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View Half Yearly Compliance Report at Project Proponent

Proposal Details

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

Covering Letter

Covering Letter	Click to View
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Compliance Reporting Details

Reporting Year

2025

Reporting Period

01 Dec(01 Apr - 30 Sep)

Remark(if any)

Compliance for the period of 01.04.2025 to 30.09.2025

Details of Production and Project Area

Date of Commencement of Project/Activity

25-01-2021

Status of implementation of the projecty

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

Others Table

Sr.No.	Others Name	Area Granted	Actual Area	Action
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Land Documents

NA

Video

NA

Production Table

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Last Financial Year w.r.t. Reporting Year	Production during last financial year w.r.t. Reporting Year	Current Financial Year w.r.t. Reporting Year	Production during the current financial year w.r.t. Reporting Year (01 April to 30-November)
1	Oil (in MMT)	Others:MMT	2.103526			null	null	2.103526	null	null
2	Gas (in MMSCM)	Others:MMSCM	185.616338			null	null	185.616338	null	null

Conditions

Specific Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
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	It is ensured that No pipeline is laid in the Forest land/Protected Area without prior permission/approval Agreed to Comply 30-11-2025 Attachment:NA
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	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. Complied 30-11-2025 Attachment:NA

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	All the installations are equipped with online gas detector fixed in hazardous areas for monitoring of H ₂ S, Hydrocarbons or other hazardous gases. Portable multi gas detectors are also available at sites. Complied 30-11-2025 Attachment:NA
4	WATER QUALITY MONITORING AND PRESERVATION	The project proponent also to ensure trapping/storing of the CO ₂ generated, if any, during the process and handling.	PPs Submission	Plantation is carried out regularly to create carbon sink. Further, studies to carry out CCUS are in process at IRS- Ahmedabad. Complied 30-11-2025 Attachment:NA
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	Acoustic enclosure are provided at all drilling rigs for the DG sets. Stack height is kept adequate as per CPCB guidelines. Complied 30-11-2025 Attachment:NA
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	PPs Submission	Fresh water consumption is restricted to 25 m ³ /day. Treated effluent is used for brine/mud preparation. Brine/mud is recycled to the maximum possible extent. Complied 30-11-2025 Attachment:NA

		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.		
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	Garland drain is constructed at every drillsite prior to the drilling operation starts. Complied 30-11-2025 Attachment: Click to View
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	PPs Submission	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. Note: Sample Copy of Monitoring Reports are attached. Complied 30-11-2025 Attachment: Click to View

		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.		
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	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. Complied 30-11-2025 Attachment:NA
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	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. Note: Sample Copy of Monitoring reports are enclosed be uploaded at Parivesh Portal. Complied 30-11-2025 Attachment: Click to View

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	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. Complied 30-11-2025 Attachment:NA
12	Risk Mitigation and Disaster Management	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations	PPs Submission	Blowout preventer (BOP) system is mandatorily installed on each well to prevent well blowout during drilling operations. Complied 30-11-2025 Attachment:NA
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	PPs Submission	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. Agreed to Comply 30-11-2025 Attachment:NA

		drilling site in accordance with the applicable DGH / Indian Petroleum Regulations.		
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	Rs. 6.99 Crore has been spent/ Plan in place till 30.09.2025. It is planned to utilize committed sum of Rs. 8.77 crore within the stipulated time as per the directives of O.M. of MoEFCC on CER. Being Complied 30-11-2025 Attachment:NA
15	Statutory compliance	No lead acid batteries shall be utilized in the project/site.	PPs Submission	At present batteries are disposed-off on buy-back policy to OEM. Agreed to Comply 30-11-2025 Attachment:NA
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	Occupational Health surveillance is in practice as per existing corporate policy. All workers and employees are provided with required Personal Protective Equipment. Complied 30-11-2025 Attachment:NA

17	Statutory compliance	Oil content in the drill cuttings shall be monitored and report & shall send to the Ministry's Regional Office.	PPs Submission	Only water-based mud is being used in drilling of wells. Wastewater and cuttings are analyzed for oil and grease content by NABL accredited and GPCB approved agencies. Note: Sample Copy of Monitoring reports are enclosed. Complied 30-11-2025 Attachment: Click to View
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	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. Complied 30-11-2025 Attachment:NA

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	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. Agreed to Comply 30-11-2025 Attachment:NA
20	AIR QUALITY MONITORING AND PRESERVATION	Approach road shall be made pucca to minimize generation of suspended dust.	PPs Submission	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. Complied 30-11-2025 Attachment:NA

General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
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	PPs Submission	Agreed to comply in case of further expansion or modifications. Agreed to Comply 30-11-2025 Attachment:NA

		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.		
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	LED based Lighting is being used. Complied 30-11-2025 Attachment:NA
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	PPs Submission	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. Note: Sample Copy of Monitoring reports are enclosed Complied 30-11-2025 Attachment: Click to View

		(Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).		
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	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 directives/regulations Being Complied 30-11-2025 Attachment:NA
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	PPs Submission	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. Complied 30-11-2025 Attachment:NA

		herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.		
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	An advertisement regarding grant of EC has been published in two newspapers i.e. Indian Express and Gujarat Samachar on 29.01.2021 Note: Copy of advertisement is enclosed. Complied 30-11-2025 Attachment: Click to View
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	PPs Submission	Compliance reports are being updated on Parivesh portal regularly. Being Complied 30-11-2025 Attachment:NA

		posted on the website of the company.		
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	Environment Statement for each financial year is being submitted regularly and the same will ensured in the future. Note: Latest Copy of Form V is enclosed Being Complied 30-11-2025 Attachment: Click to View
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	PPs Submission	EC advertised in 2 newspapers Indian Express and Gujarat Samachar on 29.01.2021 and also uploaded on https://ongcindia.com/web/eng/sustainability/environment/environment-clearance Complied 30-11-2025 Attachment: Click to View

		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.		
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 30-11-2025 Attachment:NA
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 30-11-2025 Attachment:NA

Document uploaded by the PP

**Last Site Visit Report
(if available)** [Click to View](#)

**Last Site Visit Report
Date (if available)** 03-02-2025

**Additional
Attachment (if any)** [Click to View](#)

**Additional Remarks
(if any)** Sample Report- Ambient Air Quality Monitoring and Stack Emission Monitoring

☒ I 'Har Sharad Dayal' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

Cover Letter From RO/SRO

**Cover Letter From
RO/SRO**

Back

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)

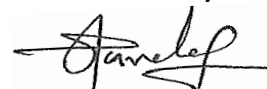
***** End of Report *****

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)

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 (M³)	
		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 M³ 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



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.

Greenleaf Envirotech Ltd., E-mail : sales@glepl.com, lab@glepl.com, Web : www.greenleafenvirotech.in
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
---	---

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


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/190425/03 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.


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.

Greenleaf Envirotech Ltd., E-mail : sales@glepl.com, lab@glepl.com, Web : www.greenleafenvirotech.in
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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)

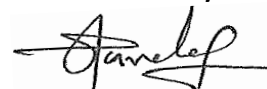
***** End of Report *****

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 (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 (NOx) + 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)









WASTE PIT WATER SAMPLE ANALYSIS

TEST REPORTS

Test Report No.	ECURE/WW/2025/123	Lab ID No.	ECURE/WW/2025/123
Name & Address of Industry	M/s. Oil and Natural Gas Corporation Ltd. Drilling fluid Services, Mehsana Asset, Mehsana.		
Date of Spudding	22.05.2025	Sample Collected By	DRAVESH VARSHNEY
Date of Release	24.06.2025	Quantity / No. of Sample	01
Date of Sampling Collection	22.06.2025	Sample Packed / Seal	Packed plastic bottle
Date of Sample Received	11.07.2025	Condition of sample during the receipt	Satisfactory
Date of Completion Analysis	12.07.2025	Date of Report Issue	15.07.2025
Sample Description:	Well: LNLD, Rig: E-760-16, Waste pit water sample		

➤ **Test Parameter Results**

Sr. No.	Parameter	Test Method	Results	G. P. C. B. Limit	Unit
1.	pH	IS : 3025 (P-11) : 1983 Ref.: 1996	7.68	5.5 – 9.0	-
2.	Temperature	IS : 3025 (P-9) : 1984 Ref.: 1996	30.0	40	°C
3.	Total Dissolved Solids	IS : 3025 (P-16) : 1984 Ref.: 1996	1910.00	2100	ppm
4.	Total Suspended Solids	IS : 3025 (P-17) : 1984 Ref.: 2002	45.00	100	ppm
5.	Chloride	IS : 3025 (P-32) : 1988 Ref.: 1993	532.89	600	ppm
6.	Sulphate	IS : 3025 (P-24) : 1986 Ref.: 1998	783.46	1000	ppm
7.	Chemical Oxygen Demand	IS : 3025 (P-58) : 2006	68.93	100	ppm
8.	Bio-Chemical Oxygen Demand	IS : 3025 (P-44) : 1993 Ref.: 1999	26.95	30	ppm
9.	Oil & Grease	IS : 3025 (P-39) : 1991 Ref.: 1996	1.6	10	ppm
10.	Fluorides	IS : 3025 (P-60) : 2008	0.14	1.5	ppm
11.	Sulphides	IS : 3025 (P-29) : 1986 Ref.: 1992	0.89	2.0	ppm
12.	Sodium	IS : 3025 (P-45) : 1993 Ref.: 1999	52.00	60	ppm
13.	Chromium (Cr+6)	IS 3025 (P-52) : 2003	0.04	0.1	ppm
14.	Chromium (total)	IS 3025 (P-52) : 2003	0.08	1.0	ppm
15.	Copper	IS 3025 (P-42) : 1992	ND	0.2	ppm
16.	Lead	IS : 3025 (P-47) : 1994	ND	0.1	ppm
17.	Mercury	IS : 3025 (P-48) : 1994 Ref.: 1999	ND	0.01	ppm
18.	Nickel	IS 3025 (P-54) : 2003	ND	0.3	ppm
19.	Zinc	IS : 3025 (P-49) : 1994 Ref.: 1999	0.06	2.0	ppm
20.	Phenolics	IS : 3025 (P-27) : 1986 Ref.: 1998	0.042	1.2	ppm
21.	Cyanide	IS : 3025 (P-27) : 1986 Ref.: 1998	ND	0.2	ppm

Note: ND = Not Detected

[Signature]

Tested By

(Analyst/Sr. Analyst)

[Signature]

Checked By

(Sr. Analyst/TM)

[Signature]
Authorized By
(Quality Manager)

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Email : chirag.eryl@gmail.com, ecure.eryl@gmail.com Mobile No.: +91 98790 59339.



WASTE PIT WATER SAMPLE ANALYSIS

TEST REPORTS

Test Report No.	ECURE/WW/2025/085	Lab ID No.	ECURE/WW/2025/085
Name & Address of Industry	M/s. Oil and Natural Gas Corporation Ltd. Drilling fluid Services, Mehsana Asset, Mehsana.		
Date of Spudding	22.05.2025	Sample Collected By	DRAVESH VARSHNEY
Date of Release	24.06.2025	Quantity / No. of Sample	01
Date of Sampling Collection	24.05.2025	Sample Packed / Seal	Packed plastic bottle
Date of Sample Received	11.07.2025	Condition of sample during the receipt	Satisfactory
Date of Completion Analysis	12.07.2025	Date of Report Issue	15.07.2025
Sample Description:	Well: LNLD, Rig: E-760-16, Waste pit water sample		

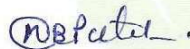
➤ **Test Parameter Results**

Sr. No.	Parameter	Test Method	Results	G. P. C. B. Limit	Unit
1.	Mercury	IS : 3025 (P-48) : 1994 Ref.: 1999	ND	0.01	ppm

Note: ND = Not Detected



Tested By
(Analyst/Sr. Analyst)



Checked By
(Sr. Analyst/TM)


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(Quality Manager)

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Email : chirag.erl@gmail.com, ecure.erl@gmail.com Mobile No.: +91 98790 59339.



WASTE PIT SOLID DRILL CUTTING SAMPLE ANALYSIS

TEST REPORTS

Test Report No.	ECURE/SW/2025/104	Lab ID No.	ECURE/SW/2025/104
Name & Address of Industry	M/s. Oil and Natural Gas Corporation Ltd. Drilling fluid Services, Mehsana Asset, Mehsana.		
Date of Spudding	22.05.2025	Sample Collected By	DRAVESH VARSHNEY
Date of Release	24.06.2025	Quantity / No. of Sample	100 mg
Date of Sampling Collection	24.05.2025	Sample Packed / Seal	Packed
Date of Sample Received	11.07.2025	Condition of sample during the receipt	Satisfactory
Date of Completion Analysis	12.07.2025	Date of Report Issue	15.07.2025
Sample Description:	Well: LNLD, Rig: E-760-16, Waste pit soil / Drill Cutting sample		

➤ **Test Parameter Results**

Sr. No.	Parameters	Test Results	Units	G.P.C.B Limit
1.	Mercury	ND	mg/kg	0.01

Note: ND = Not Detected



Tested By
(Analyst/Sr. Analyst)



Checked By
(Sr. Analyst/TM)



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WASTE PIT SOLID DRILL CUTTING SAMPLE ANALYSIS

TEST REPORTS

Test Report No.	ECURE/SW/2025/143	Lab ID No.	ECURE/SW/2025/143
Name & Address of Industry	M/s. Oil and Natural Gas Corporation Ltd. Drilling fluid Services, Mehsana Asset, Mehsana.		
Date of Spudding	22.05.2025	Sample Collected By	DRAVESH VARSHNEY
Date of Release	24.06.2025	Quantity / No. of Sample	100 gm
Date of Sampling Collection	22.06.2025	Sample Packed / Seal	Packed
Date of Sample Received	11.07.2025	Condition of sample during the receipt	Satisfactory
Date of Complition Analysis	12.07.2025	Date of Report Issue	15.07.2025
Sample Desctiption:	Well: LNL D, Rig: E-760-16, Waste pit soil / Drill Cutting sample		

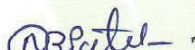
➤ **Test Parameter Results**

Sr. No.	Parameters	Test Results	Units	G. P. C. B. Limit
1.	pH	6.95	-	5.5-9.0
2.	Chloride	587.43	mg/kg	600
3.	Ether soluble (Oil & Grease)	8.19	mg/kg	10
4.	Phenolic compound	0.66	mg/kg	1.2
5.	Chromium (by AAS)	0.78	mg/kg	1.0
6.	Fluoride	0.99	mg/kg	1.5
7.	Mercury	ND	mg/kg	0.01

Note: ND = Not Detected



Tested By
(Analyst/Sr. Analyst)



Checked By
(Sr. Analyst/TM)


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(Quality Manager)

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



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