



उप-तल प्रबंधक
मेहसाणा परिसंपत्ति
Sub surface Manager,
Mehsana Asset

ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड
Oil and Natural Gas Corporation Limited
केडीएम भवन, पालवासना, मेहसाणा -384 003
KDM Bhavan, Palavasana, Mehsana-384 003
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NO: MHN/SST/EC-Compliance/2025-26

Date: 21.05.2025

From: GM(Geology)-Sub surface Manager, ONGC, Mehsana Asset, Mehsana

To: **Integrated Regional Office, Gandhinagar**
A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle,
Sector-10A, Gandhinagar-382010
Email: iro.gandhingr-mefcc@gov.in

Subject: **Submission of Six-Monthly EC compliance report (01.10.2024 to 31.03.2025) of M/S. ONGC LTD. in Oil Field of Mehsana Asset, District: Mehsana, State: Gujarat**

Reference: **Environmental Clearance (EC) letter No. J-11011/503/2011-IA II (I), dated 25th January, 2021**

Respected Sir,

ONGC Mehsana has obtained EC for Onshore Development and Production of Oil & Gas from 391 wells in 40 ML Blocks of Distracts Mehsana, Ahmedabad and Gandhinagar, Gujarat.

Point-wise Six-Monthly compliance report for the period of **01.10.2024 to 31.03.2025 of referred Environmental Clearance** along with supporting document is being uploaded at Parivesh Portal of MoEF&CC.

Warm Regards


(अशोक कुमार)

Ashok Kumar

GM(Geology)-Sub surface Manager,
ONGC, Mehsana Asset, Mehsana

For, Oil and Natural Gas Corporation Limited, Mehsana Asset

Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name		Development Drilling of 406 wells by M/s ONGC located at Mehsana, Gandhinagar, Ahmedabad and Patan in Gujarat	
Name of Entity / Corporate Office		Har Sharad Dayal	
Village(s)		N/A	
District		MAHESANA	
Proposal No.	IA/GJ/IND2/151758/2011	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	GUJARAT	Entity's PAN	*****EQUIRED
MoEF File No.	J-11011/503/2011-IA II (I)	Entity name as per PAN	OIL AND NATURAL GAS CORPORATION LIMITED

Compliance Reporting Details

Reporting Year 2025
Remarks (if any) 01.10.2024 to 31.03.2025
Reporting Period 01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Har Sharad Dayal

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	12100	12100
Total	12100	12100

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Oil (in MMT)	Others:MMT	N/A	2.103526	2.103526	
2	Gas (in MMSCM)	Others:MMSCM	N/A	185.616338	185.616338	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.
PPs Submission: Agreed to Comply It is ensured that No pipeline is laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.		Date: 21/05/2025
2	WATER QUALITY MONITORING AND PRESERVATION	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Mobile ETP along with RO plant shall be installed to treat the waste water.
PPs Submission: Complied Zero liquid discharge is being ensured at all drilling rigs and no waste water is discharged to any surface body. Waste water is collected in HDPE lined pit for solar drying.		Date: 21/05/2025
3	WATER QUALITY MONITORING AND PRESERVATION	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology
PPs Submission: Complied All the installations are equipped with online gas detector fixed in hazardous areas for monitoring of H2S, Hydrocarbons or other hazardous gases. Portable multi gas detectors are also available at sites.		Date: 21/05/2025
4	WATER QUALITY MONITORING AND PRESERVATION	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.
PPs Submission: Complied Plantation is carried out regularly to create carbon sink. Further, studies to carry out CCUS are in process at IRS- Ahmedabad. ONGC will implement proven technology in due course of time.		Date: 21/05/2025
5	Noise Monitoring & Prevention	The project proponent shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.
PPs Submission: Complied Acoustic enclosure are provided at all drilling rigs for the DG sets. Stack height is kept adequate as per CPCB guidelines.		Date: 21/05/2025
6	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement shall not exceed 25 cum/day/well. Prior permission shall be obtained from the concerned regulatory authority. Mobile ETP coupled with RO shall be installed to reuse the treated water in drilling system. Size of the waste shall be equal to the hole volume + volume of drill cutting and volume of discarded mud if any. Two feet free board may be left to accommodate rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above.
PPs Submission: Complied Fresh water consumption is restricted to 25 m3/day. Treated effluent is used for brine/mud preparation. Brine/mud is recycled to the maximum possible extent.		Date: 21/05/2025

7	WATER QUALITY MONITORING AND PRESERVATION	The company shall construct the garland drain 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.
PPs Submission: Complied Garland drain is constructed at every drillsite prior to the drilling operation starts.		Date: 21/05/2025
8	WASTE MANAGEMENT	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546 (E) dated 30th August, 2005.
PPs Submission: Complied Drilling wastewater and drill cuttings wash water is collected in disposal pit lined with HDPE lining. Water Based mud is used and tested for hazardous contaminants remains within permissible limits. Monitoring reports enclosed.		Date: 21/05/2025
9	WASTE MANAGEMENT	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.
PPs Submission: Complied Oil spillage prevention scheme is in place. Spillages if any, are tackled conforming to guidelines and standards. Further, facility for in-situ and ex-situ bioremediation of oily sludge is in practice.		Date: 21/05/2025
10	Risk Mitigation and Disaster Management	The project proponent shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At fixed installations or plants use of 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.
PPs Submission: Complied Disaster Management Plan and Site-Specific contingency plan are in place. Vertical hot flaring is in practice. Ambient air quality monitoring is carried out and parameters are under permissible limits. Ambient Air Quality Monitoring (Sample) Report enclosed.		Date: 21/05/2025
11	Human Health Environment	The project proponent shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H2S detectors in locations of high risk of exposure along with self-containing breathing apparatus.
PPs Submission: Complied Emergency Response Plan for H2S release is available. Disaster Management Plan and Site-Specific contingency plan are in place. H2S detectors and breathing apparatus are available at rigs/Installations.		Date: 21/05/2025
12	Risk Mitigation and Disaster Management	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations
PPs Submission: Complied		Date:

Blowout preventer (BOP) system is mandatorily installed on each well to prevent well blowout during drilling operations.		21/05/2025
13	Human Health Environment	On completion of the project, necessary measures shall be taken for safe plugging of wells with secured enclosures to restore the drilling site to the original condition. The same shall be confirmed by the concerned regulatory authority from environment safety angle. In case of hydrocarbon not found economically viable, a full abandonment plan shall be implemented for the drilling site in accordance with the applicable DGH / Indian Petroleum Regulations.
PPs Submission: Agreed to Comply Sites are not abandoned in general because either they are having flowing wells connected to the nearest GGS or they are kept for future developments. Being Complied in case of abandonment.		Date: 21/05/2025
14	PUBLIC HEARING	All the commitments made to the public during public hearing/consultation shall be satisfactorily implemented. As committed Rs. 8.77 crore shall be allocated for Corporate Environment Responsibility (CER) shall be utilized for meeting the commitment of the issues of public hearing. The CER plan shall be completed before commissioning or expansion project.
PPs Submission: Being Complied Rs. 6.99 Crore has been spent/ Plan in place till 31.03.2025. It is planned to utilize committed sum of Rs. 8.77 crore within the stipulated time as per the directives of O.M. of MoEF and CC on CER.		Date: 21/05/2025
15	Statutory compliance	No lead acid batteries shall be utilized in the project/site.
PPs Submission: Agreed to Comply At present batteries are disposed-off on buy-back policy to OEM.		Date: 21/05/2025
16	Human Health Environment	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules. All workers & employees shall be provided with required safety kits/mask for personal protection.
PPs Submission: Complied Occupational Health surveillance is in practice as per existing corporate policy. All workers and employees are provided with required Personal Protective Equipment.		Date: 21/05/2025
17	Statutory compliance	Oil content in the drill cuttings shall be monitored and report & shall send to the Ministry's Regional Office.
PPs Submission: Complied Only water-based mud is being used in drilling of wells. Wastewater and cuttings are analysed for oil and grease content by NABL accredited and GPCB approved agencies. Sample reports enclosed		Date: 21/05/2025
18	MISCELLANEOUS	The project proponent shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.
PPs Submission: Complied Standard Operating Procedures for Drilling Operations have been developed and given to designated persons at all drilling Rigs/ sites. Awareness programs and Monitoring are done regularly.		Date: 21/05/2025

19	Statutory compliance	The company shall 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, and risk mitigation measures relating to the project shall be implemented.
PPs Submission: Agreed to Comply All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project are being implemented during operations.		Date: 21/05/2025
20	AIR QUALITY MONITORING AND PRESERVATION	Approach road shall be made pucca to minimize generation of suspended dust.
PPs Submission: Complied Pucca Roads are constructed at every location, where the well is planned to be drilled. Periodical repair and maintenance is carried out to control suspended dust.		Date: 21/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
PPs Submission: Agreed to Comply Agreed to comply in case of further expansion or modifications		Date: 21/05/2025
2	ENERGY PRESERVATION MEASURES	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
PPs Submission: Complied LED based Lighting is being used.		Date: 21/05/2025
3	Noise Monitoring & Prevention	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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied Noise level is monitored regularly The overall noise levels in and around the rig area is well within the stipulated standards. The ambient noise levels also conform to the EP Rules, 1989. Noise Monitoring (Sample) Report enclosed.		Date: 21/05/2025
4	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding

		area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Being Complied For socio-economic welfare in the nearby area sufficient measures are undertaken in CER. CER and CSR activities are also in process and are being implemented as per government.		Date: 21/05/2025
5	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change 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.
PPs Submission: Complied Sufficient funds are earmarked towards capital cost and recurring cost per annum. It is ensured that earmarked funds are not diverted for any other purpose.		Date: 21/05/2025
6	Statutory compliance	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
PPs Submission: Complied An advertisement regarding grant of EC has been published in two newspapers i.e. Indian Express and Gujarat Samachar on 29.01.2021. Advertisement copy enclosed.		Date: 21/05/2025
7	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
PPs Submission: Being Complied Compliance reports are being updated on Parivesh portal regularly.		Date: 21/05/2025
8	Statutory compliance	The environmental statement for each financial year ending 31st March in Form V as is mandated shall be submitted 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 MoEF&CC by e-mail.
PPs Submission: Being Complied Environment Statement for each financial year is being submitted regularly and the same will ensured in the future. Copy of Form V enclosed.		Date: 21/05/2025
9	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the

		Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
PPs Submission: Complied EC advertised in 2 newspapers Indian Express and Gujarat Samachar on 29.01.2021 also uploaded on https://ongcindia.com/web/eng/sustainability/environment/environment-clearance		Date: 21/05/2025
10	Statutory compliance	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
PPs Submission: Agreed to Comply Agreed to comply.		Date: 21/05/2025
11	MISCELLANEOUS	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
PPs Submission: Agreed to Comply Agreed to Comply		Date: 21/05/2025
Visit Remarks		
Last Site Visit Report Date:		03/02/2025
Additional Remarks:		Sample Report- Ambient Air Quality Monitoring and Stack Emission Monitoring
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.		

Ambient Air Quality
Monitoring
And
Stack Emission
Monitoring
Sample Reports

TEST REPORT
(AMBIENT AIR MONITORING)

Discipline.	Chemical Testing	Name Of Group	Atmospheric Pollution
Test Report No.:	UERL/25/03/ONGC/A-028	Report Issue Date	10/04/2025
Service Request form No.:	UERL/AIR/D/SRF/03/028	Service Request Date	28/03/2025
Sample ID No.:	UERL/AIR/D/ID/A-25/03/028	Field Data Sheet No.	UERL/AIR/D/FDS/A-25/03/028
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset		
Dates of Sampling:	26/03/2025	Date of Testing	28/03/2025
Location of Sampling / Monitoring:	IPS M700 VI-#NKDDP - Near Bunk House Area		
Sampling Method	IS:5182(Part-14) and IS:5182 (Part-5)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/ONGC/02	Respirable Dust Sampler	231-I-2019	18/06/2024	17/06/2025
UERL/AIR/FPS/ONGC/02	Fine Particulate Sampler	180502069	18/06/2024	17/06/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.0
2.	Flow Rate of PM ₁₀	m ³ /min	1.16
3.	Volume of Air Sampled for PM ₁₀	m ³	1670.4
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.05

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter as PM ₁₀	µg/m ³	66	100	IS 5182 (Part-23)
2.	Particulate Matter as PM _{2.5}	µg/m ³	20	60	IS 5182 (Part-24)
3.	Sulphur Dioxide as SO ₂	µg/m ³	13.3	80	IS 5182 (Part-2)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	20.8	80	IS 5182 (Part-6)
5.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2	IS: 5182 (Part 10)
6.	Hydrogen Sulphide (H ₂ S)	µg/m ³	BDL (MDL:6.0)	150	IS 5182 (Part-7)

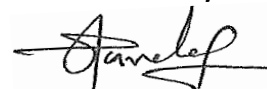
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(AMBIENT AIR MONITORING)

Discipline.	Chemical Testing	Name Of Group	Atmospheric Pollution
Test Report No.:	UERL/25/03/ONGC/A-034	Report Issue Date	10/04/2025
Service Request form No.:	UERL/AIR/D/SRF/03/034	Service Request Date	29/03/2025
Sample ID No.:	UERL/AIR/D/ID/A-25/03/034	Field Data Sheet No.	UERL/AIR/D/FDS/A-25/03/034
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset		
Dates of Sampling:	27/03/2025	Date of Testing	29/03/2025
Location of Sampling / Monitoring:	NG 1500-3- #LJBE - Near Electrical Incharge Area		
Sampling Method	IS:5182(Part-14) and IS:5182 (Part-5)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/ONGC/02	Respirable Dust Sampler	231-I-2019	18/06/2024	17/06/2025
UERL/AIR/FPS/ONGC/02	Fine Particulate Sampler	180502069	18/06/2024	17/06/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.0
2.	Flow Rate of PM ₁₀	m ³ /min	1.19
3.	Volume of Air Sampled for PM ₁₀	m ³	1713.6
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.05

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter as PM ₁₀	µg/m ³	59	100	IS 5182 (Part-23)
2.	Particulate Matter as PM _{2.5}	µg/m ³	22	60	IS 5182 (Part-24)
3.	Sulphur Dioxide as SO ₂	µg/m ³	20.3	80	IS 5182 (Part-2)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	20.6	80	IS 5182 (Part-6)
5.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2	IS: 5182 (Part 10)
6.	Hydrogen Sulphide (H ₂ S)	µg/m ³	BDL (MDL:6.0)	150	IS 5182 (Part-7)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-131	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-131	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/131	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/131
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	DG Set 1 (500 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	5.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	13.2
5.	Exit Gas Flow	m ³ /h	1492.1

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.13	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.16	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	1.04	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-132	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-132	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/132	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/132
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	DG Set 2 (500 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	5.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	12.6
5.	Exit Gas Flow	m ³ /h	1424.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.12	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.17	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	1.02	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-133	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-133	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/133	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/133
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Carrier Engine 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	14.6
5.	Exit Gas Flow	m ³ /h	1650.4

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.11	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.26	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.96	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-134	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-134	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/134	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/134
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Carrier Engine 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	14.8
5.	Exit Gas Flow	m ³ /h	1673.0

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.13	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.35	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.92	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-135	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-135	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/135	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/135
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mud Pump 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	11.3
5.	Exit Gas Flow	m ³ /h	1277.4

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.08	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NOx) + N-Hydro Carbon (HC)	gm/kW-hr	2.64	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.78	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-136	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-136	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/136	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/136
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mud Pump 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.8
5.	Exit Gas Flow	m ³ /h	1220.8

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.07	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.51	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.82	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-137	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-137	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/137	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/137
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Fire Pump		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.071
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	12.2
5.	Exit Gas Flow	m ³ /h	3105.1

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.06	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.84	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.78	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-138	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-138	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/138	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/138
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mobile Compressor		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	11.6
5.	Exit Gas Flow	m ³ /h	1311.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.08	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NOx) + N-Hydro Carbon (HC)	gm/kW-hr	2.63	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.64	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-139	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-139	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/139	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/139
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Air Compressor 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.7
5.	Exit Gas Flow	m ³ /h	1209.5

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.05	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.51	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.77	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-140	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-140	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/140	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/140
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Air Compressor 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.3
5.	Exit Gas Flow	m ³ /h	1164.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.07	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.43	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.72	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

Drill-Cutting Analysis Sample Reports

Test Report
Soil /Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, ONGC Mehsana.	Report No: GLEL/190425/03 Issue Date: 24/04/2025
---	---

Lab ID Code	:	GLEL/190425/SL ₃		
Sample Description	:	Well: MWEM RIG : E-760-18(Waste Pit Soil /Drill cutting Sample)	Purpose	: As per Client requirement
Date of Sampling collection	:	10/03/2025	Sample collected by	: R NATH
Date of Spudding	:	17/02/2025	Test Parameters	: As per Client requirement
Date of Release	:	08/03/2025		
Date of Sample Received	:	19/04/2025	Quantity/No. of sample	: 250 g/01
Date of completion Analysis	:	24/04/2025	Packed/Seal	: Packed

Result Table

Sr. No.	Parameters	Test Method	Unit	Result
1	pH at 25°C (10% Solution)	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.52
2	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/kg	0.25
3	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/kg	ND
4	Chloride	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.16	mg/kg	236.1
5	Chromium	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.23	mg/kg	ND
6	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/kg	0.41
7	Mercury	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.26	mg/kg	ND

Note: ND: Not Detected



Chemist



Authorized Signatory
Rekha Dare

CIN : U29253GJ2010PLC059798

Recognised by MoEF, Govt of India, EP Act 1986; NABL accredited; GPCB Schedule II Environment Auditor; ISO-45001-2018, ISO 9001:2015 Certified Laboratory.

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Registered Office : 304, Kankavati Complex, Singanpor-Cauzway Road, Katargam, Surat-395 004. Tel : +91-9327565428/761.

Test Report
Soil /Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, ONGC Mehsana.	Report No: GLEL/190425/02 Issue Date: 24/04/2025
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Lab ID Code	: GLEL/190425/SL ₂		
Sample Description	: Well: SBNN RIG : E-760-18(Waste Pit Soil /Drill cutting Sample)	Purpose	: As per Client requirement
Date of Sampling collection	: 14/02/2025	Sample collected by	: R NATH
Date of Spudding	: 22/01/2025	Test Parameters	: As per Client requirement
Date of Release	: 13/02/2025	Quantity/No. of sample	: 250 g/01
Date of Sample Received	: 19/04/2025	Packed/Seal	: Packed
Date of completion Analysis	: 24/04/2025		

Result Table

Sr. No.	Parameters	Test Method	Unit	Result
1	pH at 25°C (10% Solution)	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.31
2	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/kg	0.25
3	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/kg	ND
4	Chloride	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.16	mg/kg	284.6
5	Chromium	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.23	mg/kg	ND
6	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/kg	0.31
7	Mercury	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.26	mg/kg	ND

Note: ND: Not Detected


Chemist


Authorized Signatory
Rekha Dare

CIN : U29253GJ2010PLC059798

Recognised by MoEF, Govt of India, EP Act 1986; NABL accredited; GPCB Schedule II Environment Auditor; ISO-45001:2018, ISO 9001:2015 Certified Laboratory.

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Test Report
Water Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, Mehsana.	Report No: GLEL/190425/03 Issue Date: 24/04/2025
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Lab ID Code	: GLEL/190425/WL ₃	Purpose	: As per Client requirement
Sample Description	: Well: MWEM RIG : E-760-18 (Waste Pit Water Sample)	Sampling procedure	: IS 17614 (P-10) 2021
Date of Sampling collection	: 10/03/2025	Sample collected by	: R NATH
Date of Spudding	: 17/02/2025	Test Parameters	: As per Client requirement
Date of Release	: 08/03/2025		
Date of Sample Received	: 19/04/2025	Quantity/No. of sample	: 500 mL/01
Date of completion Analysis	: 24/04/2025	Packed/Seal	: Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	GPCB Limit
1	pH at 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.21	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2023)	°C	25.4	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	63.7	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2023)	mg/L	1524.8	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2023)	mg/L	28.1	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2023)	mg/L	87.6	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.8	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	412.2	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	502.8	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	ND	1.2
11	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/L	0.52	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND	0.3
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND	0.01
20	Sodium	IS 3025 (P-45) 1993 (Reaffirmed 2019)	mg/L	50.1	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2022)	mg/L	1.2	2.0

Note: ND: Not Detected, **Detectable Limit:** Total Chromium: 0.03 mg/L, Hexavalent Chromium: 0.03 mg/L, Copper: 0.02 mg/L, Nickel: 0.01 mg/L, Zinc: 0.01 mg/L, Lead: 0.01 mg/L, Mercury: 0.01 mg/L, Phenolic Compound: 0.01 mg/L.


Chemist


Authorized Signatory
Rekha Dare

CIN : U29253GJ2010PLC059798

Recognised by MoEF, Govt of India, EP Act 1986; NABL accredited; GPCB Schedule II Environment Auditor; ISO-45001-2018, ISO 9001:2015 Certified Laboratory.

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Registered Office : 304, Kankavati Complex, Singanpor-Cauzway Road, Katargam, Surat-395 004. Tel : +91-9327565428/761.

Test Report
Water Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, Mehsana.	Report No: GLEL/190425/02 Issue Date: 24/04/2025
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Lab ID Code	: GLEL/190425/WL ₂	Purpose	: As per Client requirement
Sample Description	: Well: SBNN RIG : E-760-18 (Waste Pit Water Sample)	Sampling procedure	: IS 17614 (P-10) 2021
Date of Sampling collection	: 14/02/2025	Sample collected by	: R NATH
Date of Spudding	: 22/01/2025	Test Parameters	: As per Client requirement
Date of Release	: 13/02/2025		
Date of Sample Received	: 19/04/2025	Quantity/No. of sample	: 500 mL/01
Date of completion Analysis	: 24/04/2025	Packed/Seal	: Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	GPCB Limit
1	pH at 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.52	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2023)	°C	25.5	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	85.1	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2023)	mg/L	1692.4	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2023)	mg/L	25.9	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2023)	mg/L	85.3	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	354.8	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	414.3	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	ND	1.2
11	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/L	0.42	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND	0.3
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND	0.01
20	Sodium	IS 3025 (P-45) 1993 (Reaffirmed 2019)	mg/L	52.4	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2022)	mg/L	1.3	2.0

Note: ND: Not Detected, Detectable Limit: Total Chromium: 0.03 mg/L, Hexavalent Chromium: 0.03 mg/L, Copper: 0.02 mg/L, Nickel: 0.01 mg/L, Zinc: 0.01 mg/L, Lead: 0.01 mg/L, Mercury: 0.01 mg/L, Phenolic Compound: 0.01 mg/L.


Chemist


Authorized Signatory
Rekha Dare

CIN : U29253GJ2010PLC059798

Recognised by MoEF, Govt of India, EP Act 1986; NABL accredited; GPCB Schedule II Environment Auditor; ISO-45001-2018, ISO 9001:2015 Certified Laboratory.

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Form-V
Environmental
Statement
FY- 2024-25

FORM-V				
(Under Rule 14)				
Environmental statement for the financial year ending the 31 st March-2025				
PART-A				
1.	Name & Address of the owner/ occupier of the industry operation or process	Head Drilling Services ONGC Mehsana Asset, KDM Bhawan, Palavasana Mehsana-384 003		
2.	Production capacity Units	NA		
3.	Year of establishment	1967		
4.	Date of the last Environment Statement submitted	30.09.2024		
PARTB				
1.	Water consumption M3/day (Process / Cooling / Domestic)			
	Name of the product	Process water consumption per unit of product output		
		During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)	
i.	Drilling operations like mud preparation etc.	27661 M3/year	68115 M3/year	
2.	Raw Material consumption			
	Name of Raw Material	Name of Products	Consumption of raw material per unit of out put	
		During the Current Financial Year (2023-24)	During the Current Financial Year (2024-25)	
i.		Not Applicable	Not Applicable	
Note: No raw material is used in drilling of wells				
PART C				
Pollution discharged to Environment/Unit of output				
(Parameter as specified in the consent issued)				
	Pollutant	Quantity of pollutants discharge (mass/day)	Concentration of pollutants in discharged (mass/Volume)	Percentage of variation from prescribed standard reason
1.	Water (Drill Cuttings and Mud)	Refer Annexure-A for Characteristics of Drill cuttings and Mud		
2.	Air	Refer Annexure-B#		
Note: #Ambient / Stack Emission Quality Monitoring have been carried out regularly for installations / rigs and parameters are well within the permissible limits as prescribed by GPCB. (Report enclosed for ready reference)				

PART – D			
HAZARDOUS WASTES			
(As specified under Hazardous waste (Management, Handling and Trans boundary) Rule 2016			
	Hazardous wastes	Total quantity (MT)	
		During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
1.	Spent oil (M3)	5908 liters	24710 liters
2.	Oily Waste, MT	316 Kg	404 kg
3.	Discarded container	719 Nos.	58 Nos.
4.	Empty Bags	NIL	900kgs
5.	Any other		
	1. Oil filters	2796 Nos.	1626 Nos.
	2. Scrap, rubber waste, hand gloves, cotton waste, casing protector & pieces	4177 kg	7546 kg
	3. RUBBER HOSE	40 Nos.	21 Nos.
	4. Ring gaskets	29 Nos.	27 Nos.
	5. Old tyres	04 Nos.	02 Nos.
	6. Oil soaked gloves pair	70 Nos.	560 Nos.
	7. Manila rope	300 kg	250 kg
	8. Air Filter	1113 Nos	1085 Nos
	9. Empty Barrels	140 Nos	154 Nos

PART – E			
Solid Waste (Drilling Cutting)			
	Wastes	Total quantity (M ³)	
		During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
1.	From Process	9794 M3	12384 M3
2.	From Pollution Control facility	Nil	Nil
3.	Quality recycled or re-utilized/sold	Nil	Nil
4.	Disposed	9794 M3	12384M3
5.	Any other 1. Scrap, rubber waste, hand gloves	230 Kg	230Kg
PART – F			
Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.			
1.	Spent oil (Cat#5.1)	During overhauling of pumps/ compressors, wear and tears, spent oil is generated same is being disposed-off through MoEFCC vendor i.e. MSTC Vadodara.	
2.	Oily Waste (Cat#2.2)	During cleaning of Heater Treater oily waste is generated same is being treated through Bioremediation Process.	
3.	Discarded Container (Cat#33.11)	Empty containers are generated after use of chemical, HSD and POL. Same are being disposed-off through MoEFCC approved vendor i.e. MSTC Vadodara.	
4.	Inert Solid Waste	During the drilling operation rock cuttings are generated as solid waste and the same is disposed inside lined pits. (Drill cuttings are non-hazardous as water-based mud is being used.)	
PART – G			
Impact of the pollution abatement measures taken on conservation of natural resource and on the cost of production.			
1.	Effluent is being used for Brine preparation (used for Work over Jobs) and also used for EOR operations/injection. Thus, saving of fresh water.		
2.	Drilling fluid is being recycled to conserve chemicals and fresh water and same time environment protection also. Approx 79880 M ³ effluent was used in brine preparation, thereby conserving fresh water and reusing effluent.		

PART – H	
Additional measures/investment proposal for Environment protection including abatement of pollution, prevention of pollution	
1.	More than 125 nos. of plants planted in area in different locations of Drilling services Mehsana Asset including Drilling rigs & Plants
2.	Oily contaminated waste/soil: - Generated during spillage of crude oil / leakage of oil pipe lines etc. This oily waste is bio-remediated through M/s OTBL (ONGC TERI Biotech Ltd.), New Delhi.
PART – I	
Any other particulars for improving the quality of the Environment	
1.	Environmental awareness programs e.g.: Training, display of environment signboards, distribution of stickers/slogans etc.
2.	World Environment Day celebration, Sapling Plantation & distribution of saplings among the employees. Also, regular saplings plantation done in monsoon season.
3.	Adoption of 100 % QHSE certification based on ISO-14001, ISO-9001 & ISO-45001 for all the installations / establishments.

Annexure – A

Test Report
Soil /Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, ONGC Mehsana.	Report No: GLEL/190425/03 Issue Date: 24/04/2025
---	---

Lab ID Code	:	GLEL/190425/SL ₃		
Sample Description	:	Well: MWEM RIG : E-760-18(Waste Pit Soil /Drill cutting Sample)	Purpose	: As per Client requirement,
Date of Sampling collection	:	10/03/2025	Sample collected by	: R NATH
Date of Spudding	:	17/02/2025	Test Parameters	: As per Client requirement
Date of Release	:	08/03/2025		
Date of Sample Received	:	19/04/2025	Quantity/No. of sample	: 250 g/01
Date of completion Analysis	:	24/04/2025	Packed/Seal	: Packed

Result Table

Sr. No.	Parameters	Test Method	Unit	Result
1	pH at 25°C (10% Solution)	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.52
2	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/kg	0.25
3	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/kg	ND
4	Chloride	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.16	mg/kg	236.1
5	Chromium	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.23	mg/kg	ND
6	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/kg	0.41
7	Mercury	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.26	mg/kg	ND

Note: ND: Not Detected



Chemist



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Test Report
Soil /Drill Cutting Sample Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, ONGC Mehsana.	Report No: GLEL/190425/02 Issue Date: 24/04/2025
---	---

Lab ID Code	: GLEL/190425/SL ₂	Purpose	: As per Client requirement
Sample Description	: Well: SBNN RIG : E-760-18(Waste Pit Soil /Drill cutting Sample)	Sample collected by	: R NATH
Date of Sampling collection	: 14/02/2025	Test Parameters	: As per Client requirement
Date of Spudding	: 22/01/2025	Quantity/No. of sample	: 250 g/01
Date of Release	: 13/02/2025	Packed/Seal	: Packed
Date of Sample Received	: 19/04/2025		
Date of completion Analysis	: 24/04/2025		

Result Table

Sr. No.	Parameters	Test Method	Unit	Result
1	pH at 25°C (10% Solution)	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.31
2	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/kg	0.25
3	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/kg	ND
4	Chloride	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.16	mg/kg	284.6
5	Chromium	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.23	mg/kg	ND
6	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/kg	0.31
7	Mercury	Handbook of Methods in Env. Studies by S.K. Maiti Vol. II-11.26	mg/kg	ND

Note: ND: Not Detected


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Test Report
Water Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, Mehsana.	Report No: GLEL/190425/03 Issue Date: 24/04/2025
--	---

Lab ID Code	:	GLEL/190425/WL ₃			
Sample Description	:	Well: MWEM RIG : E-760-18 (Waste Pit Water Sample)	Purpose	:	As per Client requirement
Date of Sampling collection	:	10/03/2025	Sampling procedure	:	IS 17614 (P-10) 2021
Date of Spudding	:	17/02/2025	Sample collected by	:	R NATH
Date of Release	:	08/03/2025	Test Parameters	:	As per Client requirement
Date of Sample Received	:	19/04/2025	Quantity/No. of sample	:	500 mL/01
Date of completion Analysis	:	24/04/2025	Packed/Seal	:	Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	GPCB Limit
1	pH at 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.21	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2023)	°C	25.4	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	63.7	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2023)	mg/L	1524.8	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2023)	mg/L	28.1	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2023)	mg/L	87.6	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.8	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	412.2	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	502.8	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	ND	1.2
11	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/L	0.52	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND	0.3
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND	0.01
20	Sodium	IS 3025 (P-45) 1993 (Reaffirmed 2019)	mg/L	50.1	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2022)	mg/L	1.2	2.0

Note: ND: Not Detected, **Detectable Limit:** Total Chromium: 0.03 mg/L, Hexavalent Chromium: 0.03 mg/L, Copper: 0.02 mg/L, Nickel: 0.01 mg/L, Zinc: 0.01 mg/L, Lead: 0.01 mg/L, Mercury: 0.01 mg/L, Phenolic Compound: 0.01 mg/L.


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Test Report
Water Analysis Report

Client's Name & Address: Oil & Natural Gas Corporation Ltd. Drilling Fluid Services, Mehsana.	Report No: GLEL/190425/02 Issue Date: 24/04/2025
---	---

Lab ID Code	: GLEL/190425/WL ₂	Purpose	: As per Client requirement
Sample Description	: Well: SBNN RIG : E-760-18 (Waste Pit Water Sample)	Sampling procedure	: IS 17614 (P-10) 2021
Date of Sampling collection	: 14/02/2025	Sample collected by	: R NATH
Date of Spudding	: 22/01/2025	Test Parameters	: As per Client requirement
Date of Release	: 13/02/2025		
Date of Sample Received	: 19/04/2025	Quantity/No. of sample	: 500 mL/01
Date of completion Analysis	: 24/04/2025	Packed/Seal	: Packed

Result Table

Sr. No.	Test Parameters	Test Method	Unit	Results	GPCB Limit
1	pH at 25°C	IS 3025 (P-11) 1983 (Reaffirmed 2022)	-	7.52	5.5-9.0
2	Temperature	IS 3025 (P-09) 1984 (Reaffirmed 2023)	°C	25.5	40
3	Total Suspended Solids	IS 3025 (P-17) 1984 (Reaffirmed 2022)	mg/L	85.1	100
4	Total Dissolved Solids	IS 3025 (P-16) 1984 (Reaffirmed 2023)	mg/L	1692.4	2100
5	BOD (5 days at 20°C)	IS 3025 (P-44) 1993 (Reaffirmed 2023)	mg/L	25.9	30
6	COD	IS 3025 (P-58) 2006 (Reaffirmed 2023)	mg/L	85.3	100
7	Oil & Grease	IS 3025 (P-39) 1991 (Reaffirmed 2021)	mg/L	1.7	10
8	Chloride	IS 3025 (P-32) 1988 (Reaffirmed 2019)	mg/L	354.8	600
9	Sulphate	IS 3025 (P-24) 1986 (Reaffirmed 2022)	mg/L	414.3	1000
10	Phenolic Compound	IS 3025 (P-43) 1992 (Reaffirmed 2022)	mg/L	ND	1.2
11	Fluoride	APHA 24 th Ed. 2023 4500 F D (400)	mg/L	0.42	1.5
12	Copper	IS 3025 (P-42) 1992 (Reaffirmed 2019)	mg/L	ND	0.2
13	Total Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	1.0
14	Hexavalent Chromium	IS 3025 (P-52) 2003 (Reaffirmed 2021)	mg/L	ND	0.1
15	Zinc	IS 3025 (P-49) 1994 (Reaffirmed 2019)	mg/L	ND	2.0
16	Lead	IS 3025 (P-47) 1994 (Reaffirmed 2019)	mg/L	ND	0.1
17	Cyanide	IS 3025 (P-27) 1986 (Reaffirmed 2022)	mg/L	ND	0.2
18	Nickel	IS 3025 (P-54) 2003 (Reaffirmed 2019)	mg/L	ND	0.3
19	Mercury	IS 3025 (P-48) 1994 (Reaffirmed 2019)	mg/L	ND	0.01
20	Sodium	IS 3025 (P-45) 1993 (Reaffirmed 2019)	mg/L	52.4	60
21	Sulphide	IS 3025 (P-29) 1986 (Reaffirmed 2022)	mg/L	1.3	2.0

Note: ND: Not Detected, **Detectable Limit:** Total Chromium: 0.03 mg/L, Hexavalent Chromium: 0.03 mg/L, Copper: 0.02 mg/L, Nickel: 0.01 mg/L, Zinc: 0.01 mg/L, Lead: 0.01 mg/L, Mercury: 0.01 mg/L, Phenolic Compound: 0.01 mg/L.


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Annexure - B

TEST REPORT
(AMBIENT AIR MONITORING)

Discipline.	Chemical Testing	Name Of Group	Atmospheric Pollution
Test Report No.:	UERL/25/03/ONGC/A-028	Report Issue Date	10/04/2025
Service Request form No.:	UERL/AIR/D/SRF/03/028	Service Request Date	28/03/2025
Sample ID No.:	UERL/AIR/D/ID/A-25/03/028	Field Data Sheet No.	UERL/AIR/D/FDS/A-25/03/028
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset		
Dates of Sampling:	26/03/2025	Date of Testing	28/03/2025
Location of Sampling / Monitoring:	IPS M700 VI-#NKDDP - Near Bunk House Area		
Sampling Method	IS:5182(Part-14) and IS:5182 (Part-5)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/ONGC/02	Respirable Dust Sampler	231-I-2019	18/06/2024	17/06/2025
UERL/AIR/FPS/ONGC/02	Fine Particulate Sampler	180502069	18/06/2024	17/06/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.0
2.	Flow Rate of PM ₁₀	m ³ /min	1.16
3.	Volume of Air Sampled for PM ₁₀	m ³	1670.4
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.05

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter as PM ₁₀	µg/m ³	66	100	IS 5182 (Part-23)
2.	Particulate Matter as PM _{2.5}	µg/m ³	20	60	IS 5182 (Part-24)
3.	Sulphur Dioxide as SO ₂	µg/m ³	13.3	80	IS 5182 (Part-2)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	20.8	80	IS 5182 (Part-6)
5.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2	IS: 5182 (Part 10)
6.	Hydrogen Sulphide (H ₂ S)	µg/m ³	BDL (MDL:6.0)	150	IS 5182 (Part-7)

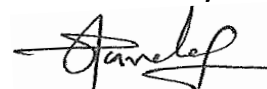
***** End of Report *****

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(AMBIENT AIR MONITORING)

Discipline.	Chemical Testing	Name Of Group	Atmospheric Pollution
Test Report No.:	UERL/25/03/ONGC/A-034	Report Issue Date	10/04/2025
Service Request form No.:	UERL/AIR/D/SRF/03/034	Service Request Date	29/03/2025
Sample ID No.:	UERL/AIR/D/ID/A-25/03/034	Field Data Sheet No.	UERL/AIR/D/FDS/A-25/03/034
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset		
Dates of Sampling:	27/03/2025	Date of Testing	29/03/2025
Location of Sampling / Monitoring:	NG 1500-3- #LJBE - Near Electrical Incharge Area		
Sampling Method	IS:5182(Part-14) and IS:5182 (Part-5)		

➤ **Details of Master Instrument Used for Monitoring**

Instrument Id No.	Instrument Name	Serial Number	Cali. Date	Next Cali. Date
UERL/AIR/RDS/ONGC/02	Respirable Dust Sampler	231-I-2019	18/06/2024	17/06/2025
UERL/AIR/FPS/ONGC/02	Fine Particulate Sampler	180502069	18/06/2024	17/06/2025

➤ **General Sampling / Monitoring Observation as per CPCB Guideline**

Sr. No.	Description	Unit of measurement	Observation
1.	Monitoring Duration	h	24.0
2.	Flow Rate of PM ₁₀	m ³ /min	1.19
3.	Volume of Air Sampled for PM ₁₀	m ³	1713.6
4.	Volume of Air Sampled for PM _{2.5}	m ³	24.05

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit	Result	Specific Value (As per NAAQMS)	Test Method
1.	Particulate Matter as PM ₁₀	µg/m ³	59	100	IS 5182 (Part-23)
2.	Particulate Matter as PM _{2.5}	µg/m ³	22	60	IS 5182 (Part-24)
3.	Sulphur Dioxide as SO ₂	µg/m ³	20.3	80	IS 5182 (Part-2)
4.	Nitrogen Dioxide as NO ₂	µg/m ³	20.6	80	IS 5182 (Part-6)
5.	Carbon Monoxide (CO)	mg/m ³	BDL (MDL:1.0)	2	IS: 5182 (Part 10)
6.	Hydrogen Sulphide (H ₂ S)	µg/m ³	BDL (MDL:6.0)	150	IS 5182 (Part-7)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-131	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-131	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/131	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/131
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	DG Set 1 (500 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	5.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	13.2
5.	Exit Gas Flow	m ³ /h	1492.1

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.13	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.16	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	1.04	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-132	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-132	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/132	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/132
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	DG Set 2 (500 KVA)		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	5.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	12.6
5.	Exit Gas Flow	m ³ /h	1424.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.12	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.17	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	1.02	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-133	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-133	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/133	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/133
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Carrier Engine 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	14.6
5.	Exit Gas Flow	m ³ /h	1650.4

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.11	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.26	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.96	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-134	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-134	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/134	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/134
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Carrier Engine 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	14.8
5.	Exit Gas Flow	m ³ /h	1673.0

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.13	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	3.35	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.92	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-135	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-135	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/135	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/135
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mud Pump 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	30.0
4.	Exit Gas Velocity	m/s	11.3
5.	Exit Gas Flow	m ³ /h	1277.4

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.08	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.64	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.78	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-136	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-136	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/136	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/136
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mud Pump 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.8
5.	Exit Gas Flow	m ³ /h	1220.8

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.07	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.51	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.82	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-137	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-137	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/137	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/137
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Fire Pump		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.071
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	12.2
5.	Exit Gas Flow	m ³ /h	3105.1

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.06	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.84	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.78	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-138	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-138	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/138	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/138
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Mobile Compressor		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	11.6
5.	Exit Gas Flow	m ³ /h	1311.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.08	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.63	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.64	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-139	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-139	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/139	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/139
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Air Compressor 1		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.7
5.	Exit Gas Flow	m ³ /h	1209.5

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.05	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.51	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.77	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

TEST REPORT
(STACK MONITORING)

Discipline.	Chemical Testing	Name Of Group.	Atmospheric Pollution
Test Report No.	UERL/25/03/ONGC/S-140	Report Issue Date.	10/04/2025
Service Request form No.	UERL/AIR/D/SRF/03/S-140	Service Request Date.	26/03/2025
Sample ID No.	UERL/AIR/D/ID/S-25/03/140	Field Data Sheet No.	UERL/AIR/D/FDS/S-25/03/140
Name & Add. of Customer	M/s. OIL AND NATURAL GAS CORPORATION LIMITED. Mehsana Asset - IPS M700 VI-#NKDDP		
Date of Sampling	26/03/2025	Date of Testing	28/03/2025
Stack Sampling Attached to	Air Compressor 2		
Air Pollution Control Device	--		
Fuel Used	Diesel		

➤ **Details of Instrument Used for Monitoring**

Instrument Id No.	UERL-D/AIR/SMK/02		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126- DTG-2018
Calibration Date	19/06/2024	Next Calibration Due On	18/06/2025

➤ **General Stack Monitoring Observation**

Sr. No.	Description	Unit of measurement	Observation
1.	Stack Height	m	4.0
2.	Stack Area	m ²	0.031
3.	Ambient Temperature	°C	31.0
4.	Exit Gas Velocity	m/s	10.3
5.	Exit Gas Flow	m ³ /h	1164.3

➤ **Test Parameter Results**

Sr. No.	Test Parameter	Unit of measurement	Result	Specific GPCB Value	Test Method
1.	Particulate Matter as PM	gm/kW-hr	0.07	0.2	IS 11255 (Part 1)
2.	Oxide of Nitrogen (NO _x) + N-Hydro Carbon (HC)	gm/kW-hr	2.43	4.0	IS 11255 (Part 7) & Flue Gas Analyzer
3.	Carbon Monoxide as CO	gm/kW-hr	0.72	3.5	Flue Gas Analyzer
4.	Hydrogen Sulphide (H ₂ S)	Mg/Nm ³	BDL (MDL:5.0)	-	IS 11255 (Part 6)

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

Checked By:



Ankur R. Patel
(Supervisor)

Authorized By:



Jaivik S. Tandel
(Manager - Operations)

Noise Monitoring Sample Report



Oil and Natural Gas Corporation Limited
Asset Workshop
Mehsana Asset

OFFICE OF THE GM (E)
I/C ASSET WORKSHOP
02762-253319, 262814

NO: MHN/AW/CONDI_MONI_CELL/2024-25/87	Dated: 27.02.2025
From	GM (E) - I/C ASSET WORKSHOP, MEHSANA
To	D.I.C. - NG-1500-III, DS (Sent on ongc web-mail)
Subject	Noise Measurement Report

Dear Sir,

Day and Night time noise level measurement at **NG-1500-III** has been carried out on **07-FEBRUARY-2025** and the report is enclosed for kind information.


(Dharni Dhar Das)
GM (E), I/C Asset Workshop


Copy for information:- (1) GGM (D) - Head Drilling Services (Sent on ongc web-mail)
(2) GM (M) - DS (Sent on ongc web-mail)
(3) I/C Forward Base, Mehsana
(4) Office Copy



Oil and Natural Gas Corporation Limited
Asset Workshop
Mehsana Asset

Condition Monitoring Cell

Following Area / Equipment Has Been Measured

Equipment	Noise level in dB (Day time)		Noise level in dB (Night time)	
	Minimum	Maximum	Minimum	Maximum
Out Side Main Gate	56.0	56.0	61.5	61.5
Gate	61.5	61.5	64.1	64.1
M.P.-1 (On)	91.8	97.0	94.0	97.4
M.P.-2 (On)	91.2	98.0	95.2	99.6
D.G.-1 (On)	79.1	84.0	85.7	89.1
D.G.-2 (Off)	78.5	86.0	81.9	89.3
D.G.-3 (On)	81.9	86.4	86.5	90.2
D.G.-4 (On)	81.3	84.0	85.7	87.5
Emergency D.G. (Off)	74.1	85.3	78.6	88.5
Elect. Comp. House (On)	88.3	90.2	91.8	92.9
Drill P.C.R	86.2	89.3	89.7	92.5
Mud P.C.R.	83.2	85.8	87.6	89.3
Rotary	72.5	72.5	76.5	76.5
Dog House	67.1	67.1	70.1	70.1
DCC-1	61.9	61.9	65.8	65.8
DCC-2	63.1	63.1	68.3	68.3
Tool Room - On Platform	71.4	71.4	77.2	77.2
Draw Works (On)	88.0	95.0	87.0	97.3
Diesel Tank	59.4	72.3	64.4	78.4
Water Tank	76.4	81.7	80.4	84.1
Super Charger Pump Unit	88.9	91.4	88.5	93.1
Hopper Pump Unit	75.4	82.5	78.3	87.9
Desander & Desilter Pump Unit	77.7	84.0	80.5	89.0
Mud Tank Area	74.8	88.5	77.8	91.2
Rig Area Corner-1 (Mud Pit Side)	57.1	57.1	59.5	59.5
Rig Area Corner-2 (Bunk House Side)	54.5	54.5	57.1	57.1
Rig Area Corner-3 (Diesel Tank Side)	54.1	54.1	58.4	58.4
Rig Area Corner-4 (Mud Tank Side)	52.4	52.4	57.3	57.3


VISHAL MAKWANA
E.A. (Mech.), ASNT, L-II,
Condi. Moni. Cell,
Asset Workshop,
ONGC, Mehsana



Oil and Natural Gas Corporation Limited
Asset Workshop
Mehsana Asset

Condition Monitoring Cell

Allowable Exposure to Various Sound Levels

Sr. No.	Sound Level in dB	Exposure Per Day in Hours
1.	90	8
2.	92	6
3.	95	4
4.	97	3
5.	100	2
6.	102	1 & 1/2
7.	105	1
8.	107	3/4
9.	110	1/2
10.	115	1/4

- **Noise Meter Model & Sr. No.:-** FLUKE 945 Digital Sound Level Meter, 49810165
- **Instrument Calibration Detail:-** Date of Calibration: 10.08.2024, Due Date: 09.08.2025
- Use Earplug or Earmuff at High Noise Area.
- Allowable Exposure to Various Sound Levels Limits as per **OISD-Standard-155**. (As per Manual Sr. No. - 7.2)

(I/C Condi. Moni. Cell)
Asset Workshop, ONGC,
Mehsana

S. SRIVASTAVA
CE (M), CPF-93840
Asset Workshop
ONGC, MEHSANA

Newspaper Advertisement



"The Indian Express" dt. 29th Jan 2021
(English)



"દિવ્ય ભાસ્કર" દિનાંક ૨૯th Jan 2021
(Gujarati)

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA/GJ/IND2/151758/2011
Compliance ID	125445712
Compliance Number(For Tracking)	EC/M/COMPLIANCE/125445712/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	21-05-2025
RO/SRO Name	Shrawan Kumar Verma
RO/SRO Email	kr099.ifs@nic.in
State	GUJARAT
RO/SRO Office Address	Integrated Regional Offices, Gandhi Nagar

Note:- SMS and E-Mail has been sent to Shrawan Kumar Verma, GUJARAT with Notification to Project Proponent.