

**राजस्थान क्षेत्र**

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

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जी.एस.टी.नं. : 08AAACO2352C1ZX  
सी.आई.एन. : L11101AS1959GO1001148

**ऑयल इंडिया लिमिटेड**

(भारत सरकार का उद्यम)

**Oil India Limited**

(A Government of India Enterprise)

**Rajasthan Field**

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

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GST No. : 08AAACO2352C1ZX  
CIN : L11101AS1959GO1001148

**Ref.No. RF/S&E/E-7/080/2024****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,  
Jaipur 302004**

**Sub: Six monthly compliance report for 20 Development Wells at Baghewala ML Block Tehsil Pokhran, District Jaisalmer, Rajasthan by M/s Oil India limited - Environmental Clearance reg.**

**Ref: F. No. J-11011/325/2013- IA-II (I) Dated 30.09.2016**

With reference to above, please find enclosed herewith the six-monthly compliance report of environmental clearance (**20 Development Wells at Baghewala ML Block**) for the period 31.03.2023 to 30.09.2023 in the prescribed format.

2.0 Hope the above is in order, please.

Thanking you.

Yours Faithfully,  
**OIL INDIA LIMITED**

(Siddharth Singh)  
Chief Engineer (FS)

**For Dy. General Manager (ES & HSE)  
For Executive Director (RF)**

Enclosed: as above

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

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



**Six Monthly Compliance Report of Environmental Clearance of (20) Developmental wells at Baghewala Mining Lease block.**

**EC letter no. F.No. J-11011/325/2013-IA-II(I) dated 30<sup>th</sup> September,2016**

**Period of compliance: From 31.03.2023 to 30.09.2023**

**A. Specific Conditions:**

i)	Gas produced during testing shall be flared with appropriate flaring booms. The flare system shall be designed as per good oil field practices and Oil Industry Safety Directorate (OISD) guidelines. The stack height shall be provided as per the regulatory requirements and emissions from stacks will meet the MOEF/CPCB guidelines.	Flare booms are provided for gas flaring during production testing as per OISD guidelines wherever required. All MOEF/CPCB guidelines are followed.
ii)	Ambient air quality shall be monitored near human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16th November, 2009 for PM10 , PM2.5, SO2, NOX, CO, CH4,HC, Non-Methane HC etc.	Complied. Ambient air quality of the nearby area is regularly monitored as per NAAQ emission standards. <b>Enclosed as Annexure I</b>
iii)	Mercury shall also be analysed in air, water and drill cuttings twice during drilling period.	Complied. Mercury is regularly analysed in drill cuttings & drill cutting waste. <b>Enclosed as Annexure II</b>
iv)	Approach road shall be made pucca to minimize generation of suspended dust.	Complied. Hard standing of approach road is done with morrum to minimize generation of suspended dust.
v)	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. DG sets are provided with acoustic enclosures & provided with proper stack height as per CPCB guidelines. <b>Enclosed as Annexure III</b>
vi)	Total water requirement from IGL Canal shall not exceed 35m <sup>3</sup> /day/Well and prior permission shall be obtained from the Competent Authority.	Complied. Ensured that the consumption is below 35m <sup>3</sup> /day/Well. Agreement between OIL & IGNP exists for withdrawal of water. <b>Enclosed as Annexure IV</b>
vii)	The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Complied. Garland drains are constructed all around the drilling site. Water Based Mud (WBM) (non-toxic/non-hazardous) was used. Wastewater was collected in effluent pit and being treated to conform to CPCB standards.
viii)	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	Complied. Drilling wastewater and drill cuttings wash water are collected in HDPE lined waste pit which is evaporated and treated as per standards. Drill cuttings are collected in cuttings pit and tested. TSDF membership obtained. (Ref No.

	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.	REEL/BWMP/BLTR/2011-12/006)  <b>Enclosed as Annexure V</b>
ix)	No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies.	Complied. Wastewater collected in effluent pit and being treated in effluent treatment plant.
x)	Produced water shall be treated in ETP. Treated produced water shall be disposed off as per CPCB/MoEF guidelines.	Complied. Produced water is disposed off as per CPCB/MoEF guidelines.
xi)	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 were provided for the disposal of domestic sewage at drilling site.
xii)	Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	No oily sludge was generated whereas the mud was Water Based used for drilling. However, amount of used lube oil collected from Generator Set and Prime Movers was sent to 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. are provided in the Emergency response plan.
xiii)	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 <sup>th</sup> August 2005.	Water Based Mud was(non-toxic/non-hazards) used during drilling and the drill cuttings were separated out on an impervious 300gsm thick HDPE lined effluent pit with secured fencing at site as per GSR.546(E) dated 30 <sup>th</sup> August,2005. The same got dried up due to natural evaporation in ambient environment. <b>Enclosed as Annexure II</b>
xiv)	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 were declared no smoking zone. Fire water storage facilities, Fire engines, Fire Hydrant line, Fire hoses, Portable Fire extinguishers etc. were provided at site to take care of any fire incident. Garland drain was constructed all around drilling site to prevent runoff of any oil containing waste into nearby water bodies. A temporary flare stack was installed at the time of drilling as per OMR guidelines.
xv)	The company shall develop a contingency plan for H <sub>2</sub> S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H <sub>2</sub> S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	OIL never encountered H <sub>2</sub> S while drilling. However, portable gas monitoring systems with self-contained breathing apparatus sets were made available during drilling. First aid facility with Doctor & ambulance service was made available at site round the clock.

xvi)	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and its Regional Office at Bhopal.	Normally in Hydrocarbon-Exploration Business the subsidence study is not required, like open cast mine. Hydrocarbon is produced from 1180m-1200m depth from hydrocarbon bearing zones of average thickness 15m – 20m.
xvii)	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 was installed to prevent well blowouts during drilling operations.
xviii)	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS, and Govt of India.	Complied. Emergency Response Plan prepared based on Guidelines of OISD, DGMS and Govt. of India.
xix)	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 are Abandoned under this EC during 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.
xx)	All the commitments made to the public during public hearing/public consultation meeting held on 15 <sup>th</sup> July, 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Being Complied. 1.Free Eye Camp 2.Free Homeopathic camps in Baghewala 3.Donation of student furniture to the Govt Sr. Secondary School & Primary School Tawariwala 4. Infrastructure development for smart classroom in five government schools in Baghewala.
xxi)	At least 1% of the total cost of the project shall be earmarked towards the Enterprises Social Commitment based on Public Hearing Issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry’s Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	OIL has been providing adequate funds in and around the project site under CSR scheme.
xxii)	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 and periodic health surveillance of the workers were monitored regularly as per guidelines of OMR 2017 & OISD standards.
xxiii)	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the	No, restoration under this EC during compliance period. Restoration of project sites will be carried out as per



	Ministry's Regional office.	Site Restoration/Reclamation guidelines of the company and report for the same will be sent to the Ministry's Regional office.
xxiv)	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) was used in the wells and recycled during entire operation. No synthetic Oil Base Mud was used.
xxv)	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 are carried out periodically to ensure that Environment Management plan is implemented.
xxvi)	Company shall have own Environment Management Cell having qualified persons with proper background.	Company has Environment Management Cell under HSE department at FHQ, Duliajan.
xxvii)	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. Remote monitoring of site should be done.	Complied.  Company has its own Safe Operating Procedure (SOP) manual for all its activities. Blow Out Prevention Manual Emergency Response Plan including well control Manual have been prepared and kept at each drill site during operation. Awareness training on health safety and environment are conducted periodically for all staffs.
xxviii)	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	All the drilled wells are in secured at sites. Wells are abandoned by following regulatory requirements of OMR 2017 and OISD guidelines. No well has been abandoned against this EC during this compliance period. The information of the same has been given to Directorate General of Mines Safety (DGMS).

**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 modifications in the plant 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 for compliance.
iii	The location of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations in installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Ambient air quality of the nearby area is regularly monitored as per NAAQ emission standards.

		<b>Enclosed as Annexure I</b>
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009 shall be followed.	Complied. Ambient air quality of the nearby area is regularly monitored as per NAAQ emission standards.
v	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc on all sources of noise generation .The ambient noise levels shall conform to the standards prescribed under Environmental Protection Act,1986 Rules 1989 viz 75 dBA (day time) and 70 dBA (Night time)	All the high noise generating equipment's are provided with acoustic enclosures, silencers etc. Earplugs/Earmuffs were used by workers during drilling operation. <b>Enclosed as Annexure III</b>
vi	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Very seldom, it rains in desert area. Strict control was exercised for judicious use of water at drilling well-site.
vii	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied. Moreover, MSDS was made available in English as well as local language at site to apprise the chemical workers to handle hazardous chemical safety. Initial Medical Examination & Periodical Medical Examination done as per standards.
viii	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management risk mitigation measures and public hearing relating to the project shall be implemented.	Complied. The environmental protection measures and safeguards recommended in EIA-EMP & risk mitigation measures are being implemented during project.
ix	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied with the requirements. Action initiated under Company's CSR Scheme. Details mentioned at pt. no. XX of specific conditions.
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Being complied as per Company's CSR Policy. Details mentioned at pt. no. XX of specific conditions.
xi	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 are provided by OIL's Chemical department. In addition, NABL laboratory as third party is also engaged to carry out the environmental monitoring requirements as per the RSPCB approved environmental monitoring plan.

xii	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Being compiled.
xiii	A copy of clearance letter shall be sent by the project proponent to concerned Panchayat/Zila Parishad /Municipal corporation, Urban Local body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Being compiled and copy of Environment clearance is submitted to Panchayat, District Collector office, RSPCB No suggestion or representations from any local bodies were received in the said EC compliance reporting period.
xiv	The project proponent shall also submit six monthly reports of compliance of the stipulated environment clearance conditions, including results of monitored data (both in hard copies as well as by e-mail) to the respective regional office of the MOEF, the respective Zonal office of CPCB and the RSPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Six-monthly EC compliance reports are submitted regularly to various regulatory authorities such as RSPCB and MoEF&CC regional office on regular basis.
xv.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 (Form-V) for each financial year ending 31 <sup>st</sup> March is being submitted to RSPCB. <b>Enclosed as Annexure VI.</b>
xvi	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 <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied.  Details of Environmental Clearance were published in local newspaper.
xvii	The Project authorities shall inform the regional office as well as Ministry, the date of financial closure and final closure approval of the project by the concerned authorities and the date of start of the project.	Wells covered under this EC are drilled in phase wise manner. The financial closure will be communicated once all wells are drilled under this EC.
xviii	The Ministry may revoke or suspend the clearance, if implementation of any the above conditions is not satisfactory.	Noted. All conditions shall be implemented to the satisfactory requirements.





# ARIHANT ANALYTICAL LABORATORY PVT. LTD.

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

272, Phase-IV, Sec-57, HSIDC, 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)	Report No.	AAL ENV-20230327001
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	20/03/2023-21/03/2023	Date of Reporting:	31/03/2023
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 <sub>10</sub>	µg/m <sup>3</sup>	69.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	35.6	60	CPCB Guideline/Gravimetric/
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	9.8	80	(AAL/SOP/ENV/002)
4	Oxide of Nitrogen (as NO <sub>x</sub> )	µg/m <sup>3</sup>	20.2	80	IS-5182 (P-2)-2001
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-6)-2006
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	100(8hr)/180(1hr)	IS-5182(P-10)-1999
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	400	Reaff. 2003
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-9)-1999/
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	Photometric
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	Indi-Phenol Blue Method
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	IS-5182(P-22)-2004
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	NIOSH 6015-2005
13	Mercury (as Hg)	µg/m <sup>3</sup>	BDL (DL=0.001)	NS	CPCB/GC Method
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	By Air APHA
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\*\***

Amish 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 nor implied.  
2. Total liability of our laboratory is limited to the invoice amount.  
3. This report shall not be reproduced wholly or in part without written consent of the laboratory.  
4. This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.  
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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**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:** RBBL-H, Baghewala

**Sample Description:** Ambient Air Quality Monitoring

**Date of Sampling:** 20/03/2023-21/03/2023

**Sampling Location:** Near Doctor Room

**Report No.** AAL ENV-20230327002

**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 <sub>10</sub>	µg/m <sup>3</sup>	54.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	32.6	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	8.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	21.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.70	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=0.5)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

**\*\*End of Report\*\***

**Amish Kumar**  
(SR. ANALYST)  
Authorised Signatory

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Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230327013
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	BGW # 08, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	21/03/2023 to 22/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Near Main Gate of site	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 <sub>10</sub>	µg/m <sup>3</sup>	63.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	35.6	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	23.8	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.3	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
Arun Kumar  
(SR. ANALYST)  
Authorised Signatory

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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, Saraswati Nagar, Basni,  
Jodhpur-342005 (Rajasthan)  
**Contract No:** GEMC-511687709317073  
**Project Location:** BGW # 08, Bagheewala  
**Sample Description:** Ambient Air Quality Monitoring  
**Date of Sampling:** 21/03/2023 to 22/03/2023  
**Sampling Location:** Near Boiler Area

**Report No.** AAL ENV-20230327014

**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 <sub>10</sub>	µg/m <sup>3</sup>	59.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.5	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	36.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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	1.7	NS	IS-5182 (P-17)-1979 Reaff. 2003

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**\*\*End of Report\*\***

Amitesh 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)

**Contract No:** GEMC-511687709317073

**Project Location:** RBBL-H, Baghwala

**Sample Description:** Ambient Air Quality Monitoring

**Date of Sampling:** 20/03/2023-21/03/2023

**Sampling Location:** Near Welding work shop area

**Report No.** AAL ENV-20230327003

**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 <sub>10</sub>	µg/m <sup>3</sup>	72.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	31.6	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.6	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	35.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
Anil Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230327004
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	20/03/2023-21/03/2023	Date of Reporting:	31/03/2023
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 Day Time Night Time
1	Noise Level			
	Leq-Day	dB(A)	62.4	A: Industrial Area 75 B: Commercial Area 65 C: Residential Area 55 D: Silence Zone 50
	Leq-Night	dB(A)	47.8	10:00PM-06:00AM 70 55 45 40

**\*\*End of Report\*\***

Amish Kumar  
(SR. ANALYST)  
Authorised Signatory

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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, Saraswati Nagar, Basni,  
Jodhpur-342005 (Rajasthan)  
**Contract No:** GEMC-511687709317073  
**Project Location:** BGW # 08, Baghewala  
**Sample Description:** Ambient Air Quality Monitoring  
**Date of Sampling:** 21/03/2023 to 22/03/2023  
**Sampling Location:** Field Area

**Report No.** AAL ENV-20230327015

**Date of Receiving:** 27/03/2023

**Date of Starting:** 27/03/2023

**Date of Completion:** 31/03/2023

**Date of Reporting:** 31/03/2023

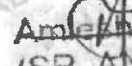
**Weather Condition:** Sunny

**Sampling Done By:** AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines Volume-I	Test Methods
1	Particulate Matter, PM <sub>10</sub>	µg/m <sup>3</sup>	75.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.2	60	CPCB Guideline/Gravimetric/
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.6	80	(AAL/SOP/ENV/002)
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	30.8	80	IS-5182 (P-2)-2001
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.5	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	100(8hr)/180(1hr)	Reaff. 2003
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-9)-1999/ Photometric
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	Indi-Phenol Blue Method
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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	2.5	NS	Reaff. 2003

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

**\*\*End of Report\*\***

  
**Anil Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230327016
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	BGW # 08, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	21/03/2023 to 22/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement
1	Noise Level	dB(A)	61.4	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
				A: Industrial Area 75 70
			55.3	B: Commercial Area 65 55
				C: Residential Area 55 45
	Leq-Day			D: Silence Zone 50 40
	Leq-Night			

**\*\*End of Report\*\***

Amlesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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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-20230327038
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	RBBT, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	24/03/2023 to 25/03/2023	Date of Reporting:	31/03/2023
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 <sub>10</sub>	µg/m <sup>3</sup>	57.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.3	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	9.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	26.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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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(SR. ANALYST)  
Authorised Signatory

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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)

**Contract No:** GEMC-511687709317073

**Project Location:** RBBT, Baghewala

**Sample Description:** Ambient Air Quality Monitoring

**Date of Sampling:** 24/03/2023 to 25/03/2023

**Sampling Location:** Near RO Office

**Report No.** AAL ENV-20230327039

**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 <sub>10</sub>	µg/m <sup>3</sup>	57.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	28.6	60	CPCB Guideline/Gravimetric/
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	9.3	80	(AAL/SOP/ENV/002)
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	18.4	80	IS-5182 (P-2)-2001
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.60	2 (8hr)/4 (1hr)	IS-5182(P-6)-2006
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-10)-1999
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Reaff. 2003
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-9)-1999/
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	Photometric
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	Indi-Phenol Blue Method
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	IS-5182(P-22)-2004
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
Animesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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# ARIHANT ANALYTICAL LABORATORY PVT. LTD.

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

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

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

Website : www.aalkundli.com

## TEST CERTIFICATE

Page 1 of 1

**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:** Drill Cutting

**Sampling Site:** RBBQ, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230920001

**Date of Receiving:** 20/09/2023

**Date of Starting:** 20/09/2023

**Date of Completion:** 27/09/2023

**Date of Reporting:** 27/09/2023

**Sample Qty.:** 500gm

**Sample Collected By:** AAL

## TEST RESULT

**S. No.** **Test Parameter**

**Unit**

**Results**

**Test Methods**

1 Mercury (as Hg)

mg/kg

<0.001

USEPA-3050 B

**\*\*End of Report\*\***



*Ashutosh Srivastava*  
**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)

**Sample Description:** Drill Fluid  
**Sampling Site:** RBBQ, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230920002

**Date of Receiving:** 20/09/2023

**Date of Starting:** 20/09/2023

**Date of Completion:** 27/09/2023

**Date of Reporting:** 27/09/2023

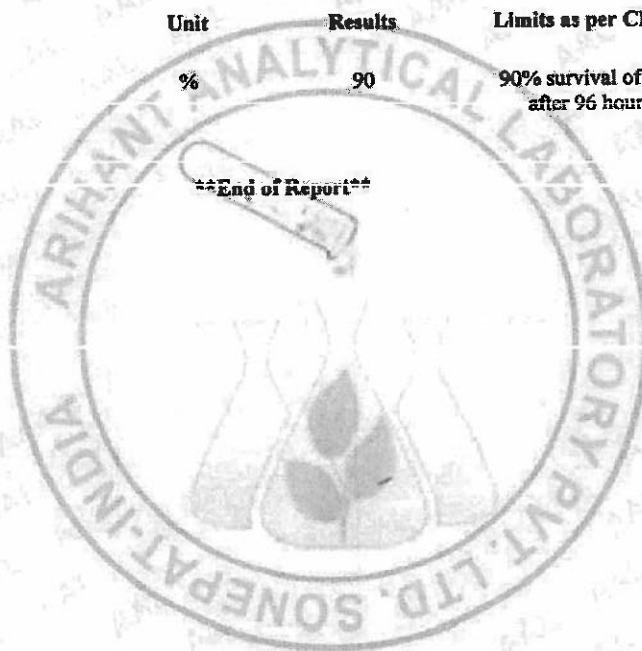
**Sample Qty.:** 1 Litre

**Sample Collected By:** AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

\*\*\*End of Report\*\*\*



*Ashutosh Srivastava*  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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

**Sample Description:** Drill Cutting

**Sampling Site:** RBBL-H, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230421001

**Date of Receiving:** 21/04/2023

**Date of Starting:** 21/04/2023

**Date of Completion:** 25/04/2023

**Date of Reporting:** 25/04/2023

**Sample Qty.:** 500gm

**Sample Collected By:** AAL

## TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



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

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Report No.	AAL MIS-20230421002
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:	Drill Cutting
Sampling Site:	RBBT, Baghewala
Contract No.	GEMC-511687709317073
Date of Receiving:	21/04/2023
Date of Starting:	21/04/2023
Date of Completion:	25/04/2023
Date of Reporting:	25/04/2023
Sample Qty.:	500gm
Sample Collected By:	AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



**Dr. D. R. SHARMA**  
Gen. 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 MIS-20230421003
Sample Description:	Drill Fluid	Date of Receiving:	21/04/2023
Sampling Site:	RBBL-H, Baghewala	Date of Starting:	21/04/2023
Contract No.	GEMC-511687709317073	Date of Completion:	25/04/2023
		Date of Reporting:	25/04/2023
		Sample Qty.:	1 Litre
		Sample Collected By:	AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***



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

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Report No.	AAL MIS-20230421004
Issued To:	M/s Oil India Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur - 342 005 (Rajasthan)
Date of Receiving:	21/04/2023
Date of Starting:	21/04/2023
Sample Description:	Drill Fluid
Date of Completion:	25/04/2023
Sampling Site:	RBBT, Baghewala
Date of Reporting:	25/04/2023
Sample Qty.:	1 Litre
Contract No.	GEMC-511687709317073
Sample Collected By:	AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***

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

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## TEST CERTIFICATE

### 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-20230327042
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	RBBT, Baghewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	24/03/2023 to 25/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Near RO 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	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	54.9	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	44.7	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

  
Anil Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230327043

Contract No:

GEMC-511687709317073

Date of Receiving: 27/03/2023

Project Location:

RBBT, Baghewala

Date of Starting: 27/03/2023

Sample Description:

Ambient Air Quality Monitoring

Date of Completion: 31/03/2023

Date of Sampling:

24/03/2023 to 25/03/2023

Date of Reporting: 31/03/2023

Sampling Location:

Back Side of Drilling Site

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)	53.7	A: Industrial Area 75	70
	Leq-Night	dB(A)	44.1	B: Commercial Area 65 C: Residential Area 55 D: Silence Zone 50	55 45 40

**\*\*End of Report\*\***

Amit Kumar  
(SR. ANALYST)  
Authorised Signatory

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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, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421027
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	BGW # 08, Baghewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	17/04/2023 to 18/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Field 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 <sub>10</sub>	µg/m <sup>3</sup>	71.6	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.6	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
**Anil Kumar**  
(SR. ANALYST)  
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-20230522008
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	15/05/2023 to 16/05/2023	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 <sub>10</sub>	µg/m <sup>3</sup>	82.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.2	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=0.05)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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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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)

Report No. AAL ENV-20230522009

Contract No:

GEMC-511687709317073

Project Location:

RBBL-H, Baghewala

Sample Description:

Ambient Air Quality Monitoring

Date of Sampling:

15/05/2023 to 16/05/2023

Sampling Location:

Near Doctor Room

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 <sub>10</sub>	µg/m <sup>3</sup>	65.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.1	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.85	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=10.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

**\*\*End of Report\*\***

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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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-20230522010
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	15/05/2023 to 16/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Welding work shop 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 <sub>10</sub>	µg/m <sup>3</sup>	89.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.9	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.3	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	34.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

**\*\*End of Report\*\***

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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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, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522018
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	16/05/2023 to 17/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Main Gate of site	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 <sub>10</sub>	µg/m <sup>3</sup>	65.7	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	37.8	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	9.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24.8	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.5	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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&E)

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, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522019
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	16/05/2023 to 17/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Boiler 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 <sub>10</sub>	µg/m <sup>3</sup>	72.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.7	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	32.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.4	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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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**\*\*End of Report\*\***

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

Authorised Signatory

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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, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522020
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	16/05/2023 to 17/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Field 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 <sub>10</sub>	µg/m <sup>3</sup>	78.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.2	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.6	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	29.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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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**\*\*End of Report\*\***

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

Authorised Signatory

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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-20230522027
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 14, Workover, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	17/05/2023 to 18/05/2023	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 <sub>10</sub>	µg/m <sup>3</sup>	76.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	40.1	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	29.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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. A. SHARMA**  
Gen. Manager  
Authorised Signatory

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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)

**Contract No:** GEMC-511687709317073

**Project Location:** BGW # 14, Workover, Baghewala

**Sample Description:** Ambient Air Quality Monitoring

**Date of Sampling:** 17/05/2023 to 18/05/2023

**Sampling Location:** Near First Aid Room

**Report No.** AAL ENV-20230522028

**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 <sub>10</sub>	µg/m <sup>3</sup>	65.2	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	37.3	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.85	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

**\*\*End of Report\*\***

**Dr. D. R. SHARMA**  
Gen. Manager (C&I)  
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-20230522029
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 14, Workover, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	17/05/2023 to 18/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near DG 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 <sub>10</sub>	µg/m <sup>3</sup>	72.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.4	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	19.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.95	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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 Ltd Rajasthan Project, Oil House, 2-A, Dist. Shopping Centre, Saraswati Nagar, Basni, Jodhpur -- 342 005 (Rajasthan)	Report No.	AAL ENV-20230619008
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	12/06/2023 to 13/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBBW, Baghewala	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 <sub>10</sub>	µg/m <sup>3</sup>	82.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.6	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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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-20230619009
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	12/06/2023 to 13/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBBW, Bagbewala	Date of Reporting:	26/06/2023
Sampling Location:	Near RO Banks	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 <sub>10</sub>	µg/m <sup>3</sup>	74.9	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.4	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	26.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.85	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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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)

Sample Description: Ambient Air Quality Monitoring

Date of Sampling: 12/06/2023 to 13/06/2023

Contract No: GEMC-511687709317073

Project Location: RBBW, Baghewala

Sampling Location: Near D G Area (PCR)

Report No. AAL ENV-20230619010

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

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 <sub>10</sub>	µg/m <sup>3</sup>	72.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.2	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	9.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	23.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.65	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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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-20230619022
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	13/06/2023 to 14/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW # 8, Production Installation, Baghewala	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 <sub>10</sub>	µg/m <sup>3</sup>	84.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	47.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	32.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.3	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=22.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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## TEST CERTIFICATE

### 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-20230619023
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	13/06/2023 to 14/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near Boiler 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 <sub>10</sub>	µg/m <sup>3</sup>	78.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.6	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.6	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	31.4	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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 (QA/QC)

Authorised Signatory

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Website : www.aalkundli.com

## TEST CERTIFICATE

### 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-20230619024
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	13/06/2023 to 14/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Field 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 <sub>10</sub>	µg/m <sup>3</sup>	82.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	46.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	30.1	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

### 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: 14/06/2023 to 15/06/2023

Contract No: GEMC-511687709317073

Project Location: RBCA, Baghewala

Sampling Location: Near Main Gate

Report No. AAL ENV-20230619030

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

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 <sub>10</sub>	µg/m <sup>3</sup>	84.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.5	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	27.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

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

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230619031
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	14/06/2023 to 15/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBCA, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near D S 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 <sub>10</sub>	µg/m <sup>3</sup>	72.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	40.4	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	27.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.95	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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 (Q&T)

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-20230619032
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	14/06/2023 to 15/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBCA, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near ASEP 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 <sub>10</sub>	µg/m <sup>3</sup>	84.9	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.7	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	30.8	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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)

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## TEST CERTIFICATE

### 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-20230619040
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	15/06/2023 to 16/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW#19, Workover, Bagheewala	Date of Reporting:	26/06/2023
Sampling Location:	Near T.P. 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 <sub>10</sub>	µg/m <sup>3</sup>	84.1	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.6	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.7	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	31.9	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=25.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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	1.5	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 (P&T)

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230619041
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	15/06/2023 to 16/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW#19, Workover, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near First Aid 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 <sub>10</sub>	µg/m <sup>3</sup>	74.1	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.4	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	29.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.95	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230619042
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	15/06/2023 to 16/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW#19, Workover, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near DG 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 <sub>10</sub>	µg/m <sup>3</sup>	86.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	44.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.4	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	32.8	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=10.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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 (Q&T)

Authorised Signatory

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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, Saraswati Nagar, Basni,  
Jodhpur-342005 (Rajasthan)  
Contract No: GEMC-511687709317073  
Project Location: OSBB/SBGW-01, Nokh  
Sample Description: Ambient Air Quality Monitoring  
Date of Sampling: 02/07/2022-03/07/2022  
Sampling Location: Near Main Gate

Report No. AAL/OIL/RAJ-20220707001

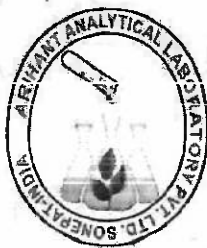
Date of Receiving: 07/07/2022  
Date of Starting: 07/07/2022  
Date of Completion: 11/07/2022  
Date of Reporting: 11/07/2022  
Weather Condition: Sunny  
Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-I	
1	Particulate Matter, PM <sub>10</sub>	µg/m <sup>3</sup>	82.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.7	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	32.8	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.9	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	22.5 (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

\*\*End of Report\*\*

Amlesh Kumar  
(SR. ANALYST)



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## TEST CERTIFICATE

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Issued To: M/s Oil India Limited  
Rajasthan Project, Oil House, 2-A Dist.  
Shopping Center, Saraswati Nagar, Basni,  
Jodhpur-342005 (Rajasthan)  
Contract No: GEMC-511687709317073  
Project Location: OSBB/SBGW-01, Nokh  
Sample Description: Ambient Air Quality Monitoring  
Date of Sampling: 02/07/2022-03/07/2022  
Sampling Location: Back Side of site

Report No. AAL/OIL/RAJ-20220707002

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	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volume-1	
1	Particulate Matter, PM <sub>10</sub>	µg/m <sup>3</sup>	77.4	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	39.3	60	CPCB Guideline/Gravimetric/
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.8	80	(AAL/SOP/ENV/002)
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.5	80	IS-5182 (P-2)-2001
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.6	2 (8hr)/4 (1hr)	IS-5182(P-6)-2006
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	22.5 (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-10)-1999
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Reaff. 2003
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-9)-1999/ Photometric
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	Indi-Phenol Blue Method
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	IS-5182(P-22)-2004
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	NIOSH 6015-2005
13	Mercury (as Hg)	µg/m <sup>3</sup>	BDL (DL=0.001)	NS	CPCB/GC Method
14	Hydrocarbon (as Methane)	ppm	BDL (DL=1.0)	NS	By Air APHA
15	Hydrocarbon (as Non Methane)	ppm	1.5 (DL=1.0)	NS	IS-5182 (P-17)-1979

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

**\*\*End of Report\*\***

**Amlesh Kumar**  
**(SR. ANALYST)**



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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, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL/OIL/RAJ-20220707003
Contract No:	GEMC-511687709317073	Date of Receiving:	07/07/2022
Project Location:	OSBB/SBGW-01, Nokh	Date of Starting:	07/07/2022
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	11/07/2022
Date of Sampling:	02/07/2022-03/07/2022	Date of Reporting:	11/07/2022
Sampling Location:	Near Installation Manager Office	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limits NAAQS Monitoring & Analysis Guidelines	Test Methods
				Volumetric	
1	Particulate Matter, PM <sub>10</sub>	µg/m <sup>3</sup>	72.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	41.7	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	29.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.60	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	22.5 (DL=20.0)	100(8hr)/180(1hr)	Reaff. 2003 IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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 (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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### 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:** 11/08/2023 to 12/08/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW#26, Workover, Baghewala

**Sampling Location:** Near T.P. Office

**Report No.** AAL ENV-20230817001

**Date of Receiving:** 17/08/2023

**Date of Starting:** 17/08/2023

**Date of Completion:** 24/08/2023

**Date of Reporting:** 24/08/2023

**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 <sub>10</sub>	µg/m <sup>3</sup>	81.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.5	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	13.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28.1	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
**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-20230817002
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	11/08/2023 to 12/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	BGW#26, Workover, Baghewala	Date of Reporting:	24/08/2023
Sampling Location:	Near First Aid 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 <sub>10</sub>	µg/m <sup>3</sup>	76.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	40.5	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	27.7	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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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## TEST CERTIFICATE

### 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: 11/08/2023 to 12/08/2023

Contract No: GEMC-511687709317073

Project Location: BGW#26, Workover, Baghewala

Sampling Location: Near DG Area

Report No. AAL ENV-20230817003

Date of Receiving: 17/08/2023

Date of Starting: 17/08/2023

Date of Completion: 24/08/2023

Date of Reporting: 24/08/2023


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 <sub>10</sub>	µg/m <sup>3</sup>	87.8	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.2	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	14.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	30.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.1	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

  
ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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

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## TEST CERTIFICATE

### 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-20230920001
Sample Description:	Ambient Air Quality Monitoring	Date of Receiving:	20/09/2023
Date of Sampling:	13/09/2023 to 14/09/2023	Date of Starting:	20/09/2023
Contract No:	GEMC-511687709317073	Date of Completion:	27/09/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Reporting:	27/09/2023
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 <sub>10</sub>	µg/m <sup>3</sup>	83.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	40.7	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	10.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	26.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.0	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	23.5	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.5)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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\*\***

*Ashtosh Srivastava*  
ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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## TEST CERTIFICATE

### 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:** 13/09/2023 to 14/09/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW # 8, Production Installation, Baghewala

**Sampling Location:** Near Boiler Area

**Report No.** AAL ENV-20230920002

**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 <sub>10</sub>	µg/m <sup>3</sup>	76.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	38.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.7	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	34.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.2	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	24.3	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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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## TEST CERTIFICATE

### 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:** 13/09/2023 to 14/09/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW # 8, Production Installation, Bagheewala

**Sampling Location:** Field Area

**Report No.** AAL ENV-20230920003

**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 <sub>10</sub>	µg/m <sup>3</sup>	82.5	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.9	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	12.8	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	36.5	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	1.3	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	22.5	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=20.0)	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC (Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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	1.0	NS	IS-5182 (P-17)-1979

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

**\*\*End of Report\*\***

*Ashutosh Srivastava*  
ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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Website : www.aalkundli.com

## TEST CERTIFICATE

### 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)  
GEMC-511687709317073

Report No. AAL ENV-20230327005

Contract No:

Project Location:

Sample Description:

Date of Sampling:

Sampling Location:

RBBL-H, Baghewala  
Ambient Noise Quality Monitoring  
20/03/2023-21/03/2023  
Near Doctor Room

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	Requirement
1	Noise Level	dB(A)	61.3	Limits as per CPCB norms in dB(A) Leq
				Category of Area / Zone
	Leq-Day			Day Time
	Leq-Night			Night Time
				06:00AM-10:00PM
				10:00PM-06:00AM
				75
				65
				55
				50
				70
				55
				45
				40

\*\*End of Report\*\*

Amal Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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:** RBBL-H, Baghewala  
**Sample Description:** Ambient Air Quality Monitoring  
**Date of Sampling:** 20/03/2023-21/03/2023  
**Sampling Location:** Near Welding work shop area

**Report No.** AAL ENV-20230327006

**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	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)	60.1	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	51.3	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**Anil Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:

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

Report No. AAL ENV-20230327017

Contract No:

GEMC-511687709317073

Date of Receiving: 27/03/2023

Project Location:

BGW # 08, Baghewala

Date of Starting: 27/03/2023

Sample Description:

Ambient Noise Quality Monitoring

Date of Completion: 31/03/2023

Date of Sampling:

21/03/2023 to 22/03/2023

Date of Reporting: 31/03/2023

Sampling Location:

Near Boiler Area

Weather Condition: Sunny

Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement		
1	Noise Level			Limits as per CPCB norms in dB(A) Leq		
				Category of Area / Zone	Day Time	
					Night Time	
					06:00AM-10:00PM	10:00PM-06:00AM
						63.8
Leq-Day	dB(A)		B: Commercial Area	65	55	
		54.2	C: Residential Area	55	45	
Leq-Night	dB(A)		D: Silence Zone	50	40	

**\*\*End of Report\*\***

Amresh Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230327018
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	BGW # 08, Bagheewala	Date of Starting:	27/03/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	21/03/2023 to 22/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Field Area	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement
1	Noise Level	dB(A)	57.1	Limits as per CPCB norms in dB(A) Leq Category of Area / Zone Day Time Night Time
				06:00AM-10:00PM 10:00PM-06:00AM
	Leq-Day			75 70
	Leq-Night		48.3	65 55 50
				45 40

\*\*End of Report\*\*

Amlashi Kumar  
(SR. ANALYST)  
Authorised Signatory

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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-20230327040
Contract No:	GEMC-511687709317073	Date of Receiving:	27/03/2023
Project Location:	RBBT, Baghwala	Date of Starting:	27/03/2023
Sample Description:	Ambient Air Quality Monitoring	Date of Completion:	31/03/2023
Date of Sampling:	24/03/2023 to 25/03/2023	Date of Reporting:	31/03/2023
Sampling Location:	Back side of drilling site	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 <sub>10</sub>	µg/m <sup>3</sup>	45.3	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	25.3	60	CPCB Guideline/Gravimetric/ (AAL/SOP/ENV/002)
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	6.5	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	18.3	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.50	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999 Reaff. 2003
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	100(8hr)/180(1hr)	IS-5182(P-9)-1999/ Photometric
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	BDL (DL=30.0)	400	Indi-Phenol Blue Method
8	Lead (as Pb)	µg/m <sup>3</sup>	BDL (DL=0.1)	1	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/m <sup>3</sup>	BDL (DL=1.0)	20	IS-5182(P-22)-2004
10	Arsenic (as As)	ng/m <sup>3</sup>	BDL (DL=1.0)	6	IS-5182(P-22)-2004
11	VOC(Including the value of Benzene & Toluene)	µg/m <sup>3</sup>	BDL (DL=1.0)	5	NIOSH 6015-2005
12	Benzo a-pyrene (BaP)	ng/m <sup>3</sup>	BDL (DL=0.1)	1	CPCB/GC Method
13	Mercury (as Hg)	µg/m <sup>3</sup>	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

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

**\*\*End of Report\*\***

  
(SR. ANALYST)  
Authorised Signatory

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

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

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

Website : www.aalkundli.com

## TEST CERTIFICATE

### 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:** RBBT, Baghewala

**Sample Description:** Ambient Noise Quality Monitoring

**Date of Sampling:** 24/03/2023 to 25/03/2023

**Sampling Location:** Near Main Gate

**Report No.** AAL ENV-20230327041

**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	Requirement
1	Noise Level			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
	Leq-Day	dB(A)	63.2	A: Industrial Area 75
				B: Commercial Area 65
				C: Residential Area 55
				D: Silence Zone 50
	Leq-Night	dB(A)	47.3	

**\*\*End of Report\*\***

  
Anil Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

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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)

**Sample Description:** Drill Cutting  
**Sampling Site:** RBBL-H, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230327001

**Date of Receiving:** 27/03/2023

**Date of Starting:** 27/03/2023

**Date of Completion:** 31/03/2023

**Date of Reporting:** 31/03/2023

**Sample Qty.:** 500gm

**Sample Collected By:** AAL

## TEST RESULT

**S. No.** **Test Parameter**

1 Mercury (as Hg)

**Unit**

mg/kg

**Results**

<0.001

**Test Methods**

USEPA-3050 B

**\*\*End of Report\*\***



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

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

**Sample Description:** Drill Fluid  
**Sampling Site:** RBBL-H, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230327002

**Date of Receiving:** 27/03/2023

**Date of Starting:** 27/03/2023

**Date of Completion:** 31/03/2023

**Date of Reporting:** 31/03/2023

**Sample Qty.:** 1 Litre

**Sample Collected By:** AAL

## TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***

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

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Rajasthan Project, Oil House, 2-A,  
Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Drill Fluid

Sampling Site: RBBW, Baghewala

Contract No. GEMC-511687709317073

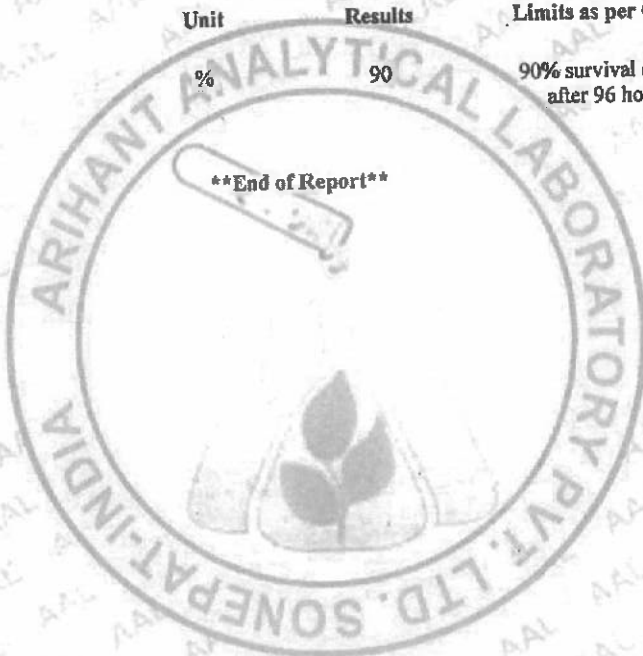
Report No. AAL MIS-20230619001

Date of Receiving: 19/06/2023  
Date of Starting: 19/06/2023  
Date of Completion: 26/06/2023  
Date of Reporting: 26/06/2023  
Sample Qty.: 1 Litre  
Sample Collected By: AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***



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

Authorised Signatory

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Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Drill Fluid

Sampling Site: RBCA, Baghewala

Contract No. GEMC-511687709317073

Report No. AAL MIS-20230619003

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

Sample Qty.: 1 Litre

Sample Collected By: AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***

Dr. D. R. SNARMA  
Gen. Manager (AET)

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Rajasthan Project, Oil House, 2-A,  
Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Drill Cutting

Sampling Site: RBBW, Baghewala

Contract No. GEMC-511687709317073

Report No. AAL MIS-20230619002

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

Sample Qty.: 500gm

Sample Collected By: AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



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

Authorised Signatory

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Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Drill Cutting

Sampling Site: RBCA, Baghewala

Contract No. GEMC-511687709317073

Report No. AAL MIS-20230619004

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

Sample Qty.: 500gm

Sample Collected By: AAL

## TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

Page 1 of 1

Report No. AAL/OIL/RAJ-20220707038

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

Date of Receiving: 07/07/2022

Date of Starting: 07/07/2022

Sample Description: Drill Fluid

Date of Completion: 11/07/2022

Sampling Site: OSBB/SBGW-01, Nokh

Date of Reporting: 11/07/2022

Contract No. GEMC-511687709317073

Sample Qty.: 1 Litre

Sample Collected By: AAL

## TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90% survival of fish after 96 hours	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***

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

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**Issued To:**

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Rajasthan Project, Oil House, 2-A,  
Dist. Shopping Centre, Saraswati Nagar, Basni,  
Jodhpur - 342 005 (Rajasthan)

**Sample Description:**

Drill Cutting

**Sampling Site:**

OSBB/SBGW-01, Nokh

**Report No.** AAI./OIL/RAJ-20220707039

**Date of Receiving:** 07/07/2022

**Date of Starting:** 07/07/2022

**Date of Completion:** 11/07/2022

**Date of Reporting:** 11/07/2022

**Sample Qty.:** 500gm

**Sample Collected By:** AAL

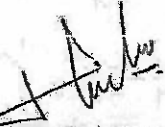
**Contract No.**

GEMC-511687709317073

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B
2	Oil Content	mg/kg	4.2	USEPA-3050 B

**\*\*End of Report\*\***

  
**Dr. D.R. SHARMA**  
Gen. 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)

**Sample Description:** Drill Cutting

**Sampling Site:** RBBH, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230817017

**Date of Receiving:** 17/08/2023  
**Date of Starting:** 17/08/2023  
**Date of Completion:** 24/08/2023  
**Date of Reporting:** 24/08/2023  
**Sample Qty.:** 500gm  
**Sample Collected By:** AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1.	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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Rajasthan Project, Oil House, 2-A,  
Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Drill Fluid  
Sampling Site: RBBH, Baghewala

Contract No. GEMC-511687709317073

Report No. AAL MIS-20230817018

Date of Receiving: 17/08/2023

Date of Starting: 17/08/2023

Date of Completion: 24/08/2023

Date of Reporting: 24/08/2023

Sample Qty.: 1 Litre

Sample Collected By: AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

\*\*End of Report\*\*

ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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Rajasthan Project, Oil House, 2-A,  
Dist. Shopping Centre, Saraswati Nagar,  
Basni, Jodhpur - 342 005 (Rajasthan)

**Sample Description:** Drill Fluid  
**Sampling Site:** RBBQ, Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20230920002

**Date of Receiving:** 20/09/2023

**Date of Starting:** 20/09/2023

**Date of Completion:** 27/09/2023

**Date of Reporting:** 27/09/2023

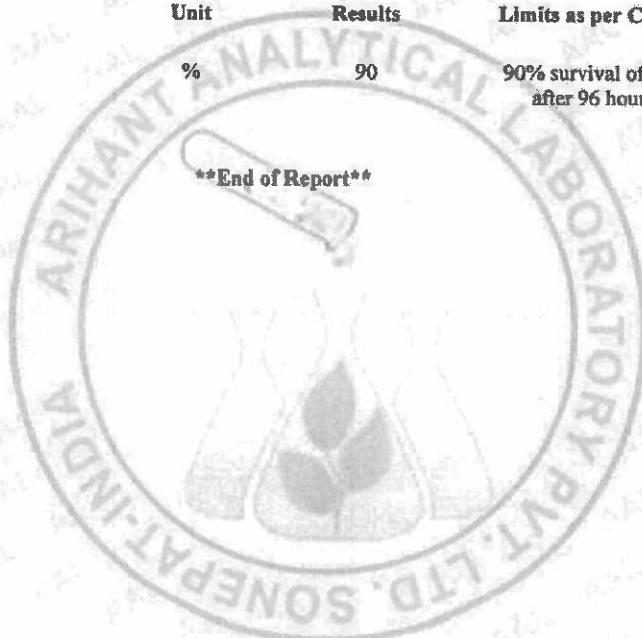
**Sample Qty.:** 1 Litre

**Sample Collected By:** AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Limits as per CPCB	Test Methods
1	Toxicity (Bio-assay) (1:10 water ratio)	%	90	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*End of Report\*\***



*Ashutosh Srivastava*  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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**Issued To:** M/s Oil India Ltd  
Rajasthan Project, Oil House, 2-A,  
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Basni, Jodhpur - 342 005 (Rajasthan)

**Sample Description:** Drill Cutting  
**Sampling Site:** RBBQ, Baghewala

**Contract No.** GEMC-511687709317073

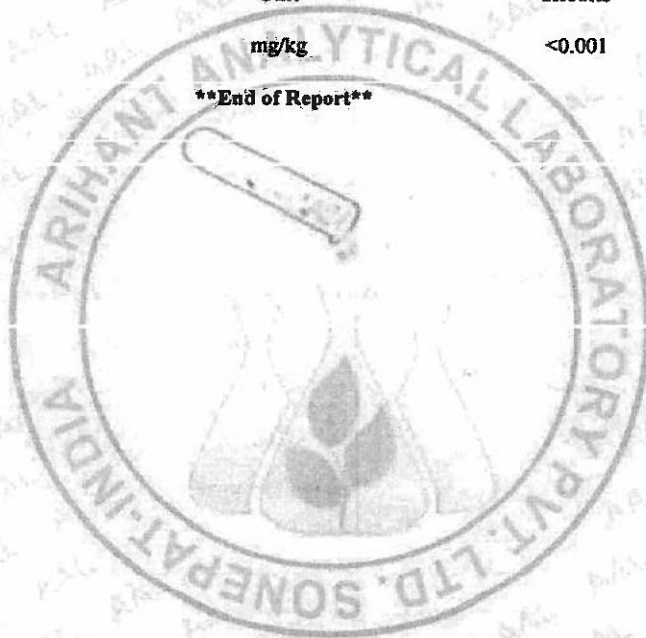
**Report No.** AAL MIS-20230920001

**Date of Receiving:** 20/09/2023  
**Date of Starting:** 20/09/2023  
**Date of Completion:** 27/09/2023  
**Date of Reporting:** 27/09/2023  
**Sample Qty.:** 500gm  
**Sample Collected By:** AAL

### TEST RESULT

S. No.	Test Parameter	Unit	Results	Test Methods
1	Mercury (as Hg)	mg/kg	<0.001	USEPA-3050 B

**\*\*End of Report\*\***



*Ashutosh Srivastava*  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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Website : www.aalkundli.com


## TEST CERTIFICATE

### 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-20230421004
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	RBBT, Baghewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	15/04/2023 to 16/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Main Gate	Weather Condition:	Sunny
		Sampling Done By:	AAL

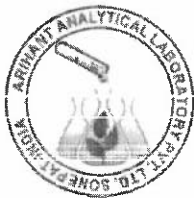
S. No.	Test Parameter	Unit	Results	Requirement
1	Noise Level			Limits as per CPCB norms in dB(A) Leq
				Day Time Night Time
				06:00AM-10:00PM 10:00PM-06:00AM
	Leq-Day	dB(A)	61.6	A: Industrial Area 75
				B: Commercial Area 65
				C: Residential Area 55
				D: Silence Zone 50
	Leq-Night	dB(A)	45.8	

**\*\*End of Report\*\***

  
Amtesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230421005
Contract No:	GEMC-511687709317073	Date of Receiving: 21/04/2023
Project Location:	RBBT, Baghewala	Date of Starting: 21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion: 25/04/2023
Date of Sampling:	15/04/2023 to 16/04/2023	Date of Reporting: 25/04/2023
Sampling Location:	Near RO 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	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	58.2	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	46.5	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**Amlesh Kumar**  
**(SR. ANALYST)**  
Authorised Signatory

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## TEST CERTIFICATE

### 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:** RBBT, Baghewala  
**Sample Description:** Ambient Air Quality Monitoring  
**Date of Sampling:** 15/04/2023 to 16/04/2023  
**Sampling Location:** Back Side of Drilling Site

**Report No.** AAL ENV-20230421006

**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	Limits as per CPCB norms in dB(A) Leq	Requirement	
					Day Time	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	54.2	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	45.5	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**Amlesh Kumar**  
**(SR. ANALYST)**

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230421016
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	16/04/2023 to 17/04/2023	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 Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level	dB(A)	65.4	Category of Area / Zone	
				A: Industrial Area	75
	Leq-Day	dB(A)	46.6	B: Commercial Area	65
				C: Residential Area	55
	Leq-Night	dB(A)		D: Silence Zone	50
					40

**\*\*End of Report\*\***

**Amlesh Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230421017
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	16/04/2023 to 17/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Doctor Room	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement
1	Noise Level	dB(A)	62.4	Limits as per CPCB norms in dB(A) Leq Day Time 06:00AM-10:00PM
				Night Time 10:00PM-06:00AM
	Leq-Day	dB(A)	45.6	Category of Area / Zone
				A: Industrial Area
	Leq-Night	dB(A)		B: Commercial Area
				C: Residential Area
				D: Silence Zone

**\*\*End of Report\*\***

**Amtesh Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No. AAL ENV-20230421028
Contract No:	GEMC-511687709317073	Date of Receiving: 21/04/2023
Project Location:	BGW # 08, Baghewala	Date of Starting: 21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion: 25/04/2023
Date of Sampling:	17/04/2023 to 18/04/2023	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	Day Time	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	62.4	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	53.8	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

  
Anil Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230421029
Contract No:	GEMC-511687709317073	Date of Receiving:	21/04/2023
Project Location:	BGW # 08, Baghewala	Date of Starting:	21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	25/04/2023
Date of Sampling:	17/04/2023 to 18/04/2023	Date of Reporting:	25/04/2023
Sampling Location:	Near Boiler 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	Leq Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	62.5	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	55.6	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**Anand Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No. AAL ENV-20230421030
Contract No:	GEMC-511687709317073	Date of Receiving: 21/04/2023
Project Location:	BGW # 08, Baghewala	Date of Starting: 21/04/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion: 25/04/2023
Date of Sampling:	17/04/2023 to 18/04/2023	Date of Reporting: 25/04/2023
Sampling Location:	Field Area	Weather Condition: Sunny
		Sampling Done By: AAL

S. No.	Test Parameter	Unit	Results	Requirement		
1	Noise Level			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
	Leq-Day	dB(A)	54.6	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	49.5	C: Residential Area	55	45
				D: Silence Zone	50	40

\*\*End of Report\*\*

Amlesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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	Day Time	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	57.5	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	42.2	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

  
**Amlesh Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230522011
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	15/05/2023 to 16/05/2023	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	
				Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone
1	Noise Level			Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
	Leq-Day	dB(A)	67.2	75	70
	Leq-Night	dB(A)	48.4	65	55
				55	45
				50	40

**\*\*End of Report\*\***

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

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230522012
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	15/05/2023 to 16/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Doctor 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
1	Noise Level			Day Time 06:00AM-10:00PM Night Time 10:00PM-06:00AM
	Leq-Day	dB(A)	63.7	A: Industrial Area 75 B: Commercial Area 65 C: Residential Area 55 D: Silence Zone 50
	Leq-Night	dB(A)	46.1	

**\*\*End of Report\*\***

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

Authorised Signatory

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Website : www.aalkundli.com

## TEST CERTIFICATE

### 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-20230522013
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	RBBL-H, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	15/05/2023 to 16/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Welding work shop 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 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level			Category of Area / Zone	
	Leq-Day	dB(A)	64.5	A: Industrial Area	75
				B: Commercial Area	65
				C: Residential Area	55
	Leq-Night	dB(A)	53.6	D: Silence Zone	50
					40

**\*\*End of Report\*\***

  
**Dr. D. R. SHARMA**  
Gen. Manager (O&T)  
Authorised Signatory

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AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OHSAS) CERTIFIED LABORATORY

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

Website : www.aalkundli.com

## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522021
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	16/05/2023 to 17/05/2023	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
				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)	65.7	75
				65
				55
	Leq-Night	dB(A)	56.4	55
				50
				45
				40

**\*\*End of Report\*\***

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

Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL ENV-20230522022
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 8, Production Installation, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	16/05/2023 to 17/05/2023	Date of Reporting:	31/05/2023
Sampling Location:	Near Boiler 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			06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	64.8	A: Industrial Area 75	70
				B: Commercial Area 65	55
	Leq-Night	dB(A)	57.6	C: Residential Area 55	45
				D: Silence Zone 50	40

**\*\*End of Report\*\***

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

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

**Contract No:** GEMC-511687709317073

**Project Location:** BGW # 8, Production Installation, Baghwala

**Sample Description:** Ambient Noise Quality Monitoring

**Date of Sampling:** 16/05/2023 to 17/05/2023

**Sampling Location:** Field Area

**Report No.** AAL ENV-20230522023

**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	
1	Noise Level			Day Time	Night Time
				06:00AM-10:00PM	10:00PM-06:00AM
				Category of Area / Zone	
	Leq-Day	dB(A)	58.3	A: Industrial Area	75
				B: Commercial Area	65
				C: Residential Area	55
	Leq-Night	dB(A)	49.8	D: Silence Zone	50
					40

**\*\*End of Report\*\***

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

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## TEST CERTIFICATE

### 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-20230522030
Contract No:	GEMC-511687709317073	Date of Receiving:	22/05/2023
Project Location:	BGW # 14, Workover, Baghewala	Date of Starting:	22/05/2023
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	31/05/2023
Date of Sampling:	17/05/2023 to 18/05/2023	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		
				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)	64.8	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	53.6	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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## TEST CERTIFICATE

### 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:** BGW # 14, Workover, Baghewala  
**Sample Description:** Ambient Noise Quality Monitoring  
**Date of Sampling:** 17/05/2023 to 18/05/2023  
**Sampling Location:** Near First Aid Room

**Report No.** AAL ENV-20230522031

**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	
1	Noise Level			Category of Area /	Day Time
				Zone	06:00AM-10:00PM
	Leq-Day	dB(A)	59.8	A: Industrial Area	75
				B: Commercial Area	65
	Leq-Night	dB(A)	37.6	C: Residential Area	55
				D: Silence Zone	50
				Night Time	
				10:00PM-06:00AM	
					70
					55
					45
					40

**\*\*End of Report\*\***

**Dr. D. R. SHARMA**  
Gen. Manager  
Authorised Signatory

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## TEST CERTIFICATE

### 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: BGW # 14, Workover, Baghewala

Sample Description: Ambient Noise Quality Monitoring

Date of Sampling: 17/05/2023 to 18/05/2023

Sampling Location: Near DG Area

Report No. AAL ENV-20230522032

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
1	Noise Level			Category of Area / Zone	Night Time
	Leq-Day	dB(A)	63.4	A: Industrial Area	06:00AM-10:00PM 75
	Leq-Night	dB(A)	50.2	B: Commercial Area	10:00PM-06:00AM 70
				C: Residential Area	65
				D: Silence Zone	55
					50

**\*\*End of Report\*\***

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

Authorised Signatory

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## TEST CERTIFICATE

### 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: 12/06/2023 to 13/06/2023

Contract No: GEMC-511687709317073

Project Location: RBBW, Baghewala

Sampling Location: Near Main Gate

Report No. AAL ENV-20230619011

Date of Receiving: 19/06/2023  
Date of Starting: 19/06/2023  
Date of Completion: 26/06/2023  
Date of Reporting: 26/06/2023  
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)	62.8		75	70
	Leq-Night	dB(A)	47.3		65	55
					55	45
					50	40

\*\*End of Report\*\*

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

### 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: 12/06/2023 to 13/06/2023

Contract No: GEMC-511687709317073

Project Location: RBBW, Baghewala

Sampling Location: Near RO Banks

Report No. AAL ENV-20230619012

Date of Receiving: 19/06/2023  
Date of Starting: 19/06/2023  
Date of Completion: 26/06/2023  
Date of Reporting: 26/06/2023  
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 06:00AM-10:00PM		Night Time 10:00PM-06:00AM	
					Category of Area / Zone			
1	Noise Level				A: Industrial Area		75	
	Leq-Day	dB(A)	60.4		B: Commercial Area		65	
					C: Residential Area		55	
	Leq-Night	dB(A)	46.2		D: Silence Zone		50	

\*\*End of Report\*\*

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

Authorised Signatory

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## TEST CERTIFICATE

### 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-20230619013
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	12/06/2023 to 13/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBBW, Baghwala	Date of Reporting:	26/06/2023
Sampling Location:	Near D G Area (PCR)	Weather Condition:	Sunny
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Requirement	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level			Category of Area / Zone		
	Leq-Day	dB(A)	61.7	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	49.8	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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## TEST CERTIFICATE

### 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:

13/06/2023 to 14/06/2023

Contract No:

GEMC-511687709317073

Project Location:

BGW # 8, Production Installation, Baghewala

Sampling Location:

Near Main Gate

Report No. AAL ENV-20230619025

Date of Receiving:

19/06/2023

Date of Starting:

19/06/2023

Date of Completion:

26/06/2023

Date of Reporting:

26/06/2023

Weather Condition:

Sunny

Sampling Done By:

AAL

S. No.	Test Parameter	Unit	Results	Category of Area / Zone	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					
	Leq-Day	dB(A)	66.2	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	58.4	C: Residential Area	55	45
				D: Silence Zone	50	40

\*\*End of Report\*\*

Dr. D. R. SHARMA  
Gen. Manager

Authorised Signatory

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## TEST CERTIFICATE

### 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: 13/06/2023 to 14/06/2023

Contract No: GEMC-511687709317073

Project Location: BGW #8, Production Installation, Baghewala

Sampling Location: Near Boiler Area

Report No. AAL ENV-20230619026

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

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)	63.9		75	70
					65	55
	Leq-Night	dB(A)	56.8		55	45
					50	40

**\*\*End of Report\*\***

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

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## TEST CERTIFICATE

### 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: 13/06/2023 to 14/06/2023

Contract No: GEMC-511687709317073

Project Location: BGW # 8, Production Installation, Baghewala

Sampling Location: Field Area

Report No. AAL ENV-20230619027

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

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)	59.9	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	51.5	C: Residential Area	55	45
				D: Silence Zone	50	40

\*\*End of Report\*\*

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

Authorised Signatory

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

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

Website : www.aalkundli.com

## TEST CERTIFICATE

### 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-20230619033
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	14/06/2023 to 15/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBCA, Baghewala	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 dR(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Lcq-Day	dB(A)	66.9		75	70
	Leq-Night	dB(A)	50.5		65	55
					55	45
					50	40

\*\*End of Report\*\*

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

Authorised Signatory

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## TEST CERTIFICATE

### 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: 14/06/2023 to 15/06/2023

Contract No: GEMC-511687709317073

Project Location: RBCA, Baghewala

Sampling Location: Near D S Office

Report No. AAL ENV-20230619034

Date of Receiving: 19/06/2023

Date of Starting: 19/06/2023

Date of Completion: 26/06/2023

Date of Reporting: 26/06/2023

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)	62.8		75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	48.3		55	45
				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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## TEST CERTIFICATE

### 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-20230619035
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	14/06/2023 to 15/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	RBCA, Baghewala	Date of Reporting:	26/06/2023
Sampling Location:	Near ASEP Office	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)	65.5		75	70
	Leq-Night	dB(A)	51.6		65	55
					55	45
					50	40

**\*\*End of Report\*\***

**Dr. D. R. SHARMA**  
Gen. Manager (Q&E)

Authorised Signatory

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# TEST CERTIFICATE

## 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:** 15/06/2023 to 16/06/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW#19, Workover, Baghewala

**Sampling Location:** Near T.P. Office

Report No. AAL ENV-20230619043

**Date of Receiving:** 19/06/2023

**Date of Starting:** 19/06/2023

**Date of Completion:** 26/06/2023

**Date of Reporting:** 26/06/2023

**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			Category of Area / Zone	Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
	Leq-Day	dB(A)	65.8	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	52.6	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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## TEST CERTIFICATE

### 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-20230619044
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	19/06/2023
Date of Sampling:	15/06/2023 to 16/06/2023	Date of Starting:	19/06/2023
Contract No:	GEMC-511687709317073	Date of Completion:	26/06/2023
Project Location:	BGW#19, Workover, Baghwala	Date of Reporting:	26/06/2023
Sampling Location:	Near First Aid 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 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	61.2		75	70
					65	55
	Leq-Night	dB(A)	38.9		55	45
					50	40

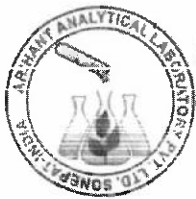
**\*\*End of Report\*\***

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

Authorised Signatory

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## TEST CERTIFICATE

### 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: 15/06/2023 to 16/06/2023

Contract No: GEMC-511687709317073

Project Location: BGW#19, Workover, Baghewala

Sampling Location: Near DG Area

Report No. AAL ENV-20230619045

Date of Receiving: 19/06/2023  
Date of Starting: 19/06/2023  
Date of Completion: 26/06/2023  
Date of Reporting: 26/06/2023  
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 06:00AM-10:00PM		Night Time 10:00PM-06:00AM	
					Category of Area / Zone			
1	Noise Level				A: Industrial Area		75	
	Leq-Day	dB(A)	65.2		B: Commercial Area		65	
					C: Residential Area		55	
	Leq-Night	dB(A)	52.7		D: Silence Zone		50	

\*\*End of Report\*\*

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

Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To: M/s Oil India Limited  
Rajasthan Project, Oil House, 2-A Dist.  
Shopping Center, Saraswati Nagar, Basni,  
Jodhpur-342005 (Rajasthan)  
Contract No: GEMC-511687709317073  
Project Location: OSBB/SBGW-01, Nokh  
Sample Description: Ambient Noise Quality Monitoring  
Date of Sampling: 02/072022-03/07/2022  
Sampling Location: Near Main Gate

Report No. AAL/OIL/RAJ-20220707011

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				
	Leq-Day	dB(A)	62.9	75 A: Industrial Area 65 B: Commercial Area 55 C: Residential Area 50 D: Silence Zone	70 55 45 40
	Leq-Night	dB(A)	57.3		

\*\*End of Report\*\*

Amlesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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Website : www.aalkundli.com

## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

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

**Contract No:** GEMC-511687709317073

**Project Location:** OSBB/SBGW-01, Nokh

**Sample Description:** Ambient Noise Quality Monitoring

**Date of Sampling:** 02/07/2022-03/07/2022

**Sampling Location:** Back Side of site

**Report No.** AAL /OIL/RAJ-20220707012

**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)	59.5	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	53.2	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**Amlesh Kumar**  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### AMBIENT NOISE QUALITY MONITORING REPORT

Issued To:	M/s Oil India Limited Rajasthan Project, Oil House, 2-A Dist. Shopping Center, Saraswati Nagar, Basni, Jodhpur-342005 (Rajasthan)	Report No.	AAL /OIL/RAJ-20220707013
Contract No:	GEMC-511687709317073	Date of Receiving:	07/07/2022
Project Location:	OSBB/SBGW-01, Nokh	Date of Starting:	07/07/2022
Sample Description:	Ambient Noise Quality Monitoring	Date of Completion:	11/07/2022
Date of Sampling:	02/07/2022-03/07/2022	Date of Reporting:	11/07/2022
Sampling Location:	Near Installation Manager 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	Night Time
1	Noise Level			Category of Area / Zone	06:00AM-10:00PM	10:00PM-06:00AM
	Leq-Day	dB(A)	58.6	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	52.3	C: Residential Area	55	45
				D: Silence Zone	50	40

\*\*End of Report\*\*

Amlesh Kumar  
(SR. ANALYST)  
Authorised Signatory

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## TEST CERTIFICATE

### 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: 11/08/2023 to 12/08/2023

Contract No: GEMC-511687709317073

Project Location: BGW#26, Workover, Baghewala

Sampling Location: Near T.P. Office

Report No. AAL ENV-20230817004

Date of Receiving: 17/08/2023

Date of Starting: 17/08/2023

Date of Completion: 24/08/2023

Date of Reporting: 24/08/2023

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 06:00AM-10:00PM		Night Time 10:00PM-06:00AM	
					Category of Area / Zone			
1	Noise Level							
	Leq-Day	dB(A)	65.1		A: Industrial Area		75	
					B: Commercial Area		65	
					C: Residential Area		55	
	Leq-Night	dB(A)	54.3		D: Silence Zone		50	
							40	

**\*\*End of Report\*\***

  
ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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Website : www.aalkundli.com

## TEST CERTIFICATE

### 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:** 11/08/2023 to 12/08/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW#26, Workover, Baghewala


**Sampling Location:** Near First Aid Office

**Report No.** AAL ENV-20230817005

**Date of Receiving:** 17/08/2023  
**Date of Starting:** 17/08/2023  
**Date of Completion:** 24/08/2023  
**Date of Reporting:** 24/08/2023  
**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)	61.5		75	70
					65	55
	Leq-Night	dB(A)	42.5		55	45
					50	40

**\*\*End of Report\*\***

  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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## TEST CERTIFICATE

### 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-20230817006
Sample Description:	Ambient Noise Quality Monitoring	Date of Receiving:	17/08/2023
Date of Sampling:	11/08/2023 to 12/08/2023	Date of Starting:	17/08/2023
Contract No:	GEMC-511687709317073	Date of Completion:	24/08/2023
Project Location:	BGW#26, Workover, Bagheewala	Date of Reporting:	24/08/2023
Sampling Location:	Near DG 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
I	Noise Level					
	Leq-Day	dB(A)	66.8		75	70
				A: Industrial Area		
				B: Commercial Area	65	55
	Leq-Night	dB(A)	56.1		55	45
				C: Residential Area		
				D: Silence Zone	50	40

**\*\*End of Report\*\***

  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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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.



# ARIHANT ANALYTICAL LABORATORY PVT. LTD.

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

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

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

Website : www.aalkundli.com

## TEST CERTIFICATE

### 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-20230920004**

Sample Description: **Ambient Noise Quality Monitoring**

Date of Receiving: **20/09/2023**

Date of Sampling: **13/09/2023 to 14/09/2023**

Date of Starting: **20/09/2023**

Contract No: **GEMC-511687709317073**

Date of Completion: **27/09/2023**

Project Location: **BGW # 8, Production Installation, Baghewala**

Date of Reporting: **27/09/2023**

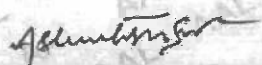
Sampling Location: **Near Main Gate**

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)	63.8	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	49.3	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.  
2. Total liability of our laboratory is limited to the invoice amount.  
3. This report shall not be reproduced wholly or in part without written consent of the laboratory.  
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ARIHANT ANALYTICAL LABORATORY PVT. LTD.

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Website : [www.aalkundli.com](http://www.aalkundli.com)

# TEST CERTIFICATE

# 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:	13/09/2023 to 14/09/2023
Contract No:	GEMC-511687709317073
Project Location:	BGW # 8, Production Installation, Baghewala
Sampling Location:	Near Boiler Area

**Report No.** AAI ENV-20230920005

**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			Category of Area / Zone	Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
	Leq-Day	dB(A)	68.7	A: Industrial Area	75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	61.5	C: Residential Area	55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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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.





# ARIHANT ANALYTICAL LABORATORY PVT. LTD.

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

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

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

Website : www.aalkundli.com

## TEST CERTIFICATE

### 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:** 13/09/2023 to 14/09/2023

**Contract No:** GEMC-511687709317073

**Project Location:** BGW # 8, Production Installation, Baghewala

**Sampling Location:** Field Area

**Report No.** AAL ENV-20230920006

**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)	65.3		75	70
				B: Commercial Area	65	55
	Leq-Night	dB(A)	54.2		55	45
				D: Silence Zone	50	40

**\*\*End of Report\*\***

*Ashutosh Srivastava*  
**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
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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**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

न्यायिक (गैर)

28 OCT 2016

न्यायिक (गैर)

This water supply agreement made on the 07<sup>th</sup> 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, mutiny, Civil commotion, riot, Sabotage & strikes, lock out or other concerted action of workmen, forces of nature or act of God such as famine, floods, fire, earthquake and epidemic and any other reason beyond the control of concerned party. But any party claiming the benefit of this clause shall reasonably satisfy the other party of the existence of such an event and given written notice immediately to the other party to this effect.

- (11) Implementation of the Agreement

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

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

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

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

#### **CHOICE OF LAW AND DISPUTE RESOLUTION**

- (16) **Governing Law**

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

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

### Settlement of Disputes

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


- I) Administrative Secretary concerned
- II) Finance Secretary or his nominee, not below the rank of Deputy Secretary.
- III) Principle Secretary, Law Department or his nominee not below the rank of Joint, Legal Remembrancer.
- 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) चौधरी चोधरी  
अनुअ, ईगानप, बीकानेर

2) T.A. ACEE  
अधिशारी अभियन्ता एं प्र. र.  
कृते अतिरिक्त मुख्य अभियन्ता  
इ.गान.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 : nwmp@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,  
सरस्वती नगर, बासनी,  
जोधपुर-342 005, राजस्थान, भारत  
दूरभाष : 0291-2729417  
फैक्स : 0291-2727050  
वेबसाइट : [www.oil-india.com](http://www.oil-india.com)  
जी.एस.टी.नं. : 08AAACO2352C1ZX  
सी.आई.एन. : L11101AS1959GO1001148



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

**Rajasthan Field**

OIL HOUSE, 2-A, Dist. Shopping Center,  
Saraswati Nagar, Basni,  
Jodhpur - 342 005, Rajasthan, India  
Telephone : 0291-2729417  
FAX : 0291-2727050  
Website : [www.oil-india.com](http://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)

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 m<sup>3</sup>/d**

Process - 23 m<sup>3</sup>/ d

Domestic:- 5 m<sup>3</sup>/ 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

\*m<sup>3</sup>/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 contractual obligations, otherwise all industries have to name the raw material used.

**PART-C**

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

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NIL	NA	NA
(b) Air	Not significant	1. Particulate matter, PM 2.5=35.6 $\mu$ /m <sup>3</sup> 2. Particulate Matter, PM10 =56.3 $\mu$ /m <sup>3</sup> 3. SO <sub>2</sub> =BDL $\mu$ /m <sup>3</sup> 4. NO <sub>2</sub> =BDL $\mu$ /m <sup>3</sup> 5. CO=1.0 $\mu$ /m <sup>3</sup> 5. Hydrocarbon as Methane=1.72 $\mu$ /m <sup>3</sup> 7. Hydrocarbon as Non Methane=1.19 $\mu$ /m <sup>3</sup> 8. VOC=1.54 $\mu$ /m <sup>3</sup>	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	.527 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 <sup>th</sup> Phase, RIICO, Bornaada, 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 HDPE 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 Kishore)** Oil India Limited, Jodhpur  
 Dy. General Manager, Drilling  
 Mines Manager, Rajasthan Project  
 Drilling-Mines (Rajasthan Fields)  
 Date: - 15/09/2023

**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, Bapni, 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 m<sup>3</sup>/d**

Process : - 26m<sup>3</sup>/d  
Domestic:-6 m<sup>3</sup>/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

\* m<sup>3</sup>/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 contractual obligations, otherwise all industries have to name the raw material used.

**PART-C**

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

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil	NA	NA
(b) Air	Not significant	1. Particulate matter, PM 2.5-47.6 $\mu$ /m <sup>3</sup> 2. Particulate Matter, PM10 -86.1 $\mu$ /m <sup>3</sup> 3. SO <sub>2</sub> -6.4 $\mu$ /m <sup>3</sup> 4. NO <sub>2</sub> -21.5 $\mu$ /m <sup>3</sup> 5. CO-0.62 $\mu$ /m <sup>3</sup> 5. Hydrocarbon as Methane-3.21 $\mu$ /m <sup>3</sup> 7. Hydrocarbon as Non Methane-0.5 $\mu$ /m <sup>3</sup> 8. VOC-1.54 $\mu$ /m <sup>3</sup>	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 HDPE 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.

- e) 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 & CO recognized NABL approved laboratory).
- Gravel 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.

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