leq-Night	dB(A)	51.5	D: Silence Zone	50	40

End of Report

Amlesh Kumar
(SR ANALYST)
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230817043
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	64.3		75	70
					65	55
	Leq-Night	dB(A)	52.4		55	45
					50	40
					D: Silence Zone	
					End of Report	


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230817044
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near Service Building	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	59.2		75	70
					65	55
	Leq-Night	dB(A)	47.8		55	45
					50	40

End of Report


ASHUTOSH SRIVASTAVA
Deputy Technical Manager

Authorised Signatory

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Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)	Report No.	AAL ENV-20230817045
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	15/08/2023 to 16/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	DND-GPC, Production Installation, Dandewala	Date of Reporting:	24/08/2023
Sampling Location:	Near MCC Area	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	65.9		75	70
					65	55
	Leq-Night	dB(A)	52.7		55	45
					50	40

****End of Report****


ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Ltd
Rajasthan Project, Oil House, 2-A,
Dist. Shopping Centre, Saraswati Nagar,
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Ambient Noise Quality Monitoring

Date of Sampling: 17/09/2023 to 18/09/2023

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Production Installation, Dandewala

Sampling Location: Near Main Gate

Report No. AAL ENV-20230920034

Date of Receiving: 20/09/2023

Date of Starting: 20/09/2023

Date of Completion: 27/09/2023

Date of Reporting: 27/09/2023

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement	
				Limits as per CPCB norms in dB(A) Leq	
1	Noise Level			Day Time	Night Time
				06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	61.4	A: Industrial Area 75	70
	Leq-Night	dB(A)	49.5	B: Commercial Area 65 C: Residential Area 55 D: Silence Zone 50	55 45 40

****End of Report****

Ashutosh Srivastava
ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Ltd
Rajasthan Project, Oil House, 2-A,
Dist. Shopping Centre, Saraswati Nagar,
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Ambient Noise Quality Monitoring

Date of Sampling: 17/09/2023 to 18/09/2023

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Production Installation, Dandewala

Sampling Location: Near Service Building

Report No. AAL ENV-20230920035

Date of Receiving: 20/09/2023

Date of Starting: 20/09/2023

Date of Completion: 27/09/2023

Date of Reporting: 27/09/2023

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	60.3		75	70
	Leq-Night	dB(A)	52.4		65	55
					55	45
					50	40

****End of Report****

Ashutosh Srivastava

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Ltd
Rajasthan Project, Oil House, 2-A,
Dist. Shopping Centre, Saraswati Nagar,
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Ambient Noise Quality Monitoring

Date of Sampling: 17/09/2023 to 18/09/2023

Contract No: GEMC-511687709317073

Project Location: DND-GPC, Production Installation, Dandewala

Sampling Location: Near MCC Area

Report No. AAL ENV-20230920036

Date of Receiving: 20/09/2023

Date of Starting: 20/09/2023

Date of Completion: 27/09/2023

Date of Reporting: 27/09/2023

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	63.4		75	70
	Leq-Night	dB(A)	50.6		65	55
					55	45
					50	40

End of Report

Ashutosh Srivastava
ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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