



# ऑयल इंडिया लिमिटेड Oil India Limited

भारत सरकार के अधीन  
एक महारत्न सीपीएसई  
A Maharatna CPSE under  
Government of India

राजस्थान क्षेत्र/Rajasthan Field  
ऑयल हाउस, 2-ए/OIL HOUSE, 2-A  
डिस्ट्रीक्ट शॉपिंग सेन्टर/Dist. Shopping Center  
सरस्वती नगर, बासनी/Saraswati Nagar, Basni  
जोधपुर/Jodhpur - 342 005  
राजस्थान, भारत/Rajasthan, India  
दूरभाष/Telephone : 0291-2729417  
GST No. : 08AAACO2352C1ZX

Ref.No. RF/HSE/E-7/209/2024

Date:29.10.2024

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

**Sub:** Six monthly compliance report for 20 Development Wells at Baghewala ML Block Tehsil Nachana(I), District Phalodi, 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 31.03.2024 to 30.09.2024 in the prescribed format.

2.0 Hope the above is in order, please.

Thanking you.

Yours Faithfully,  
OIL INDIA LIMITED

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

Enclosed: as above

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

Regional Officer, Jodhpur (Rajasthan)

Zonal Officer (Bhopal), Central Pollution Control Board

**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 31.03.2024 to 30.09.2024**

**A. Specific Conditions:**

S. No.	EC Conditions	Compliance Status
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 & IGP 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	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

	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. No effluent /drilling mud/drill cutting shall be discharged /disposed off into nearby surface water bodies.
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 "Sahu Industries", Jaipur, Rajasthan for re-refining and recycling of hazardous waste. In case of Oil spillage/ contamination, action plan, Roles and responsibilities, Important telephone nos., etc. are provided in the Emergency response plan.
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.
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	Normally in Hydrocarbon-Exploration Business the subsidence study is not required, like open cast mine.

	lasts. The data so collected shall be submitted six monthly to the Ministry and its Regional Office at Bhopal.	Hydrocarbon is produced from @1180m-1200m depth from hydrocarbon bearing zones of average thickness 15m – 20m. The oil produced is being fully replenished by the formation water. This replenishment along with the strength of the reservoir matrix should not allow any compaction by the overburden and thus reduces the chances of subsidence.
xvii)	<p>Blow out preventer (BOP) system shall be installed to prevent well blowouts during drilling operations.</p> <p>BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre well planning and drilling fluid logging etc.</p>	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.	<p>Being Complied.</p> <ol style="list-style-type: none"> <li>1. Free Eye Camp</li> <li>2. Free Homeopathic camps in Baghewala</li> <li>3. Donation of student furniture to the Govt Sr. Secondary School &amp; Primary School Tawariwala</li> <li>4. Infrastructure development for smart classroom in five government schools in Baghewala.</li> </ol>
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

	Rules.	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 Ministry's Regional office.	1 Well (BGW-3) was restored under this EC during compliance period. Restoration of project sites will be carried out as per Site Restoration/Reclamation guidelines of the company and report for the same will be sent to the Ministry's Regional office.
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.
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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.  <b>Enclosed as Annexure I</b>
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.	No building has been constructed at the rig site only temporary structures are installed at the site area.
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.	Compiled. 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 the compliance point 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 the compliance point 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.
xix	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted.
xx	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of Water Pollution) Act 1981 the Environment (Protection) Act 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.

Date: 28/10/2024

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

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





# 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 REPORT

### AMBIENT AIR QUALITY MONITORING REPORT

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:** Ambient Air Quality Monitoring

**Date of Sampling:** 08/05/2024 to 09/05/2024

**Contract No:** GEMC-511687709317073

**Project Location:** RBCH - Baghewala

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

**Report No.** AAL ENV-20240511022

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**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>	86.6	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	45.4	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	18.9	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	27.1	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>	45.2	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	28.5	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

**Note:** 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not 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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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:** 08/05/2024 to 09/05/2024

**Contract No:** GEMC-511687709317073

**Project Location:** RBCH - Baghewala

**Sampling Location:** Near Medicine Room

**Report No.** AAL ENV-20240511023

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**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>	92.5	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>	12.6	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	24.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.89	2 (8hr)/4 (1hr)	IS-5182(P-10)-1999
6	Ozone (as O <sub>3</sub> )	µg/m <sup>3</sup>	42.7	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	28.5	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

**Note:** 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.  
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Basni, Jodhpur - 342 005 (Rajasthan)

Sample Description: Ambient Air Quality Monitoring

Date of Sampling: 08/05/2024 to 09/05/2024

Contract No: GEMC-511687709317073

Project Location: RBCH - Baghewala

Sampling Location: Near Welding Workshop Area

Report No. AAL ENV-20240511024

Date of Receiving: 11/05/2024  
Date of Starting: 11/05/2024  
Date of Completion: 16/05/2024  
Date of Reporting: 16/05/2024  
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>	82.6	100	IS-5182(P-23)-2006
2	Particulate Matter, PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.3	60	IS-5182(P-24)-2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	13.7	80	IS-5182 (P-2)-2001
4	Oxide of Nitrogen (as NO <sub>2</sub> )	µg/m <sup>3</sup>	22.8	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>	40.9	100(8hr)/180(1hr)	IS-5182(P-9)-1974
7	Ammonia (as NH <sub>3</sub> )	µg/m <sup>3</sup>	22.8	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

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not 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.



## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : MAIN GATE

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000027679F

Report No. : HECS/AP/44/060624

Sample ID No : 060624053

Sampling Date : 04/06/2024 To 05/06/2024

Received Date : 06/06/2024

Commenced Date : 06/06/2024

Completed On : 18/06/2024

Report Date : 18/06/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	6.82	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	24.74	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	12.69	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	50.15	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	23.67	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	12.54	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>-Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory

## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,  
Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : MAIN GATE  
Report No. : HECS/AP/44/060624/N  
Sample ID No : 060624053  
Sampling Date : 04/06/2024 To 05/06/2024  
Received Date : 06/06/2024  
Commenced Date : 06/06/2024  
Completed On : 18/06/2024  
Report Date : 18/06/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory



## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA

Group : Atmospheric Pollution

Sample Name : Ambient Air(All)

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NEAR BOILER AREA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000027680F

Report No. : HECS/AP/45/060624

Sample ID No : 060624054

Sampling Date : 04/06/2024 To 05/06/2024

Received Date : 06/06/2024

Commenced Date : 06/06/2024

Completed On : 18/06/2024

Report Date : 18/06/2024

Sample quantity : NA

Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	8.61	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	18.23	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	10.41	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	46.78	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	18.66	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	14.50	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>-Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory

## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,  
Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NEAR BOILER AREA  
Report No. : HECS/AP/45/060624/N  
Sample ID No : 060624054  
Sampling Date : 04/06/2024 To 05/06/2024  
Received Date : 06/06/2024  
Commenced Date : 06/06/2024  
Completed On : 18/06/2024  
Report Date : 18/06/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory





## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA

ULR : TC1231024000027681F  
Report No. : HECS/AP/46/060624  
Sample ID No : 060624055  
Sampling Date : 04/06/2024 To 05/06/2024

Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : FIELD AREA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Received Date : 06/06/2024  
Commenced Date : 06/06/2024  
Completed On : 18/06/2024  
Report Date : 18/06/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	5.23	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	25.91	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	13.53	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	56.70	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	22.45	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	9.71	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory

## TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,  
Address of the Client : BGW -8 PRODUCTION,INSTALLATION BAGHEWALA  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : FIELD AREA  
Report No. : HECS/AP/46/060624/N  
Sample ID No : 060624055  
Sampling Date : 04/06/2024 To 05/06/2024  
Received Date : 06/06/2024  
Commenced Date : 06/06/2024  
Completed On : 18/06/2024  
Report Date : 18/06/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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

M.Sivaprakasam  
Lab Manager  
Authorized Signatory

**Hubert Enviro Care Systems (P) Ltd.**

A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
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TC-12310

**Laboratory Services Division**

(Chemical & Biological Testing)  
Recognized by MoEF, BIS  
FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : MAIN GATE  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000036051F  
Report No. : HECS/AP/98/080724  
Sample ID No : 080724260  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	6.33	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	23.67	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	10.88	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	53.14	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	26.78	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	10.45	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
13	Toluene	µg/m³	BLQ (LOQ: 0.01)	HESC-G/INS/SOP/027 Issue No.:01 Issue Date:01.03.2021	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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



*M. Sivaprakasam*  
M. Sivaprakasam  
Lab Manager  
Authorized Signatory

**Hubert Enviro Care Systems (P) Ltd.**

A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
Ph: 42985555 / 43635555 Fax : 42985500  
E-mail : labsales@hecs.in

**Laboratory Services Division**

(Chemical & Biological Testing)  
Recognized by MoEF, BIS  
FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(All)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : MAIN GATE  
Report No. : HECS/AP/98/080724/N  
Sample ID No : 080724260  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/ m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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



*M. Sivaprakasam*  
M.Sivaprakasam  
Lab Manager  
Authorized Signatory

## Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru VI Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
Ph: 42985555 / 43635555 Fax : 42985500  
E-mail : labsales@hecs.in



## Laboratory Services Division

(Chemical & Biological Testing)  
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FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.



### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : Ambient Air(Air)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NEAR FIRST AIDS BUNKS  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

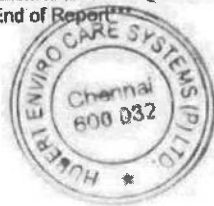
ULR : TC1231024000036052F  
Report No. : HECS/AP/99/080724  
Sample ID No : 080724261  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	8.65	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	28.39	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	12.75	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	46.10	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	25.44	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	8.20	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
13	Toluene	µg/m³	BLQ (LOQ: 0.01)	HECS-G/INS/SOP/027 Issue No.:01 Issue Date:01.03.2021	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>-Micrograms per cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter, ng/m<sup>3</sup>-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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



M.Sivaprakasam  
Lab Manager  
Authorized Signatory

## Hubert Enviro Care Systems (P) Ltd.

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## Laboratory Services Division

(Chemical & Biological Testing)  
Recognized by MoEF, BIS  
FSSAI Notified Laboratory  
ISO 9001, 14001 & 45001 Certified.

### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4.  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(AII)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NEAR FIRST AIDS BUNKS  
Report No. : HECS/AP/99/080724/N  
Sample ID No : 080724261  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date: 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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



M. Sivaprakasam  
Lab Manager  
Authorized Signatory

# Hubert Enviro Care Systems (P) Ltd.

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4

Group : Atmospheric Pollution

Sample Name : Ambient Air(AII)

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NEAR DG AREA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000036053F

Report No. : HECS/AP/100/080724

Sample ID No : 080724262

Sampling Date : 05/07/2024 To 06/07/2024

Received Date : 08/07/2024

Commenced Date : 08/07/2024

Completed On : 31/07/2024

Report Date : 31/07/2024

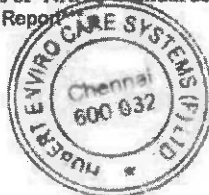
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	6.33	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	21.98	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
9	Ozone as O3	µg/m³	13.25	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	49.61	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	20.98	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	8.19	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
13	Toluene	µg/m³	BLQ (LOQ: 0.01)	HESC-G/INS/SOP/027 Issue No.:01 Issue Date:01.03.2021	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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



M.Sivaprakasam  
Lab Manager  
Authorized Signatory



**Hubert Enviro Care Systems (P) Ltd.**

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**Laboratory Services Division**

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : Ambient Air(AII)  
Sample Mark : NA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NEAR DG AREA  
Report No. : HECS/AP/100/080724/N  
Sample ID No : 080724262  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date: 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 5182 Part 5 & Part 14

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/ m <sup>3</sup>	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m <sup>3</sup>	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m<sup>3</sup>- Micrograms per cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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



M.Sivaprakasam  
Lab Manager  
Authorized Signatory

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TC-12310

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : POINT LOCATION- (RBCE-H) BGW 39, DRILLING &amp; INSTALLATION AT

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : MAIN GATE

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : IS 5182 Part 5 &amp; Part 14

ULR : TC1231024000045691F

Report No. : HECS/AP/108/190924

Sample ID No : 190924359

Sampling Date : 17/09/2024 To 18/09/2024

Received Date : 19/09/2024

Commenced Date : 19/09/2024

Completed On : 28/09/2024

Report Date : 28/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	6.93	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	18.42	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual).
9	Ozone as O3	µg/m³	10.76	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	53.81	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	20.55	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	8.64	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
13	Toluene	µg/m³	BLQ (LOQ: 0.01)	HECS-G/INS/SOP/027 Issue No.:01 Issue Date:01.03.2021	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.  
\*\*\*End of Report\*\*\*



D. Anusuya  
Lab Manager  
Authorized Signatory

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss/damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

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**Laboratory Services Division**

(Chemical &amp; Biological Testing)

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : POINT LOCATION- =(RBCE-H) BGW 39, DRILLING &amp; INSTALLATION AT

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : MAIN GATE

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : IS 5182 Part 5 &amp; Part 14

Report No. : HECS/AP/108/190924/N

Sample ID No : 190924359

Sampling Date : 17/09/2024 To 18/09/2024

Received Date : 19/09/2024

Commenced Date : 19/09/2024

Completed On : 28/09/2024

Report Date : 28/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Mercury	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/041 Issue No.:01 Issue Date:01.03.2021
2	Non-Methane Hydrocarbon	mg/m³	BLQ(LOQ 0.2)	HESC-G/INS/SOP/056

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter,  
mg/m³-Milligrams per cubic meter.

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



D.Anusuya

Lab Manager

Authorized Signatory

**Hubert Enviro Care Systems (P) Ltd.**

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Guindy, Chennai - 600 032.  
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TC-12310

**Laboratory Services Division**

(Chemical & Biological Testing)  
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ISO 9001, 14001 & 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : POINT LOCATION- =(RBCE-H) BGW 39, DRILLING &amp; INSTALLATION AT

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : NA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NEAR DS ROOM

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : IS 5182 Part 5 &amp; Part 14

ULR : TC1231024000045692F

Report No. : HECS/AP/109/190924

Sample ID No : 190924360

Sampling Date : 17/09/2024 To 18/09/2024

Received Date : 19/09/2024

Commenced Date: 19/09/2024

Completed On : 28/09/2024

Report Date : 28/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Lead	µg/m³	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)
2	Arsenic	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
3	Nickel	ng/m³	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
4	Benzene-AAQ	µg/m³	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
5	Benzo (a) pyrene-AAQ	ng/m³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
6	Ammonia as NH3	µg/m³	8.66	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
7	Carbon Monoxide (CO)	mg/ m³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
8	Nitrogen dioxides as NO2	µg/m³	25.82	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual).
9	Ozone as O3	µg/m³	13.25	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
10	Particulate matter (Size less than 10 µm)	µg/m³	48.14	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
11	Particulate matter (Size less than 2.5 µm)	µg/m³	19.05	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
12	Sulphur dioxide as SO2	µg/m³	14.90	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
13	Toluene	µg/m³	BLQ (LOQ: 0.01)	HECS-G/INS/SOP/027 Issue No.:01 Issue Date:01.03.2021	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009,

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



D.Anusuya  
Lab Manager  
Authorized Signatory

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or mis use of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

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**Laboratory Services Division**

(Chemical &amp; Biological Testing)

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,

Address of the Client : POINT LOCATION- (RBCE-H) BGW 39, DRILLING &amp; INSTALLATION AT

Group : Atmospheric Pollution

Sample Name : DG Stack Emission above 800 KVA

Sample Mark : DG Set I 1500KVA

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0

Sampling Method &amp; Plan : IS 11255

ULR : TC1231024000045699F

Report No. : HECS/AP/116/190924

Sample ID No : 190924367

Sampling Date : 17/09/2024

Received Date : 19/09/2024

Commenced Date : 19/09/2024

Completed On : 28/09/2024

Report Date : 28/09/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	Carbon Monoxide (CO)	mg/Nm <sup>3</sup>	0.59	IS 13270 Clause 4 1992	150
2	Oxygen (O <sub>2</sub> )	%	20.3	IS 13270 Clause 4 1992	-
3	Sulphur dioxide (SO <sub>2</sub> )	mg/Nm <sup>3</sup>	8.44	ASTM Method D6522 (by Flue gas Analyzer) 2000	-
4	Particulate Matter	mg/Nm <sup>3</sup>	37.29	IS 11255 (Part I)	75
5	Nitrogen Dioxide	ppmv	248.70	ASTM Method D6522 (by Flue gas Analyzer) 2000	710

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/Nm<sup>3</sup>- Milligrams per Normal cubic meter, ppmv- Parts per million by Volume, m/s- Meter per second, Nm<sup>3</sup>/hr - Normal cubic meter per hour, °C- Degree Celsius, NA - Not Applicable.

Remarks :-Standards are given as per CPCB PCLS / 02/ 2010 Sixth Edition (Engine Rating more than 0.8 M W (800 KW); The Tested Parameters are found within acceptable Limit.

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



D. Anusuya  
Lab Manager  
Authorized Signatory

Annexure-1



# 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 REPORT

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:** RBCH - Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20240511003

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**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

**Note:** 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not 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.





# 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 REPORT

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 Fluid

**Sampling Site:** RBCH - Baghewala

**Contract No.** GEMC-511687709317073

**Report No.** AAL MIS-20240511004

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**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)	%	88	90% survival of fish after 96 hours	IS:6582(P-2)-2001

**\*\*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.  
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5. The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



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**Laboratory Services Division**

(Chemical & Biological Testing)  
Recognized by MoEF, BIS  
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**TEST REPORT**


Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4  
Group : Pollution & Environment  
Sample Name : Drill Cutting  
Sample Mark : DRILL FLUID  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Report No. : HECS/PE/023/080724/N  
Sample ID No : 080724269  
Sampling Date : 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 25/07/2024  
Report Date : 25/07/2024  
Sample quantity : 500gm  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 17614(Part-10) : 2021

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/kg	BLQ (LOQ:0.1)	HECS-G/INS/SOP/042
2	Mercury	mg/kg	BLQ (LOQ:0.1)	HECS-G/INS/SOP/042
3	Toxicity	%	85.0	In house method

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilograms, % - Percentage .  
\*\*\*End of Report\*\*\*



  
M.Sivaprakasam  
Lab Manager  
Authorized Signatory

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

## Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.  
Ph: 42985555 / 43635555 Fax : 42985500  
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TC-12310

## Laboratory Services Division

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : Ambient Noise Levels (Excluding vibration)  
Sample Mark : Noise  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 9989 : 1981

ULR : TC1231024000036059F  
Report No. : HECS/AP/106/080724  
Sample ID No : 080724268  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No	Location	Day Noise Level in dB(A)
1	MAIN GATE	63.0
2	NEAR FIRST AIDS BUNKS	62.0
3	NEAR DG AREA	64.0


#### Noise Standards - CPCB:

i. Industrial Area : Day Time-75 dB (A); Night Time-70 dB (A).

Remarks:- The noise level meets the requirement of CPCB Limits.

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



  
M.Sivaprakasam  
Lab Manager  
Authorized Signatory

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4

Group : Atmospheric Pollution

Sample Name : DG Stack Emission below 800 KVA

Sample Mark : DG Set 1 125KVA

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 11255

ULR : TC1231024000036054F

Report No. : HECS/AP/101/080724

Sample ID No. : 080724263

Sampling Date : 05/07/2024 To 06/07/2024

Received Date : 08/07/2024

Commenced Date : 08/07/2024

Completed On : 31/07/2024

Report Date : 31/07/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	CarbonMonoxide (CO)	g/kW-hr	0.63	HECS-G/ENV/SE/SOP/006 Issue No.:01 Issue Date:01:12:2022	≤3.5
2	Oxygen (O2)	%	14.8	IS 13270 Clause 4 1992	NA
3	Nitrogen dioxide (NO2)	g/kW-hr	0.356	HECS-G/ENV/SE/SOP/007 Issue No.:01 Issue Date:01:12:2022	≤4.0(NOx+HC)
4	Particulate matter (PM)	g/kW-hr	0.041	HECS-G/ENV/SE/SOP/005 Issue No.:01 Issue Date:01:12:2022	≤0.2
5	Sulphur dioxide (SO2)	mg/Nm <sup>3</sup>	11.98	IS 11255 (PART 2) 1985	NA
6	Ambient Temperature	°C	32.0	11255 (Part-3) 2008	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, g/kW-hr- Gram per Kilowatt Hour,

%- Percentage, m/s- Meter per second, Nm<sup>3</sup>/hr - Normal cubic meter per hour, °C- Degree Celsius,

NA - Not Applicable.

Remarks :-Standards are given as per CPCB notification no. G.S.R.771 (E) dated 11th December, 2013

(Engine Rating less than 0.8 M W (800 KW); The Tested Parameters are found in acceptable Limit.

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



M.Sivaprakasam  
Lab Manager  
Authorized Signatory

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization. 2. Samples are not drawn by HECS unless or otherwise mentioned. 3. Unless specifically requested by customer the test items will not be retained more than 16 days from the date of issue of test report. 4. Under no circumstances lab accepts any liability or loss / damage caused by use or misuse of test report after invoicing or issue of test report. 5. The test results relate only to the test items.

HECS-G/Q/FMT/49

**Hubert Enviro Care Systems (P) Ltd.**

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : DG Set 1 125KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255  
Report No. : HECS/AP/101/080724/N  
Sample ID No : 080724263  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Total Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter.

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



M.Sivaprakasam  
Lab Manager  
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : DG Set 2 125KVA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

ULR : TC1231024000036055F  
Report No. : HECS/AP/102/080724  
Sample ID No : 080724264  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	CarbonMonoxide (CO)	g/kW-hr	0.76	HECS-G/ENV/SE/SOP/006 Issue No.:01 Issue Date:01:12:2022	≤ 3.5
2	Oxygen (O2)	%	20.6	IS 13270 Clause 4 1992	NA
3	Nitrogen dioxide (NO2)	g/kW-hr	0.329	HECS-G/ENV/SE/SOP/007 Issue No.:01 Issue Date:01:12:2022	≤ 4.0(NOx+11C)
4	Particulate matter (PM)	g/kW-hr	0.062	HECS-G/ENV/SE/SOP/005 Issue No.:01 Issue Date:01:12:2022	≤ 0.2
5	Sulphur dioxide (SO2)	mg/Nm³	14.18	IS 11255 (PART 2) 1985	NA
6	Ambient Temperature	°C	32.0	11255 (Part-3) 2008	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, g/kW-hr- Gram per Kilowatt Hour,  
%- Percentage, m/s- Meter per second, Nm³/hr - Normal cubic meter per hour, °C- Degree Celsius,  
NA - Not Applicable.

Remarks :-Standards are given as per CPCB notification no. G.S.R.771 (E) dated 11th December, 2013  
(Engine Rating less than 0.8 M W (800 KW); The Tested Parameters are found in acceptable Limit.

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



M. Sivaprakasam  
Lab Manager  
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORKOVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : DG Set 2 125KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255


Report No. : HECS/AP/102/080724/N  
Sample ID No : 080724264  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date: 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Total Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter.

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



  
M.Sivaprakasam  
Lab Manager  
Authorized Signatory

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 01 540 KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

ULR : TC1231024000036056F  
Report No. : HECS/AP/103/080724  
Sample ID No : 080724265  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	CarbonMonoxide (CO)	g/kW-hr	0.67	HECS-G/ENV/SE/SOP/006 Issue No.:01 Issue Date:01:12:2022	≤ 3.5
2	Oxygen (O2)	%	20.1	IS 13270 Clause 4 1992	NA
3	Nitrogen dioxide (NO2)	g/kW-hr	0.537	HECS-G/ENV/SE/SOP/007 Issue No.:01 Issue Date:01:12:2022	≤ 4.0(NOx + HC)
4	Particulate matter (PM)	g/kW-hr	0.042	HECS-G/ENV/SE/SOP/005 Issue No.:01 Issue Date:01:12:2022	≤ 0.2
5	Sulphur dioxide (SO2)	mg/Nm <sup>3</sup>	9.59	IS 11255 (PART 2) 1985	NA
6	Ambient Temperature	°C	32.0	11255 (Part-3) 2008	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, g/kW-hr- Gram per Kilowatt Hour,  
%- Percentage, m/s- Meter per second, Nm<sup>3</sup>/hr - Normal cubic meter per hour, °C- Degree Celsius,  
NA - Not Applicable.

Remarks :-Standards are given as per CPCB notification no. G.S.R.771 (E) dated 11th December, 2013  
(Engine Rating less than 0.8 M W (800 KW); The Tested Parameters are found in acceptable Limit.

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



M. Sivaprakasam  
Lab Manager  
Authorized Signatory



**Hubert Enviro Care Systems (P) Ltd.**

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 01 540 KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

Report No. : HECS/AP/103/080724/N  
Sample ID No : 080724265  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Total Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter,  
mg/m<sup>3</sup>-Milligrams per cubic meter.

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



M. Sivaprakasam  
Lab Manager  
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 02 540 KVA  
Sample Reference : NA  
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

ULR : TC1231024000036057F  
Report No. : HECS/AP/104/080724  
Sample ID No : 080724266  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA


S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	Carbon Monoxide (CO)	g/kW-hr	0.68	HECS-G/ENV/SE/SOP/006 Issue No.:01 Issue Date:01:12:2022	≤ 3.5
2	Oxygen (O2)	%	19.5	IS 13270 Clause 4 1992	NA
3	Nitrogen dioxide (NO2)	g/kW-hr	0.469	HECS-G/ENV/SE/SOP/007 Issue No.:01 Issue Date:01:12:2022	≤ 4.0 (NOx+HC)
4	Particulate matter (PM)	g/kW-hr	0.052	HECS-G/ENV/SE/SOP/005 Issue No.:01 Issue Date:01:12:2022	≤ 0.2
5	Sulphur dioxide (SO2)	mg/Nm <sup>3</sup>	11.98	IS 11255 (PART 2) 1985	NA
6	Ambient Temperature	°C	32.0	11255 (Part-3) 2008	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, g/kW-hr- Gram per Kilowatt Hour,  
%- Percentage, m/s- Meter per second, Nm<sup>3</sup>/hr - Normal cubic meter per hour, °C- Degree Celsius,  
NA - Not Applicable.

Remarks :- Standards are given as per CPCB notification no. G.S.R.771 (E) dated 11th December, 2013  
(Engine Rating less than 0.8 M W (800 KW); The Tested Parameters are found in acceptable Limit.

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



  
M. Sivaprakasam  
Lab Manager  
Authorized Signatory

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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 02 540 KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

Report No. : HECS/AP/104/080724/N  
Sample ID No : 080724266  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Total Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter.

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



  
M. Sivaprakasam  
Lab Manager  
Authorized Signatory

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**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India.,

Address of the Client : POINT LOCATION-WORK OVER INSTALLATION BGW=4

Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 03 30 KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255

ULR : TC1231024000036058F  
Report No. : HECS/AP/105/080724  
Sample ID No : 080724267  
Sampling Date : 05/07/2024 To 06/07/2024  
Received Date : 08/07/2024  
Commenced Date : 08/07/2024  
Completed On : 31/07/2024  
Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	CPCB Standards
Discipline : Chemical					
1	Carbon Monoxide (CO)	g/kW-hr	0.38	HECS-G/ENV/SE/SOP/006 Issue No.:01 Issue Date:01:12:2022	≤ 3.5
2	Oxygen (O2)	%	15.7	IS 13270 Clause 4 1992	NA
3	Nitrogen dioxide (NO2)	g/kW-hr	0.624	HECS-G/ENV/SE/SOP/007 Issue No.:01 Issue Date:01:12:2022	≤ 4.0 (NOx + HC)
4	Particulate matter (PM)	g/kW-hr	0.059	HECS-G/ENV/SE/SOP/005 Issue No.:01 Issue Date:01:12:2022	≤ 0.2
5	Sulphur dioxide (SO2)	mg/Nm <sup>3</sup>	10.85	IS 11255 (PART 2) 1985	NA
6	Ambient Temperature	°C	32.0	11255 (Part-3) 2008	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, g/kW-hr- Gram per Kilowatt Hour,  
%- Percentage, m/s- Meter per second, Nm<sup>3</sup>/hr - Normal cubic meter per hour, °C- Degree Celsius,  
NA - Not Applicable.

Remarks :-Standards are given as per CPCB notification no. G.S.R.771 (E) dated 11th December, 2013  
(Engine Rating less than 0.8 M W (800 KW); The Tested Parameters are found in acceptable Limit.

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



*M. Sivaprakasam*  
M. Sivaprakasam  
Lab Manager  
Authorized Signatory

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Page : 1 of 1

Name of the Client : M/s. Oil India.,  
Address of the Client : POINT LOCATION=WORK OVER INSTALLATION BGW=4  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission below 800 KVA  
Sample Mark : MUD Pump 03 30 KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0  
Sampling Method & Plan : IS 11255  
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Report Date : 31/07/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Total Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter, mg/m<sup>3</sup>-Milligrams per cubic meter.

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



*M. Sivaprakasam*  
M. Sivaprakasam  
Lab Manager  
Authorized Signatory



# 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 REPORT

Page 1 of 1

### STACK GAS 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-20240511028
Sample Description:	Stack Emission	Date of Receiving:	11/05/2024
Date of Sampling:	08/05/2024	Date of Starting:	11/05/2024
Contract No:	GEMC-511687709317073	Date of Completion:	16/05/2024
Project Location:	RBCH - Baghewala	Date of Reporting:	16/05/2024
Stack Identification:	DG Set No.01	Type of Fuel used:	HSD
Capacity of DG Set:	1500 KVA	Weather Condition:	Sunny
Environmental Condition:	Normal	Stack Height and Diameter:	20 Feet and 6.0 Inch
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limit	Test Methods
1	Temperature of Emission	°C	329	NS	IS 11255(P-3)-2008
2	Flue Gas Velocity	m/sec.	14.55	NS	IS 11255(P-3)-2008
3	Flue Gas Flow Rate	Nm <sup>3</sup> /hr.	446.07	NS	IS 11255(P-3)-2008
4	Particulate Matter (as PM) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	49.5	75	IS 11255(P-1)-1985
5	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	13.4	NS	IS 11255(P-2)-1985
6	Oxide of Nitrogen (as NO <sub>x</sub> ) at 15% O <sub>2</sub>	ppmv	218.8	710	IS 11255(P-7)-2005
7	Carbon Monoxide (as CO) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	38.5	150	IS 13270: 1992
9	Oxygen (as O <sub>2</sub> )	%v/v	13.8	NS	IS 13270: 1992
10	Non Methane Hydrocarbon (as NMHC) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	32.4	100	NIOSH 1501

NS=Not Specified

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

**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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## TEST REPORT

Page 1 of 1


### STACK GAS 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-20240511029
Sample Description:	Stack Emission	Date of Receiving:	11/05/2024
Date of Sampling:	08/05/2024	Date of Starting:	11/05/2024
Contract No:	GEMC-511687709317073	Date of Completion:	16/05/2024
Project Location:	RBCH - Baghewala	Date of Reporting:	16/05/2024
Stack Identification:	DG Set No.02	Type of Fuel used:	HSD
Capacity of DG Set:	1500 KVA	Weather Condition:	Sunny
Environmental Condition:	Normal	Stack Height and Diameter:	20 Feet and 6.0 Inch
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limit	Test Methods
1	Temperature of Emission	°C	322	NS	IS 11255(P-3)-2008
2	Flue Gas Velocity	m/sec.	14.30	NS	IS 11255(P-3)-2008
3	Flue Gas Flow Rate	Nm <sup>3</sup> /hr.	443.73	NS	IS 11255(P-3)-2008
4	Particulate Matter (as PM) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	44.8	75	IS 11255(P-1)-1985
5	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	12.2	NS	IS 11255(P-2)-1985
6	Oxide of Nitrogen (as NO <sub>x</sub> ) at 15% O <sub>2</sub>	ppmv	230.5	710	IS 11255(P-7)-2005
7	Carbon Monoxide (as CO) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	40.6	150	IS 13270: 1992
9	Oxygen (as O <sub>2</sub> )	%v/v	13.5	NS	IS 13270: 1992
10	Non Methane Hydrocarbon (as NMHC) at 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	34.9	100	NIOSH 1501

NS-Not Specified

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

  
ASHUTOSH SRIVASTAVA  
Deputy Technical Manager  
Authorised Signatory

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Website : www.aalkundli.com

## TEST REPORT

Page 1 of 1

### STACK GAS 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-20240511030
Sample Description:	Stack Emission	Date of Receiving:	11/05/2024
Date of Sampling:	08/05/2024	Date of Starting:	11/05/2024
Contract No:	GEMC-511687709317073	Date of Completion:	16/05/2024
Project Location:	RBCH - Baghewala	Date of Reporting:	16/05/2024
Stack Identification:	DG Set No.03	Type of Fuel used:	HSD
Capacity of DG Set:	500 KVA	Weather Condition:	Sunny
Environmental Condition:	Normal	Stack Height and Diameter:	10 Feet and 6.0 Inch
		Sampling Done By:	AAL

S. No.	Test Parameter	Unit	Results	Limit	Test Methods
1	Temperature of Emission	°C	246	NS	IS 11255(P-3)-2008
2	Flue Gas Velocity	m/sec.	13.36	NS	IS 11255(P-3)-2008
3	Flue Gas Flow Rate	Nm <sup>3</sup> /hr.	475.11	NS	IS 11255(P-3)-2008
4	Particulate Matter (as PM)	g/kw-hr	0.10	0.3	IS 11255(P-1)-1985
5	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	13.7	NS	IS 11255(P-2)-1985
6	Oxide of Nitrogen (as NO <sub>x</sub> )	g/kw-hr	1.18	9.2	IS 11255(P-7)-2005
7	Carbon Monoxide (as CO)	g/kw-hr	0.46	3.5	IS 13270: 1992
9	Oxygen (as O <sub>2</sub> )	%v/v	13.6	NS	IS 13270: 1992
10	Hydrocarbon (as HC)	g/kw-hr	0.34	1.3	NIOSH 1501

NS=Not Specified

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

**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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**Hubert Enviro Care Systems (P) Ltd.**A-21, III Phase, Thiru Vi Ka Industrial Estate,  
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in

**Laboratory Services Division**

(Chemical &amp; Biological Testing)

Recognized by MoEF, BIS

FSSAI Notified Laboratory

ISO 9001, 14001 &amp; 45001 Certified.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,  
Address of the Client : POINT LOCATION- =(RBCE-H) BGW 39, DRILLING & INSTALLATION AT  
Group : Atmospheric Pollution  
Sample Name : DG Stack Emission above 800 KVA  
Sample Mark : DG Set I 1500KVA  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 11255

Report No. : HECS/AP/116/190924/N  
Sample ID No : 190924367  
Sampling Date : 17/09/2024  
Received Date : 19/09/2024  
Commenced Date: 19/09/2024  
Completed On : 28/09/2024  
Report Date : 28/09/2024  
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hydrocarbon	µg/Nm <sup>3</sup>	BLQ(LOQ 0.1)	HECS-G/INS/SOP/019

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/Nm<sup>3</sup>- Micrograms per Normal cubic meter.

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



D.Anusuya  
Lab Manager  
Authorized Signatory





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Website : www.aalkundli.com

## TEST REPORT

Page 1 of 1

### 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:** 08/05/2024 to 09/05/2024

**Contract No:** GEMC-511687709317073

**Project Location:** RBCH - Baghewala

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

**Report No.** AAL ENV-20240511025

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**Weather Condition:** Sunny

**Sampling Done By:** AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	58.5		75	70
	Leq-Night	dB(A)	45.9		65	55
					55	45
					50	40

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

**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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## TEST REPORT

Page 1 of 1

### 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:** 08/05/2024 to 09/05/2024

**Contract No:** GEMC-511687709317073

**Project Location:** RBCH - Baghewala

**Sampling Location:** Near Welding Workshop Area

**Report No.** AAL ENV-20240511027

**Date of Receiving:** 11/05/2024

**Date of Starting:** 11/05/2024

**Date of Completion:** 16/05/2024

**Date of Reporting:** 16/05/2024

**Weather Condition:** Sunny

**Sampling Done By:** AAL

S. No.	Test Parameter	Unit	Results	Requirement Limits as per CPCB norms in dB(A) Leq	Category of Area / Zone	
					Day Time 06:00AM-10:00PM	Night Time 10:00PM-06:00AM
1	Noise Level					
	Leq-Day	dB(A)	60.3		75	70
	Leq-Night	dB(A)	49.6		65	55
					55	45
					50	40

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

**ASHUTOSH SRIVASTAVA**  
Deputy Technical Manager  
Authorised Signatory

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## Laboratory Services Division

(Chemical & Biological Testing)  
Recognized by MoEF, BIS  
FSSAI Notified Laboratory  
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### TEST REPORT

Page : 1 of 1

Name of the Client : M/s. Oil India Ltd.,  
Address of the Client : POINT LOCATION- =(RBCE-H) BGW 39, DRILLING & INSTALLATION AT  
Group : Atmospheric Pollution  
Sample Name : Ambient Noise Levels (Excluding vibration)  
Sample Mark : Noise  
Sample Reference : NA  
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.  
Sample Location : NA  
Environmental Condition : Temperature (°C) : 30.0 | Humidity (%) : 55.0  
Sampling Method & Plan : IS 9989 : 1981

ULR : TC1231024000045714F  
Report No. : HECS/AP/132/190924  
Sample ID No : 190924383  
Sampling Date : 17/09/2024 To 18/09/2024  
Received Date : 19/09/2024  
Commenced Date : 19/09/2024  
Completed On : 28/09/2024  
Report Date : 28/09/2024  
Sample quantity : NA

S.No	Location	Day Noise Level in dB(A)
1	MAIN GATE	63.5
2	NEAR DS ROOM	62.3
3	NEAR CANTEEN	64.2

#### Noise Standards - CPCB:

i. Industrial Area : Day Time-75 dB (A); Night Time-70 dB (A).

Remarks:- The noise level meets the requirement of CPCB Limits

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



D.Anusuya  
Lab Manager  
Authorized Signatory

**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

राजस्थान (राज.)  
9 OCT 2016

9 OCT 2016

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 out side 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 Proporational Module (APM) structure and a water course (carrier system) with gravity drainage up to the reservoir of OIL as per the request of OIL authority. The OIL has paid for the full cost of design and Engineering as determined by IGNP.
- (3) The OIL shall arrange, operate & maintain the water reservoir of required capacity to store raw water, as the supply be done only when the Charanwala Branch is in running condition. Also OIL shall maintain the carrier system i.e. water course at his own cost.
- (4) That OIL shall pay for water actually drawn with the provisions of hereof at the rate for the category of Industrial use presently being Rupees Twenty (20/-) per thousand cu.ft. The rate would be subject to revision from time to time as may be decided by GOR. The OIL shall maintain the discharge measuring flume, if any, installed on their works at own cost, for measuring the quantity of water drawn from the Charanwala Branch of IGNP.
- (5) As the supply of raw water shall be made through the APM, installed by IGNP hence the discharge shall be calculated on the basis of design discharge of APM & accordingly billing will be done & OIL shall have to pay the cost of water as per bill.
- (6) That the supplies of water shall ordinarily be available on Charanwala Branch except on account of rotational closer or for repairs or for reasons which may be in the opinion of the Chief Engineer, IGNP, Bikaner warrant such a closure.
- (7) That OIL shall pay the bills of IGNP on monthly basis, within 15 days from the date of receipt of the bill and in case of default in making the payment, GOR shall have the right to cut off supplies, if the bill are not paid within 30 days of presentation thereof. Without prejudice as aforesaid interest at the rate of 13% (Thirteen percent) per annum shall be paid by OIL on the unpaid amount of the bill.
- (8) OIL shall use water only for the purpose specified in this agreement and shall not utilize or sell water for any other commercial or Industrial purpose outside the project. GOR shall have right to inspect all works of

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

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

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

- (11) Implementation of the Agreement

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

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

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

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

#### CHOICE OF LAW AND DISPUTE RESOLUTION

- (16) Governing Law

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



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

### Settlement of Disputes

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

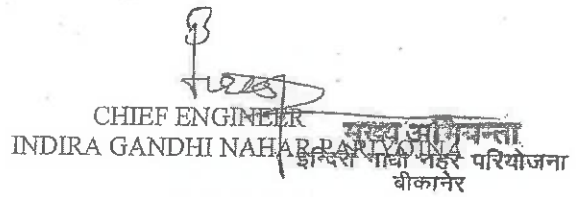
- I) Administrative Secretary concerned
- II) Finance Secretary or his nominee, not below the rank of Deputy Secretary.
- III) Principle Secretary, Law Department or his nominee not below the rank of Joint, Legal Remambrancer.
- IV) Secretary, Indira Gandhi Nahar Board.
- V) Chief Engineer concerned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

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

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



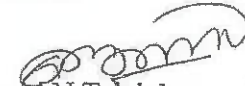
EXECUTIVE DIRECTOR (RP)  
OIL INDIA LIMITED.  
ऑयल इण्डिया लि., जोधपुर  
N.R. Deka  
Executive Director (R.P.)  
Oil India Ltd. Jodhpur



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

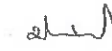
On behalf of  
Governor of the State of Rajasthan


Witness:

1)   
M.N. Talukdar

2)   
Gaurav Goel

Witness:

1)   
चौथमल चौधरी  
अमुअ, इगानप, बीकानेर

2)   
T.A. A. A.  
अधिशायी अभियन्ता एवं प्र. त.  
कृते असिपिक्त मुख्य अभियन्ता  
इ. गां. न. प., बीकानेर



Sustainability

# BALOTRA WASTE MANAGEMENT PROJECT

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

Treatment Storage and Disposal Facility (TSDF)

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

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

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

## Membership Certificate For Managing Hazardous Wastes

This is certify that M/s

Oil India Limited

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

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

006 From 03.06.2024

and valid upto 02.06.2025

Project Head



Annexure V





Sustainability

Date 3<sup>rd</sup> June 2024

To,

**M/s. OIL INDIA LIMITED**

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

Email id: HSE\_RF@oilindia.in

Kind Attention: Sh. Siddharth Singh

**Sub: -TSDF Membership**

Dear Sir,

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

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

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


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

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

Please contact us for any further information and clarification.

Thank you.

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

Authorized Signatory  


**Balotra Waste Management Project**  
(A Division of Re Sustainability Limited)


Site Address:

Survey No & Plot No -1114/274/13 & 1115/274/14,  
Village: Kher, Tehsil: Pachpadra,  
Dist: Barmer - 344022, Rajasthan, India.  
CIN No. U74140TG1994PLC018833

**Re Sustainability Limited**  
(formerly known as Ramky Enviro Engineers Limited)

Registered Office:

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

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

T: +91 96729 81446  
E: bwmp@resustainability.com  
resustainability.com

**FORM-V**  
**See Rule (14)**

**Environmental Statement for the financial year ending the 31st March 2024**

**PART-A**

- I. Name and address of the owner/occupier of the industry operation or process      General Manager (P)- Rajasthan Project, Oil India Ltd. 2-A, District Shopping Centre, Saraswati Nagar, Basni, Jodhpur, Rajasthan - 342005.
- II. Industry category      Primary - (STC Code) **RED**  
Secondary - (STC Code) **Heavy Crude Oil Production**
- III. Production capacity (Units)      Average of 75 MT\day (Metric Ton)
- IV. Year of establishment      EPS-BGW-1991 (Production Setup, Heavy Crude Oil)
- V. Date of the last environmental statement submitted      09.10.2023

**PART-B**

**Water and Raw Material Consumption**

(i) **Water consumption m<sup>3</sup>/d**

Process - 20.0 m<sup>3</sup>/day (used in boiler for crude loading purpose)  
Cooling - NIL  
Domestic - 3.5 m<sup>3</sup>/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
Heavy crude	1.008 Tons of water consumed per barrel.	0.1096 Tons of water consumed per barrel



**(ii) Raw material consumption**

Name of Raw Material*	Name of products	Consumption of raw material per unit of output (Per meter)	
		During the previous financial year (22-23)	During the current financial year (23-24)
Not applicable	Heavy Crude Oil	Nil	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 10=82.7 µg/m³ 2. Particulate Matter, PM2.5 =46.2 µg/m³ 3. SO2=13.9 µg/m³ 4. NO2=21.4 µg/m³ 5. CO=1.2 mg/m³ 6. Hydrocarbon as Methane=BDL (DL=1.0) 7. Hydrocarbon as Non Methane= BDL (DL=1.0) 8. VOC= BDL (DL=1.0) 9. Mercury(HG) = BDL (DL:0.001 µg/m³)	All the tested parameters meet the requirement of National Ambient Air Quality Standard as per CPCB

**PART-D**  
**HAZARDOUS WASTES**

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

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year (22-23)	During the current financial Year (23-24)
(a) From process (i) Burnt oil (ii) Formation Water	i) 920 liters ii) 8.341 KL	1910 liters 0 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	N.A.	N.A.
(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	NA
Used batteries	Sent to suppliers as per corporate buy back policy.
Formation Water	NA

**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 environment protection including abatement of pollution.

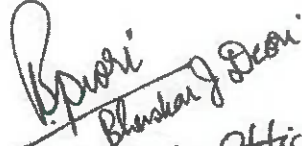
- a. Replacement of old DG sets with new high efficiency acoustic type DG Sets.
- b. Plantation of trees
- c. Proper maintenance of boiler furnace to avoid air pollution.

**PART- I**

Any other particulars in respect of environmental protection and abatement of pollution.

- a. Plantation of trees in and around the installation.
- b. Periodic AAQMS and noise survey as per plans.

**Yours Faithfully**

  
General Manager (Production) – Officiating  
Mines Manager  
Production-Mines (Rajasthan Fields)  
Date: - 21/06/2024

MINES MANAGER (P)  
OIL INDIA LIMITED  
JAISALMER MINE