

SIX MONTHLY COMPLIANCE REPORT FOR ENVIRONMENT CLEARANCE FROM 01.10.2025 to 31.03.2026	
Name of the project	Exploratory Drilling for Oil & Gas Wells in Sivasagar Dist.
Location of project/ address	08 no of exploratory drilling in ML areas of Sivasagar, Assam by M/S ONGC Ltd. Environmental Clearance – reg.
Letter No. & date of Environment Clearance granted by MoEF&CC	F. No.J-11011/343/2014-IA-II (I) Dated: 20.03.2017
Present Status of project:- (for period of 01.10.2025 to 31.03.2026)	Total no. of wells drilled till 31.03.2026 - 07 Nos. No of wells completed (between 01.10.2025 to 31.03.2026) – Nil. No. of well Drilling in progress as on 31.03.2026 - Nil.

A. SPECIFIC CONDITIONS

Sl. No	Specific Condition	Remarks
I.	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November,2009 for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CH ₄ ,HC, Non-methane HC etc.	Ambient air quality monitoring, stack monitoring and ground water monitoring have been carried out by SPCB authorized third party Agency and sound monitoring is done in- house by HSE department in all required areas. Monitoring Station for Ambient air quality monitoring by SPCB has also been set up which works under the supervision of SPCB. (Monitoring reports placed at Annexure-I)
II.	Mercury shall also be analyzed in air, water and drill cuttings twice during drilling period.	The water base mud used in drilling operation is non-toxic as per report of NIOT. Also, Ambient air quality monitoring report is attached. (Copy Enclosed at Annexure-I)
III.	Approach road shall be made pucca to minimize generation of suspended dust.	As per company policy, initially, WBM roads are constructed for wells during drilling phase, which is later converted to pucca roads, once wells start flowing, to minimize generation of suspended dust, as the exploratory well may not be monetized due to unviable zone potential.
IV.	The company shall make the arrangement for control of noise from the drilling activity. Acoustic enclosure shall be provided to DG	To minimize the noise level of engines, all engines of power packs have been fitted the acoustic enclosures in all drilling rigs and stack height of DG sets is as per CPCB

	sets and proper stack height shall be provided as per CPCB guidelines.	guidelines.
V.	Total water requirement from nearest ONGC installations through tankers shall not exceed 25 m ³ /day/well and prior permission should be obtained from the Competent Authority,	Water is supplied using tankers from nearest Installation/colony and from packaged ETP at drilling rigs. During the normal drilling operation the average requirement for entire period of drilling operation reduced to 25M3/day/rig (average).
VI.	The Company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated waste water shall confirm to CPCB standards.	The garland drain is constructed around the drill site & is linked up to waste pit. Additionally, engines and oil tank area is constructed with dyke to prevent the run-off of any oil containing waste and is connected to waste pit through oil trap. Effluent waste water is treated using PETP and conform to CPCB discharge standards.
VII.	Disposal of drill cutting and drilling mud will be in specially designed pit with HDPE lining and is topped with native soil. Other hazardous waste like empty bags, cotton waste, gloves etc. are transported to TSDF site. Whereas, POL / CHEMICAL containers and spent oil are recycled through authorized vendors.	1. Drill cuttings are washed properly and disposed into HDPE lined pit. 2. Unusable Drilling fluid/Mud is collected in separate HDPE lined waste pit and treated with Mobile ETPs at drill sites. 3. Liquid waste like burnt oil/spent oil produced during operation is being stored and sent to designated section for disposal through authorized vendors. Solid waste like oil soaked manila ropes, hand gloves and cotton waste are also produced during drilling operation, as no TSDF is available in Assam.
VIII.	No effluent/drilling mud/drill cutting shall be discharged/disposed off into nearby surface water bodies.	Effluent/drilling mud/drill cutting is not being discharged/disposed off into nearby surface water bodies.
IX.	Produced water shall be treated in ETP/mobile ETP/CETF. Treated produced water shall be disposed off through injection well as per CPCB/MoEF guidelines.	ONGC Assam Asset is having the required facility (ETPs/PETPs) for treatment and water injection.
X.	Good sanitation facility shall be provided at the drilling site. Domestic sewage shall be disposed off through septic tank/soak pit.	Sanitation facilities being provided with arrangement of disposing off the domestic sewage through septic tank/soak pit.
XI.	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.	It is ensured that no oil spillage happens in drilling operation. Although relevant /necessary measures are being taken to prevent contamination of soil due to oil spill. Bio- remediation of Oil Contaminated Soil and the water left in Waste pit is done as and when required. The recyclable waste (oily sludge) and spent oil is sent to the authorized recyclers.

XII.	The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	The company takes necessary measures to prevent fire hazard. Disaster management Plan for the whole asset and MSDS is in place. Mock Drills related to fire and to check emergency preparedness are conducted regularly- Bio- remediation of Soil and the water left in Waste pit is done as and when required. During production testing, if required gas is burnt through a flare line as per Oil Mines Regulation 2017.
XIII.	The company shall develop a contingency plan for H ₂ S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H ₂ S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	Assam Asset is H ₂ S free Zone. H ₂ S portable detectors and online gas detectors are present at site.
XIV.	Emergency Response Plan (ERP) shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Emergency Response Plan (ERP) is in place on the basis of the guidelines of the OISD, DGMS and Govt. of India.
XV.	All the commitments made to the public during public hearing/public consultation meeting shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	All the public grievances are addressed effectively and efficiently through Multi-Disciplinary Team of ONGC that include pre-project as well as post project issues/ demands of the public. The company provides adequate funds for implementation of conditions stipulated by MoEF and State Govt.
XVI.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	Under Corporate Social responsibility of the Company, many social welfare schemes are being executed successfully that includes Street lights in the Villages and towns, Access to safe drinking water in the schools of nearby area, Health and Hygiene of Public, medical camps for the villagers etc.
XVII.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Periodical Medical Examination (PME) for ONGC employees is being done through company owned Medical / Health Centers. To cover contractual persons under health surveillance, measures are being taken as per the prevailing Acts and Rules.
XVIII.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office.	Restoration plan will be done in case of any abandonment plan.
XIX.	Oil content in the drill cuttings shall	The drill cuttings generated during drilling

	be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.	while using of water based mud are non-toxic. These are thoroughly washed and stored in HDPE lined pits.
XX.	Company shall have own Environment Management Cell having qualified persons with proper background.	HSE department at Asset level works as an Environmental Management Cell and avails the laboratory facilities of Regional Geoscience Laboratory (RGL) of ONGC equipped to carry out all the common tests. RGL is situated in the premises of ONGC Assam Asset, Sivasagar. Both the Departments are headed by the senior executives of General Manager/Chief General Manager level. If the monitoring is carried out by third party, it is ensured that it is a Pollution Control Board Approved agency.
XXI.	Company shall prepare operating manual in respect of all activates. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/project site. Awareness shall be created its 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.	Company has prepared the QHSE (Quality Health Safety Environment) manuals containing standard operating procedures for all routine activities in drilling operation. These manuals kept for ready reference at every drilling rig.
XXII.	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	After completion of drilling, if well is found dry, it is abandoned by placing cement plug as per the OMR 2017 and OISD Standards.

B. GENERAL CONDITIONS

Sl. No	General Conditions	Remarks
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Consent To Operate (CTO) and Consent To Establish (CTE) have been applied for drilling wells according to annual drilling plan with requisite fees to PCBA and obtained accordingly under Water and Air (Prevention and Control of Pollution) Act, 1974 and the stipulations are complied. All the stipulations enforced by the State Government and any other statutory authority are sincerely complied with.
ii.	No further expansion or modifications in the plant shall be carried out	No expansion has been carried out so far, If required, prior approval will be taken from

	without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	MoEF&CC. Likewise no deviation or alteration has been done, if such a need occurs, the same will be proposed to the Ministry for prior clearance.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the state pollution control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	The required monitoring stations have been set up by State Pollution Control Board for ambient quality monitoring.
iv.	The National Ambient Air Quality Emission standards issued by the Ministry vide G.S.R. No.826 (E) dated 16th November, 2009 shall be followed.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No.826 (E) dated 16th November, 2009 is being complied with. Monitoring Station for Ambient air quality monitoring by SPCB has also been set up which works under the supervision of SPCB. (Monitoring reports placed at Annexure-I)
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (protection) Act, 1986 Rules, 1989 viz. 75 dB A (day time) and 70 dB A (night time)	DG Set stacks are well maintained to control sound level, all DG sets are being provided with acoustic enclosures. In-house noise level is monitored at the site and noise level is found within permissible limit. Height of all stacks/vents is as per SPCB/CPCB guidelines. (Noise Monitoring Report is placed at Annexure-II)
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Since this region comes under high rainfall area with many rivers/streams nearby with very shallow ground water table, rainwater harvesting is not practically feasible.
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Safety training as MVT (Mines Vocational Training), Firefighting training and First aid training of all employees have been imparted accordingly at Skill Development Center of the Company along with wide circulation of MSDS at drilling sites. Periodical Medical Examination (PME) and Initial Medical Examination (IME) for ONGC employees is being done through the own Medical / Health

		Centers. To cover contractual persons under health surveillance, measures are being taken as per the prevailing Acts and Rules
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	For the environment protection measures the followings works are being carried out- 1. To prevent seepage/leakage of effluent from the waste pits/cutting pits to its nearby area, the HDPE Lining is being placed with provision of garland drain and dwarf wall. 2. To check the overflow of effluent at waste pits, the mobile ETP is being deployed at drilling rigs to treat the effluent of waste pits and treated water reused in drilling operation. 3. To reduce the sound level of engines the new generation acoustic enclosures are fitted, etc. 4. Ambient Air Quality Monitoring, DG Set Emission Monitoring & Ground Water Monitoring is being carried out.
ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Under Corporate Social responsibility (CSR) of the Company, many social welfare schemes are being executed successfully at and nearby oil field area according to the corporate CSR guidelines of the company to improve the socio-economic conditions of the surrounding area. The reports are being sent to the ministry of Petroleum and Natural Gas, Govt. of India through company head office. (Details may be seen in Annexure -III)
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	For eco-development measures by company, it has been adopted as the general policy of the company that at the time of starting of drilling operation i.e. Spudding of the well approx. 50 saplings will be planted so that by the time company leaves that premises after completion of well, there must be a grown up plant and a green cover is left behind. Additionally, plantation is done regularly at drill sites, office premises, plants etc. Free medical/ Health camps are organized at remote areas of the project. The financial assistances are awarded through the various employees' unions to the deprived class of the society.
xi.	A separate Environmental Management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	1. HSE department at Asset level works as an Environmental Management Cell and avails the laboratory facilities of Regional Geoscience Laboratory (RGL) of ONGC equipped to carry out all the commonly required tests. 2. RGL (Regional Geo Science Laboratory) undertakes the task of testing of treated

		effluent, mud, ground water etc. 3. Drilling Services owns its own Noise monitoring Instruments. 4. RGL is situated in the premises of ONGC Assam Asset, Sivasagar. Both the Departments are headed by the senior executives of General Manager/Chief General Manager level. 5. If the monitoring is carried out by third party, it is ensured that it is a Pollution Control Board Approved agency. 6. Environmental damage compensation measures are taken by Multi-Disciplinary Team, at Asset level at Nazira.
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environmental and Forests as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management /pollution control measures shall not be diverted for any other purpose.	The company provides adequate funds for implementation of conditions stipulated by MoEF and State Govt. for environment management/pollution control measures.
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilaparisad /Municipal corporation, urban local body and the local NGO , if any from whom suggestion/representations ,if any , were received while processing the proposal.	Clearance letter has been advertised in the two newspaper as per the rules.
xiv.	The project proponent shall also submit six monthly reports on the status of compliance off 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, the respective zonal office of CPCB and concerned SPCB. A Copy of Environmental clearance and six monthly compliance status report shall be posted on the website of the company.	Six monthly compliance reports are being submitted regularly and the same is updated on company's website www.ongcindia.com
xv.	The environmental statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state	Every year the Environment Statement Form-V from 1st April to 31st March are being submitted in prescribed formats to SPCB regularly.

	pollution control Board as prescribe 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 be sent to the respective Regional offices of MoEF by e-mail.	
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.	The same has been notified in the newspaper as per the rule.
xvii.	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.	Will be followed.

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R05	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250912/05
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: Armcue-1 (Nemuguri, Sivasagar), Well Name: KGDK (D)	Latitude: 27.020699°, Longitude: 94.775611°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	69.7	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	41.2	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.6	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	21.5	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.13	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

- The results relate to the sample tested only.
- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R23	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/17
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: Armcue-1 (Nemuguri, Sivasagar), Well Name: KGDK (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.14	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.9	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.7	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.42	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.07	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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End of Report

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R24	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/18
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: Armicue-1 (Nemuguri, Siavsagar), Well Name: KGDK (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.35	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.15	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R25	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/19
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: Armcue-1 (Nemuguri, Siavsagar), Well Name: KGDK (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.12	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.7	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.8	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.41	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.21	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R26	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/20
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: Armcue-1 (Nemuguri, Siavsagar), Well Name: KGDK (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.17	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.32	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

- The results relate to the sample tested only.
- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R03	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250912/03
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: E-1400-4 (Geleki) Well Name: GKLE (D)	Latitude: 26.802753°, Longitude: 94.66909°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	68.5	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	40.2	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.3	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	21.6	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.09	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

- The results relate to the sample tested only.
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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R15	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/09
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7.26 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-4 (Geleki), Well Name: GKLE (D)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.13	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.20	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.3	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.71	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.03	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R16	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/10
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7.26 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-4 (Geleki), Well Name: GKLE (D)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.11	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.72	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.42	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.13	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R17	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/11
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7.26 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-4 (Geleki), Well Name: GKLE (D)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.02	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.35	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.09	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R18	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/12
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7.26 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-4 (Geleki), Well Name: GKLE (D)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.09	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.7	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.8	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.51	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R04	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250912/04
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: E-1400-6 (Jalukoni, Nangalamara), Well Name: LMFG (D)	Latitude: 26.976081°, Longitude: 94.789877°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	73.6	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	42.0	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.9	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	24.8	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.12	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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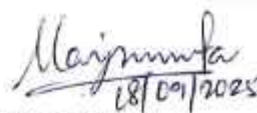
-----End of Report-----



Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)



Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R19	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/13
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-6 (Jalukoni, Nangalamara), Well Name: LMFG (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.08	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.63	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.12	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R20		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025	
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025	
		Sample Id:	DMCU/S/250912/14	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (E-2)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 6.70 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: E-1400-6 (Jalukoni, Nangalamara),	Well Name:	LMFG (D)	
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025	
Received Date:	12/09/2025	Analysis End Date:	15/09/2025	
Environmental Condition: Temperature: 25.3 °C, Humidity: 72%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.13	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.08	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.53	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.09	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
	Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
	More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

- The results relate to the sample tested only.
- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R21	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/15
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-6 (Jalukoni, Nangalamara), Well Name: LMFG (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.1	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.91	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.07	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.43	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R22	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/16
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

- Stack Connected to: DG Stack (E-4)
- Capacity: 1430 KVA
- Emission due to: Burning of HSD
- Material of construction of stack: MS Sheet
- Shape of Stack: Circular
- Height of the Stack (a) from Ground level: 6.70 m
- Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-6 (Jalukoni, Nangalamara), Well Name: LMFG (D)		
Date of sampling	10/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.13	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.19	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.2	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.29	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.0	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R01	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250912/01
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	08/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: E-1400-13 (Rudrasagar), Well Name: RSFM (D)	Latitude: 26.950375°, Longitude: 94.570692°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	76.8	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	43.0	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	9.10	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	23.7	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.11	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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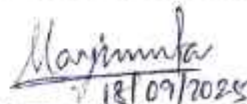
-----End of Report-----



Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)



Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R07	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/01
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-13 (Rudrasagar), Well Name: RSFM (D)		
Date of sampling	08/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

SI No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.12	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.25	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.9	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.82	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R08	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/02
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-13 (Rudrasagar), Well Name: RSFM (D)		
Date of sampling	08/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.2	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.3	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.59	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.7	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R09	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/03
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-13 (Rudrasagar), Well Name: RSFM (D)		
Date of sampling	08/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.9	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.72	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.0	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.4	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

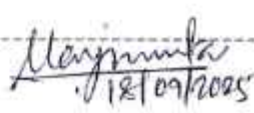
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R10	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/04
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-1400-13 (Rudrasagar), Well Name: RSFM (D)		
Date of sampling	08/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.12	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.7	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.81	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.0	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.6	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R06	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250913/01
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	11/09/2025	Analysis Start Date:	13/09/2025
Received Date:	13/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: E-3000-1 (Mezenga) Well Name: NZAE (E)	Latitude: 26.871661°, Longitude: 94.680077°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	76.3	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	44.0	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	9.5	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	26.8	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.11	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R27	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250913/01
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-3000-1 (Mezenga), Well Name: NZAE (E)		
Date of sampling	11/09/2025	Analysis Start Date:	13/09/2025
Received Date:	13/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.11	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.8	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.34	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	0.98	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R28	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250913/02
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-3000-1 (Mezenga), Well Name: NZAE (E)		
Date of sampling	11/09/2025	Analysis Start Date:	13/09/2025
Received Date:	13/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

SI No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.16	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.7	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.52	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.03	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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- The test report shall not be reproduced, except in full, without written approval of the company
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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R29	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250913/03
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-3000-1 (Mezenaga), Well Name: NZAE (E)		
Date of sampling	11/09/2025	Analysis Start Date:	13/09/2025
Received Date:	13/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.14	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.8	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.47	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.4	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)



DMCU ENVIROCHEM LLP

ডিএমচিইউ এনভাইরোকেম এলএলপি,

ADDRESS: House No: 68, Kailash Nagar, Panjabari, Guwahati-781037, Assam

E-mail: dmcenvirochemllp@gmail.com

Ph No: 9864615794, 7002812082

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R30	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250913/04
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 6.70 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: E-3000-1 (Mezenga), Well Name: NZAE (E)		
Date of sampling	11/09/2025	Analysis Start Date:	13/09/2025
Received Date:	13/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.17	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.8	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.26	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

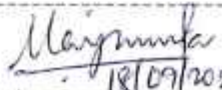
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R02	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/AAQ/250912/02
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025
Sampling Location	Rig. No: EV-2000-3 (Lakwa) Well Name: LKBL (E)	Latitude: 27.003569°, Longitude: 94.855045°	
Environmental Condition	Humidity: 72%	Temperature:	25.3 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m³	81.8	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m³	39.4	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m³	7.4	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m³	19.6	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm³	0.07	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R11	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/05
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 9.14 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-3 (Lakwa), Well Name: LKBL (E)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.09	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.16	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.7	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.55	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

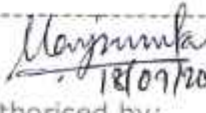
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R12	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/06
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 9.14 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-3 (Lakwa), Well Name: LKBL (E)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.14	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.82	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.47	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R13	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/07
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 9.14 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rtg. No: EV-2000-3 (Lakwa), Well Name: LKBL (E)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.16	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	5.09	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.62	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250918/R14	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	18/09/2025
		WO No. & Date	Ref: PO:5010166662, Dated: 03/09/2025
		Sample Id:	DMCU/S/250912/08
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (E-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 9.14 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-3 (Lakwa), Well Name: LKBL (E)		
Date of sampling	09/09/2025	Analysis Start Date:	12/09/2025
Received Date:	12/09/2025	Analysis End Date:	15/09/2025

Environmental Condition: Temperature: 25.3 °C, Humidity: 72%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.16	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	6.10	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.8	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.37	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R04		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025	
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
			Sample Id:	DMCU/AAQ/250922/03	
Sample Description	Air		Type of Sample	Ambient Air	
Sampling Protocol	IS 5182 (Part 5): 2020		Sample Collected by:	DMCU Envirochem LLP	
Date of sampling	20/09/2025		Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025		Analysis End Date:	25/09/2025	
Sampling Location	Rtg. No: EV-2000-4 (Konwar Gaon, Nemuguri), Well Name: KGDL (D)		Latitude: 27.014461°, Longitude: 94.793274°		
Environmental Condition	Humidity:	73%	Temperature:	25.1 °C	
ANALYSIS RESULT					
Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m³	67.0	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m³	38.2	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO₂)	µg/m³	7.3	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NOₓ)	µg/m³	24.9	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm³	0.13	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O₃)	µg/m³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH₃)	µg/m³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C₆H₆)	µg/m³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
Debashish Das

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R16	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/09
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 8 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-4 (Konwar Gaon, Nemuguri)	Well Name:	KGDL (D)
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.2	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.4	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.63	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.13	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R17	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/10
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (Powerpack-2)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-4 (Konwar Gaon, Nemuguri)		Well Name: KGDL (D)	
Date of sampling	20/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.17	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.0	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.46	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R18	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/11
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

- Stack Connected to: DG Stack (Powerpack-3)
- Capacity: 1430 KVA
- Emission due to: Burning of HSD
- Material of construction of stack: MS Sheet
- Shape of Stack: Circular
- Height of the Stack (a) from Ground level: 8 m
- Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-4 (Konwar Gaon, Nemuguri)	Well Name:	KGDL (D)
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.08	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.72	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.4	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R19		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/12	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-4) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 8 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: EV-2000-4 (Konwar Gaon, Nemuguri)	Well Name:	KGDL (D)	
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.14	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.2	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.49	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	0.91	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R06	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/AAQ/250922/05
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025
Sampling Location	Rig. No: EV-2000-5 (Hatipoti Grant, Near Hatigarh Nagaon Tribal LP School), Well Name: HPAC (E)	Latitude: 26.844432°, Longitude: 94.715473°	
Environmental Condition	Humidity: 73%	Temperature:	25.1 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	65.4	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	38.0	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	5.1	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	16.9	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.07	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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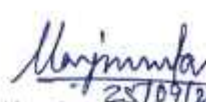
-----End of Report-----



Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)



Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R24	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/17
Sample Description	Stack Emission		Type of Sample	Flue Gas
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (Powerpack-1)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 7 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-5 (Hatipoti Grant, Near Hatigarh Nagaon Tribal LP School), Well Name: HPAC (E)			
Date of sampling	20/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.16	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.25	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.3	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.42	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.5	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
	Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
	More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R25	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/18
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-2) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 7 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-5 (Hatipoti Grant, Near Hatigarh Nagaon Tribal LP School), Well Name: HPAC (E)			
Date of sampling	20/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.09	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.4	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.35	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.4	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
	Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
	More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R26	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/19
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-5 (Hatipoti Grant, Near Hatigarh Nagaon Tribal LP School), Well Name: HPAC (E)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.11	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.07	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.41	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.03	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R27	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/20
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: EV-2000-5 (Hatipoti Grant, Near Hatigarh Nagaon Tribal LP School), Well Name: HPAC (E)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.16	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.9	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.15	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.76	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R07	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/AAQ/250922/06
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025
Sampling Location	Rig. No: M-4900 (Namtiail, Near Khoragarh Chariali, Kaloogaon), Well Name: CHDX (D)	Latitude: 26.903392°, Longitude: 94.628267°	
Environmental Condition	Humidity: 73%	Temperature:	25.1 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	69.6	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	35.0	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	5.3	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	18.1	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.10	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

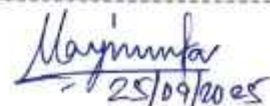
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R28	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/21
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-1)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-4900 (Namtial, Near Khoragarh Chariali, Kaloogaon), Well Name: CHDX (D)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	13.0	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.2	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.63	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R29	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/22
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-2)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-4900 (Namtial, Near Khoragarh Chariali, Kaloogaon), Well Name: CHDX (D)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	0.92	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.57	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.02	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

- The results relate to the sample tested only.
- The test report shall not be reproduced, except in full, without written approval of the company
- The laboratory is responsible for all the above information in the report.

-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R30	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/23
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-3)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-4900 (Namtial, Near Khoragarh Chariali, Kaloogaon), Well	Name:	CHDX (D)
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.11	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.4	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.3	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.42	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R31	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/24
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 7 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-4900 (Namtil, Near Khoragarh Chariali, Kaloogaon), Well Name: CHDX (D)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.13	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.7	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.55	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	11.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	7.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.05	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R02	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/AAQ/250922/01
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025
Sampling Location	Rig. No: M-6100-1 (Bokota, Nemuguri), Well Name: LPEV (D)	Latitude: 27.057219°, Longitude: 94.808241°	
Environmental Condition	Humidity: 73%	Temperature:	25.1 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	67.5	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	41.2	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	5.9	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	21.7	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.08	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

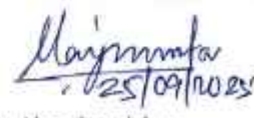
- The results relate to the sample tested only.
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R08		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/01	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-1) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 8 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: M-6100-1 (Bokota, Nemuguri), Well Name: LPEV (D)			
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.13	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	10.6	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.49	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R09	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/02
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (Powerpack-2)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-6100-1 (Bokota, Nemuguri), Well Name: LPEV (D)			
Date of sampling	19/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.9	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.7	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.63	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.5	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R10		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/03	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-3) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 8 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: M-6100-1 (Bokota, Nemuguri), Well Name: LPEV (D)			
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.13	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.5	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.5	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.54	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.6	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.02	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R11	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/04
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (Powerpack-4)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: M-6100-1 (Bokota, Nemuguri), Well Name: LPEV (D)			
Date of sampling	19/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.09	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.2	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.39	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	0.92	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R03	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/AAQ/250922/02
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025
Sampling Location	Rig. No: NG-1500-6 (Gohain Gaon, Nemuguri), Well Name: KGAG (E)	Latitude: 27.057283°, Longitude: 94.808412°	
Environmental Condition	Humidity: 73%	Temperature:	25.1 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	73.0	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	42.7	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.8	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	22.6	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.11	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-IO3.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-IO3.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R12	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/05
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

- Stack Connected to: DG Stack (Powerpack-1)
- Capacity: 1430 KVA
- Emission due to: Burning of HSD
- Material of construction of stack: MS Sheet
- Shape of Stack: Circular
- Height of the Stack (a) from Ground level: 8 m
- Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: NG-1500-6 (Gohain Gaon, Nemuguri), Well Name: KGAG (E)		
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.9	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.8	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.52	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.0	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.05	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

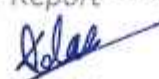
Remarks:

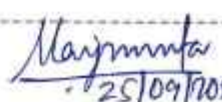
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-----End of Report-----


Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)


Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R13	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/06
Sample Description	Stack Emission	Type of Sample	Flue Gas	
<u>Physical Data of Stack Provided by customer:</u>				
1. Stack Connected to: DG Stack (Powerpack-2)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: NG-1500-6 (Gohain Gaon, Nemuguri)		Well Name: KGAG (E)	
Date of sampling	19/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.2	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.05	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.45	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.4	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)
<u>Emission Standard for DG Set:</u>				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A		Test Report No: DMCU/250925/R14	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.		Date of Reporting	25/09/2025
			WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
			Sample Id:	DMCU/S/250922/07
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer:				
1. Stack Connected to: DG Stack (Powerpack-3)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)		Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: NG-1500-6 (Gohain Gaon, Nemuguri)		Well Name: KGAG (E)	
Date of sampling	19/09/2025		Analysis Start Date:	22/09/2025
Received Date:	22/09/2025		Analysis End Date:	25/09/2025
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.4	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.37	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.0	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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End of Report

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R15		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/08	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-4) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 8 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: NG-1500-6 (Gohain Gaon, Nemuquri), Well Name: KGAG (E)			
Date of sampling	19/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.12	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	11.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.9	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.72	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	8.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.2	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines More than 75kW up to 800kW		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
		≤ 4.0	≤ 3.5	≤ 0.2

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-----End of Report-----

Prepared by:
(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R05	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/AAQ/250922/04
Sample Description	Air	Type of Sample	Ambient Air
Sampling Protocol	IS 5182 (Part 5): 2020	Sample Collected by:	DMCU Envirochem LLP
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025
Sampling Location	Rtg. No: NG-2000-4 (Mackeypore Tea Estate, Geleky), Well Name: HPA (E)	Latitude: 26.844432°, Longitude: 94.715473°	
Environmental Condition	Humidity: 73%	Temperature:	25.1 °C

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT (CPCB)	TEST METHOD
1.	Respirable Suspended Particulate Matter (PM 10)	µg/m ³	75.6	100	IS 5182: Part 23:2006 (Reaff. 2022)
2.	Fine Particulate Matter (PM 2.5)	µg/m ³	43.5	60	IS 5182: Part 24:2019 (Reaff. 2024)
3.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.2	80	IS 5182: Part 2 :2001 (Reaff.2022)
4.	Oxides of Nitrogen (as NO _x)	µg/m ³	23.8	80	IS 5182: Part 6 :2006 (Reaff.2017)
5.	Carbon Monoxide (as CO)	mg/Nm ³	0.09	2	IS 5182: Part 10: 1999 (Reaff.2014)
6.	Ozone (as O ₃)	µg/m ³	<20.0	180	IS 5182: Part 9 :1974 (Reaff.2019)
7.	Ammonia (as NH ₃)	µg/m ³	<10.0	400	IS 5182: Part 25 :(Reaff.2018)
8.	Lead (as Pb)	µg/m ³	<0.1	1	IS 5182: Part 22 :2004 (Reaff.2019)
9.	Nickel (as Ni)	µg/m ³	<5.0	20	USEPA-103.4
10.	Arsenic (as As)	µg/m ³	<1.0	6	USEPA-103.4
11.	Benzene (as C ₆ H ₆)	µg/m ³	<4.2	5	IS 5182: Part 11 :2006 (Reaff.2012)
12.	Benzo(a)Pyrene (BaP)	µg/m ³	<0.5	1	IS 5182: Part 12 :2004 (Reaff.2014)

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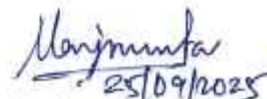
-----End of Report-----



Prepared by:
(Champak Barman)




Reviewed by:
(Debashish Das)



Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R20		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/13	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
Physical Data of Stack Provided by customer: 1. Stack Connected to: DG Stack (Powerpack-1) 2. Capacity: 1430 KVA 3. Emission due to: Burning of HSD 4. Material of construction of stack: MS Sheet 5. Shape of Stack: Circular 6. Height of the Stack (a) from Ground level: 8 m 7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: NG-2000-4 (Mackeypore Tea Estate, Geleky), Well Name: HPAA (E)			
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.11	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	12.5	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.6	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.54	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.0	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)
Emission Standard for DG Set:				
Capacity of Diesel Engines More than 75kW up to 800kW		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
		≤ 4.0	≤ 3.5	≤ 0.2

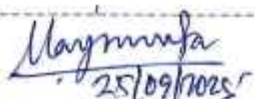
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-----End of Report-----


 Prepared by:
 (Champak Barman)


 Reviewed by:
 (Debashish Das)


 Authorised by:
 (Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R21	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/14
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

- Stack Connected to: DG Stack (Powerpack-2)
- Capacity: 1430 KVA
- Emission due to: Burning of HSD
- Material of construction of stack: MS Sheet
- Shape of Stack: Circular
- Height of the Stack (a) from Ground level: 8 m
- Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: NG-2000-4 (Mackeypore Tea Estate, Geleky), Well Name: HPAA (E)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.08	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	7.25	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.04	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.39	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	11.2	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.8	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.05	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

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-----End of Report-----

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Reviewed by:
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Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R22		
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025	
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025	
		Sample Id:	DMCU/S/250922/15	
Sample Description	Stack Emission	Type of Sample	Flue Gas	
<u>Physical Data of Stack Provided by customer:</u>				
1. Stack Connected to: DG Stack (Powerpack-3)				
2. Capacity: 1430 KVA				
3. Emission due to: Burning of HSD				
4. Material of construction of stack: MS Sheet				
5. Shape of Stack: Circular				
6. Height of the Stack (a) from Ground level: 8 m				
7. Diameter of stack at sampling point: 0.2 m				
Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP	
Sampling Location	Rig. No: NG-2000-4 (Mackeypore Tea Estate, Geleky), Well Name: HPAA (E)			
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025	
Received Date:	22/09/2025	Analysis End Date:	25/09/2025	
Environmental Condition: Temperature: 25.1 °C, Humidity: 73%				
ANALYSIS RESULT				
Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.12	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	8.76	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.09	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.45	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	10.6	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	6.0	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.2	IS 13270:1992 (Reaff. 2014)
<u>Emission Standard for DG Set:</u>				
Capacity of Diesel Engines		Emission Limits (g/kW-hr)		
		NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW		≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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-----End of Report-----

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Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)

TEST REPORT

ULR No:	N/A	Test Report No: DMCU/250925/R23	
Customer Name & Address	M/S OIL AND NATURAL GAS CORPORATION LIMITED Sivasagar Base Office, B. G. Road, Assam, Pin-785640.	Date of Reporting	25/09/2025
		WO No. & Date	Ref: PO:5010166876, Dated: 12/09/2025
		Sample Id:	DMCU/S/250922/16
Sample Description	Stack Emission	Type of Sample	Flue Gas

Physical Data of Stack Provided by customer:

1. Stack Connected to: DG Stack (Powerpack-4)
2. Capacity: 1430 KVA
3. Emission due to: Burning of HSD
4. Material of construction of stack: MS Sheet
5. Shape of Stack: Circular
6. Height of the Stack (a) from Ground level: 8 m
7. Diameter of stack at sampling point: 0.2 m

Sampling Protocol	IS 11255 (Part 1)	Sample Collected by:	DMCU Envirochem LLP
Sampling Location	Rig. No: NG-2000-4 (Mackeypore Tea Estate, Geleky), Well Name: HPAA (E)		
Date of sampling	20/09/2025	Analysis Start Date:	22/09/2025
Received Date:	22/09/2025	Analysis End Date:	25/09/2025

Environmental Condition: Temperature: 25.1 °C, Humidity: 73%

ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	TEST METHOD
1.	Particulate Matter	g/kW-hr	0.15	IS 11255: Part I
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	9.3	IS 11255: Part II
3.	Oxides of Nitrogen (NO _x)	g/kW-hr	1.1	IS 11255: Part VI
4.	Total Hydrocarbon	g/kW-hr	0.51	IS 11255: Part XV
5.	Oxygen (O ₂)	% V/V	9.8	IS 13270:1992 (Reaff. 2014)
6.	Carbon dioxide (CO ₂)	% V/V	5.4	IS 13270:1992 (Reaff. 2014)
7.	Carbon monoxide (CO)	g/kW-hr	1.3	IS 13270:1992 (Reaff. 2014)

Emission Standard for DG Set:

Capacity of Diesel Engines	Emission Limits (g/kW-hr)		
	NO _x + HC	CO	Particulate matter (PM)
More than 75kW up to 800kW	≤ 4.0	≤ 3.5	≤ 0.2

Remarks:

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(Champak Barman)



Reviewed by:
(Debashish Das)

Authorised by:
(Dr. Mayur Jyoti Mahanta)



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SBS.DS.QHSE.PF.09.05

Issue No. 04	Date 08.09.2017
Rev. No. 02	22.11.2022
Page 1 of 1	

NOISE MONITORING DATA

RIG No. E-1400-6

DATE: 03.10.2025

WELL:- LMFG

MINES: DOM Assam Asset

➤ Derrick Floor :	72 dB (Day)	70 dB (Night)
➤ Dog House :	69 dB	68 dB
➤ Monkey Board:		
➤ Engine House:		
1 89 dB (D)	89 dB (N)	2 89 dB 88 dB 3 89 dB 87 dB

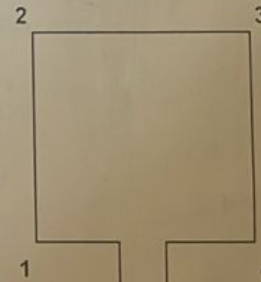
PCR: 81 dB 80 dB

1	2	3
➤ Chemical Shed :	69 dB	68 dB
➤ Chemical bunk House:	67 dB	66 dB
➤ Geology Laboratory :	dB	dB
➤ Bunk Houses and Room :		
a. DIC:-	64 dB	63 dB
b. Staff:-	65 dB	64 dB
i) Electrical:	67 dB	65 dB
ii) Mechanical:	66 dB	65 dB
iii) Drilling:	67 dB	66 dB

c. Security:

Boundary :

Corner 1.	65 dB	64 dB
Corner 2.	66 dB	65 dB
Corner 3.	66 dB	65 dB
Corner 4.	62 dB	61 dB



Complain Areas :

- 1.
- 2.
- 3.
- 4.

DIC Sign:-



K. KAMAN
DGM (D)
DIC-Rig-E-1400-VI

Any Extra Points :

Time: 10.00 hrs. Day
21.00 hrs. Night

Monitored By

JOY KUJUR
AS (D) CPT-12025
DRILLING SERVICES, H.S.E.
ONGC LTD. SIVSAGAR



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SBS.DS.QHSE.PF.09.05

Issue No. 04

Date: 08.09.2017

Rev. No. 02

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NOISE MONITORING DATA

RIG No.: EV-2000-5

WELL:- LMFH

DATE: 28.12.2025

MINES: DOM Assam Asset

- Derrick Floor : 72 dB (Day) 68 dB (Night)
➤ Dog House : 70 dB 67 dB

➤ Monkey Board:

➤ Engine House:

1 88 dB (D) 86 dB (N) 2 87 dB 86 dB 3 88 dB (D) 87 dB (N)

PCR: 87 dB 86 dB

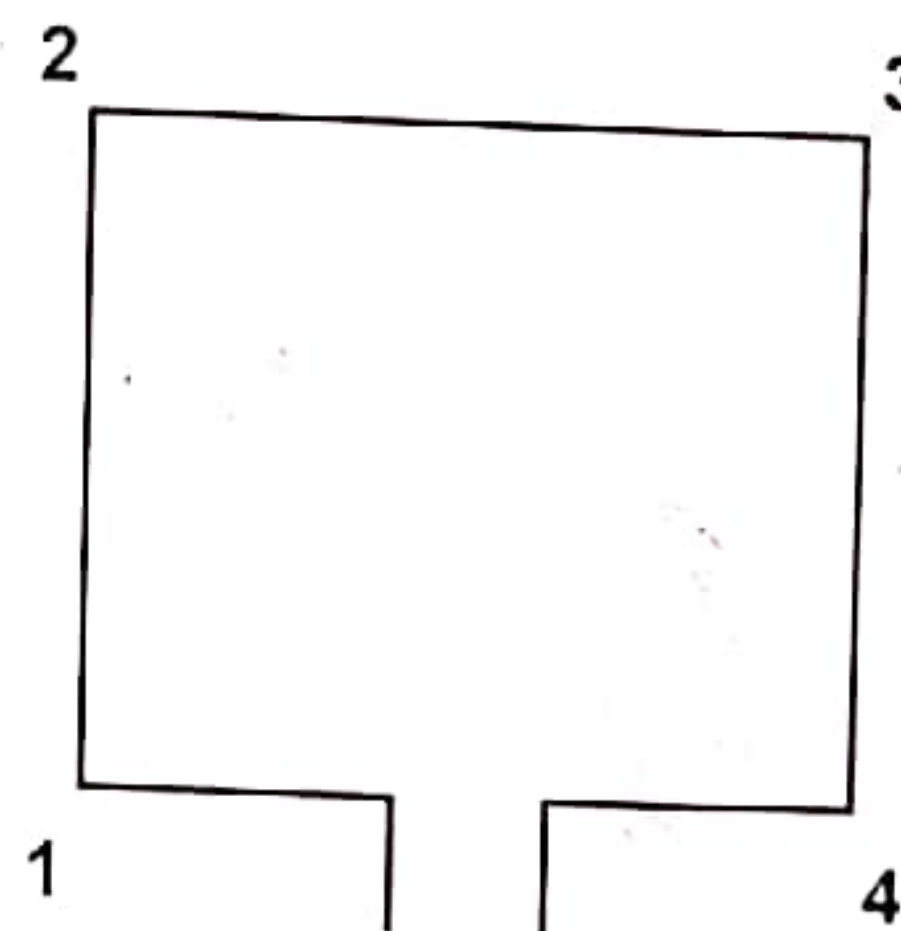
- 1 2 3
➤ Chemical Shed : 67 dB 66 dB
➤ Chemical bunk House: 67 dB 66 dB
➤ Geology Laboratory : dB dB
➤ Bunk Houses and Room :
a. DIC:- 63 dB 62 dB

- i) Electrical: 64 dB 63 dB
ii) Mechanical: 64 dB 63 dB
iii) Drilling: 63 dB 62 dB

b. Security:

Boundary :

Corner 1. 68 dB 67 dB
Corner 2. 67 dB 66 dB
Corner 3. 65 dB 64 dB
Corner 4. 62 dB 61 dB



Complain Areas :

1.
2.
3.
4

Operation:- Drilling

DIC Sign.: *[Signature]*
K. S. Sanyal

Any Extra Points :

Time: 10.00 hrs. Day
22.00 hrs. Night

[Signature]
Monitored By
JOY KUMAR
DRILLING SERVICES, H.S.E.
ONGC LTD, SIVSAGAR



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SBS.DS.QHSE.PF.09.05

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NOISE MONITORING DATA

No.:- EV 2000-5

DATE: 15.05.2025

L:- HPAC

MINES: DOM Assam Asset

- Derrick Floor : 72 dB (Day) 69 dB (Night)
➤ Dog House : 70 dB 68 dB
➤ Monkey Board:
➤ Engine House:

1 90 dB (D) 88 dB (N) 2 89 dB 87 dB 3 90 dB (D) 88 dB (N)

PCR: 88 dB 86 dB

1

2

3

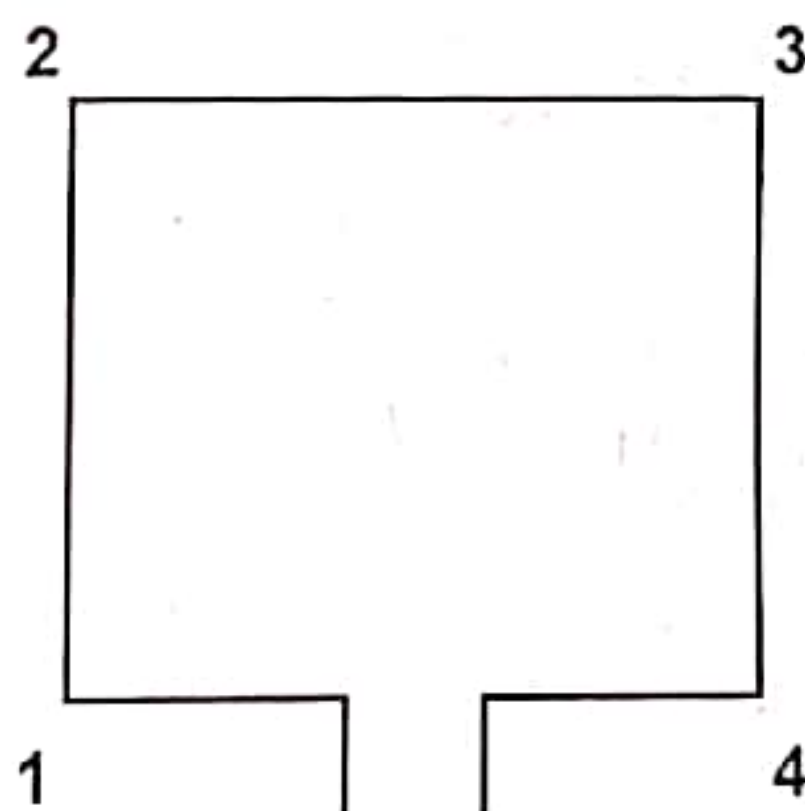
- Chemical Shed : 67 dB 66 dB
➤ Chemical bunk House: 67 dB 65 dB
➤ Geology Laboratory : dB dB
➤ Bunk Houses and Room :
a. DIC:- 63 dB 62 dB

- i) Electrical: 64 dB 62 dB
ii) Mechanical: 65 dB 63 dB
iii) Drilling: 64 dB 61 dB

b. Security:

Boundary :

Corner 1. 66 dB 64 dB
Corner 2. 68 dB 66 dB
Corner 3. 66 dB 64 dB
Corner 4. 65 dB 64 dB

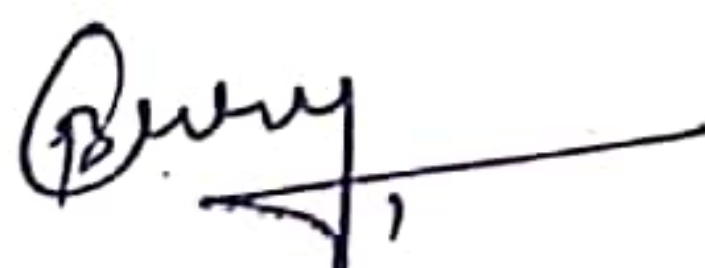


Complain Areas :

1.
2.
3.
4

Operation:- Drilling

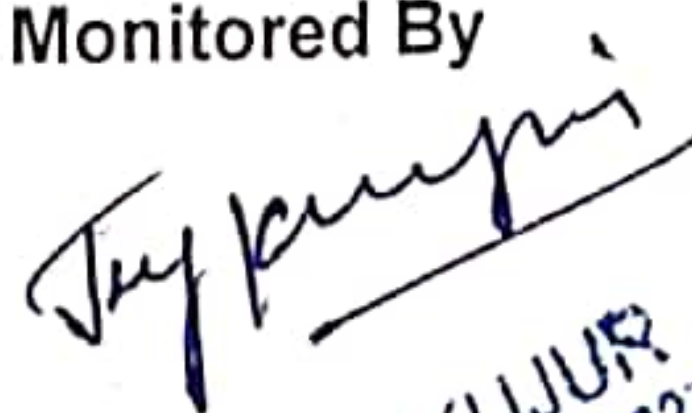
DIC Sign.:-


B. R. Gurus, SE (D)

Any Extra Points :

Time: 10.00 hrs. Day
22.00 hrs. Night

Monitored By



JOY KUJUR
AE (D), CPF-120827
DRILLING SERVICES, H.S.F
SIVSAGAR

ONGC



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

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NOISE MONITORING DATA

DATE: 23.12.2025

MINES: DOM Assam Asset

RIG No.:- NG-2000-4

WELL:- HPAA

➤ Derrick Floor :	72 dB (Day)	68 dB (Night)
➤ Dog House :	70 dB	67 dB
➤ Monkey Board:		
➤ Engine House:		
1	88 dB (D)	86 dB (N)
2	87 dB	86 dB
3	88 dB (D)	87 dB (N)

PCR: 87 dB 86 dB

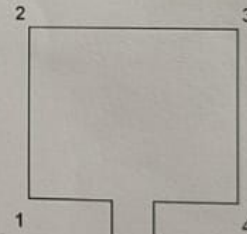
1	2	3
➤ Chemical Shed :	67 dB	66 dB
➤ Chemical bunk House:	67 dB	66 dB
➤ Geology Laboratory :	dB	dB
➤ Bunk Houses and Room :		
a. DIC:-	63 dB	62 dB

i) Electrical:	63 dB	62 dB
ii) Mechanical:	64 dB	63 dB
iii) Drilling:	64 dB	63 dB

b. Security:

Boundary :

Corner 1.	68 dB	67 dB
Corner 2.	67 dB	66 dB
Corner 3.	65 dB	64 dB
Corner 4.	63 dB	62 dB



Complain Areas :

- 1.
- 2.
- 3.
- 4.

Operation:- Drilling

DIC Sign:
ARUN SHEK SRIVASTAVA
CE (D), DIC, NG-2000-4
Assam Asset

JOY KUMAR
SBS (D), PF-120027
DRILLING SERVICES, H.S.E.
Assam Asset

Monitored By

Any Extra Points :

Time: 10.00 hrs. Day
22.00 hrs. Night



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

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NOISE MONITORING DATA

RIG No.:- NG-2000-6

DATE: 20.12.2025

WELL:- LKBF

MINES: DOM Assam Asset

- > Derrick Floor : 72 dB (Day) 68 dB (Night)
- > Dog House : 70 dB 67 dB
- > Monkey Board:
- > Engine House:

1 88 dB (D) 86 dB (N) 2 87 dB 86 dB 3 88 dB (D) 87 dB (N)

PCR: 87 dB 86 dB

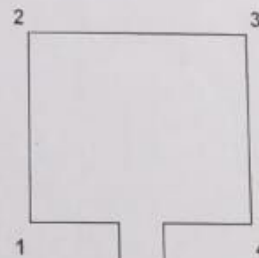
- 1 2 3
- > Chemical Shed : 67 dB 66 dB
- > Chemical bunk House: 67 dB 66 dB
- > Geology Laboratory : dB dB
- > Bunk Houses and Room :
- a. DIC:- 63 dB 62 dB

- i) Electrical: 64 dB 63 dB
- ii) Mechanical: 64 dB 63 dB
- iii) Drilling: 63 dB 62 dB

b. Security:

Boundary :

Corner 1. 68 dB 67 dB
 Corner 2. 67 dB 66 dB
 Corner 3. 65 dB 64 dB
 Corner 4. 62 dB 61 dB



Complain Areas :

- 1.
- 2.
- 3.
- 4.

Operation:- Drilling

DIC Sign.:-

Joy Kujur

Monitored By

Any Extra Points :

Time: 10.00 hrs. Day
 22.00 hrs. Night

JOY KUJUR
 AE (D), CPF-120027
 DRILLING SERVICES, H.S.E.
 SIVSAGAR



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SBS DS QHSE PF 09

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NOISE MONITORING DATA

RIG No.: E-3000-1

DATE: 20.12.2025

WELL:- LPEZ

MINES: DOM Assam Asset

- > Derrick Floor : 71 dB (Day) 69 dB (Night)
> Dog House : 68 dB 67 dB
> Monkey Board:
> Engine House:
1 86 dB (D) 86 dB (N) 2 87 dB (D) 87 dB (N) 3 86 dB (D) 86 dB (N)

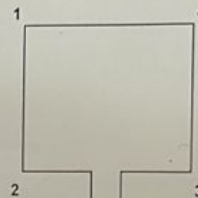
PCR: 78 dB 78 dB

- 1 2 3
> Chemical Shed : 65 dB 64 dB
> Chemist bunk House: 60 dB 59 dB
> Geology Laboratory : 60 dB 58 dB
> Bunk Houses and Room :
a. DIC:- 57 dB 56 dB
b. Staff:- 58 dB 56 dB
i) Electrical: 58 dB 56 dB
ii) Mechanical: 58 dB 57 dB
iii) Drilling: 57 dB 55 dB

c. Security:

Boundary :

- Corner 1. 57 dB 56 dB
Corner 2. 51 dB 50 dB
Corner 3. 50 dB 49 dB
Corner 4. 55 dB 54 dB



Complain Areas :

1.
2.
3.

Operation:-DRILLING

DIC Sign.:-

Any Extra Points :

Time: 10.00 hrs. Day
21.30 hrs. Night

Monitored By

Joy Kumar.

JOY KUMAR
MEMO, OFF-12007
DRILLING SERVICES, H.S.E
ONGC LTD, SIVSAGAR



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SB5.DS.QHSE.PF.09.05

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NOISE MONITORING DATA

RIG No.:- M-4900

WELL:- CMDY

DATE:- 10/11/2025

MINES: DOM Assam Asset

- > Derrick Floor : 75 dB (Day) 71 dB (Night)
- > Dog House : 70 dB 68 dB
- > Monkey Board:
- > Engine House:

1 88 dB (D) 87 dB (N) 2 89 dB 87 dB 3 88 dB 87 dB

PCR: 85 dB 82 dB

- 1 2
- > Chemical Shed : 63 dB 62 dB
- > Chemical bunk House: 65 dB 64 dB
- > Geology Laboratory : dB dB
- > Bunk Houses and Room :
 - a. DIC:- 63 dB 61 dB
 - b. Staff:- 62 dB 60 dB
 - i) Electrical: 61 dB 58 dB
 - ii) Mechanical: 63 dB 60 dB
 - iii) Drilling: 60 dB 59 dB
 - c. Security:
- Boundary :
 - Corner 1. 61 dB 60 dB
 - Corner 2. 63 dB 61 dB
 - Corner 3. 64 dB 62 dB
 - Corner 4. 62 dB 59 dB

Complain Areas :

- 1.
- 2.
- 3.
- 4.

Operation:-Drilling

DIC Sign.:-

Ranikumar Vayhela

Monitored By

[Signature]

Any Extra Points :

Time: 11.00 hrs. Day
22.10 hrs. Night



NOISE MONITORING DATA

RIG No.: E-1400-13

DATE: 11/10/2025

WELL:- RSFL

MINES: DOM Assam Asset

- Derrick Floor : 77 dB (Day) 69 dB (Night)
- Dog House : 69 dB 67 dB
- Monkey Board:
- Engine House:

1 91 dB (D) 90 dB (N) 2 92 dB 91 dB 3 90 dB 89 dB

PCR: 85 dB 74 dB

- | | |
|--------------------------|-------------|
| 1 | 2 |
| ➤ Chemical Shed : | 67 dB 67 dB |
| ➤ Chemical bunk House: | 67 dB 66 dB |
| ➤ Geology Laboratory : | dB dB |
| ➤ Bunk Houses and Room : | |

a. DIC:- 65 dB 64 dB

b. Staff:- 65 dB 63 dB

i) Electrical: 66 dB 65 dB

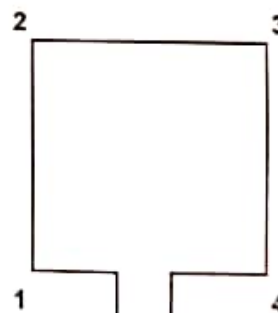
ii) Mechanical: 67 dB 66 dB

iii) Drilling: 67 dB 66 dB

c. Security:

Boundary :

Corner 1.	62 dB	61 dB
Corner 2.	66 dB	65 dB
Corner 3.	67 dB	66 dB
Corner 4.	63 dB	62 dB



Complain Areas :

1. NIL
- 2.
- 3.
- 4.

Operation:-DRILL

DIC Sign.:-

Monitored By

Any Extra Points :

Time: 10.00 hrs. Day
 22.00 hrs. Night





OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

Doc. No. SBS.DS.QHSE.PF.09.05

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NOISE MONITORING DATA

RIG No.:- NG 1500-6

DATE: 27.02.2026

WELL:- LPEX

MINES: DOM Assam Asset

➤ Derrick Floor :	70 dB (Day)	68 dB (Night)
➤ Dog House :	69 dB	67 dB
➤ Monkey Board:		
➤ Engine House:		
1	88 dB (D)	86 dB (N)
2	89 dB	88 dB
3	87 dB (D)	86 dB (N)

PCR: 86 dB 85 dB

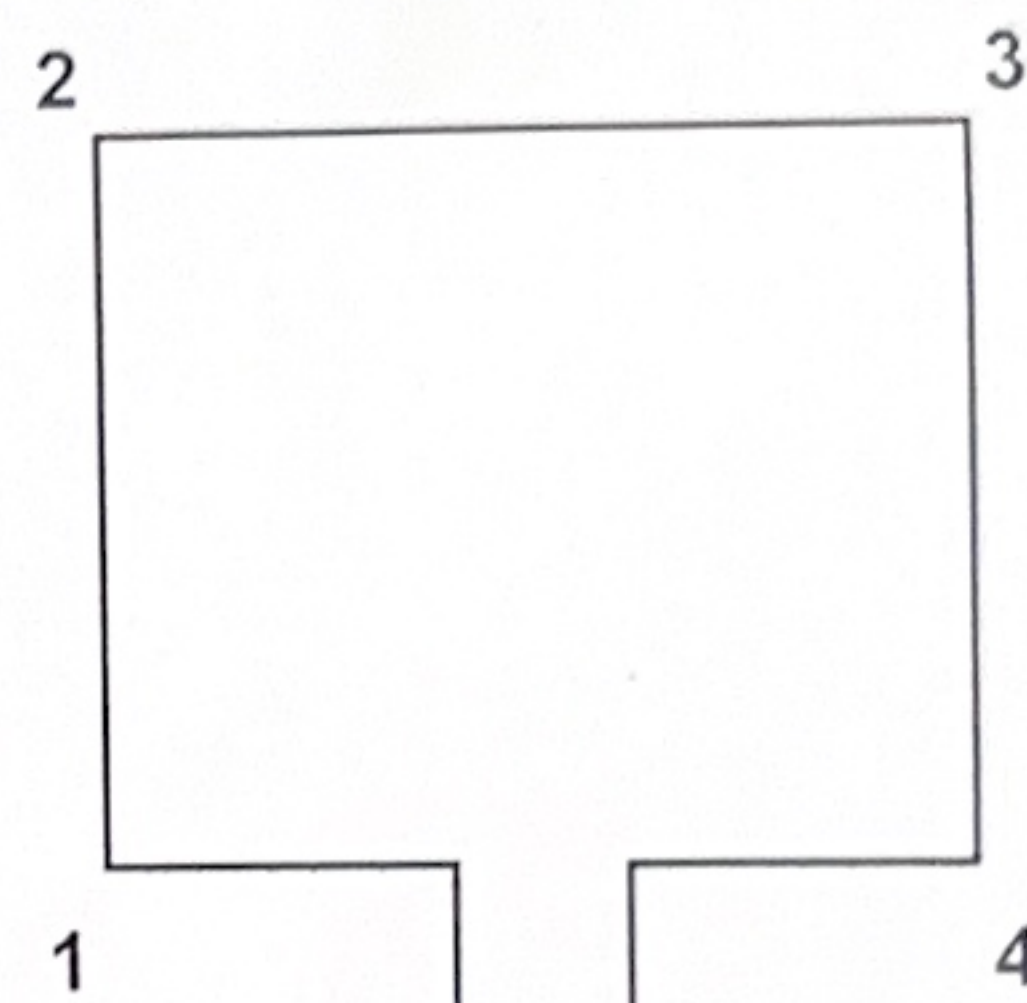
➤ Chemical Shed :	67 dB	66 dB
➤ Chemical bunk House:	67 dB	66 dB
➤ Geology Laboratory :	dB	dB
➤ Bunk Houses and Room :		
a. DIC:-	61 dB	56 dB

i) Electrical:	61 dB	60 dB
ii) Mechanical:	62 dB	60 dB
iii) Drilling:	63 dB	62 dB

b. Security:

Boundary :

Corner 1.	58 dB	57 dB
Corner 2.	61 dB	60 dB
Corner 3.	62 dB	61 dB
Corner 4.	59 dB	58 dB



Complain Areas :

- 1.
- 2.
- 3.
- 4.

Operation:- Drilling

DIC Sign.:-

Any Extra Points

24/02/2026
A. K. VERMA
SE (D), DIC
RIG: NG-1500

Time:

10.00 hrs. Day

22.00 hrs. Night

JOY KUJUR
Monitored By
AE (D), C.P. 1200
DRILLING SERVICES, H.S.E
SIVSAGAR



OIL AND NATURAL GAS CORPORATION LTD
DRILLING SERVICES, ASSAM ASSET
SIVSAGAR

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NOISE MONITORING DATA

RIG No.:- E-1400-4

DATE: 02.04.2026

WELL:- GKLF

MINES: DOM Assam Asset

- Derrick Floor : 70 dB (Day) 68 dB (Night)
 - Dog House : 69 dB 67 dB
 - Monkey Board:
 - Engine House:
- 1 88 dB (D) 86 dB (N) 2 89 dB 88 dB 3 87 dB (D) 86 dB (N)

PCR: 86 dB 85 dB

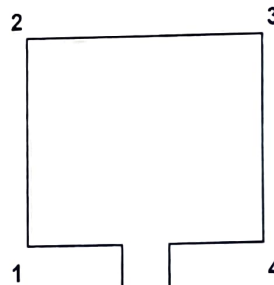
- Chemical Shed : 67 dB 66 dB
 - Chemical bunk House: 67 dB 66 dB
 - Geology Laboratory : dB dB
 - Bunk Houses and Room :
- a. DIC:- 61 dB 56 dB

- i) Electrical: 61 dB 60 dB
- ii) Mechanical: 62 dB 60 dB
- iii) Drilling: 63 dB 62 dB

b. Security:

Boundary :

- Corner 1. 58 dB 57 dB
- Corner 2. 61 dB 60 dB
- Corner 3. 62 dB 61 dB
- Corner 4. 59 dB 58 dB



Complain Areas :

- 1.
- 2.
- 3.
- 4.

Operation:- Drilling

DIC Sign.:-

M. R. Basumatary
DGM, D, CPF - 81428
ONGC - E-1400 # IV

Any Extra Points :

Time: 10.00 hrs. Day
 22.00 hrs. Night

Monitored By

JOY KULUR
Asst. Engineer
Drilling Services, N.E.Z.
ONGC LTD., SIVSAGAR

CSR Expenditure, FY 2025-26, ONGC Assam Asset

S. No.	Project Name	Project Amount (In Rs)	Amount Utilised during the year (In Rs)
1	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF INDOOR BADMINTON STADIUM AT BORBORUAH PUKHURI BANK, UNDER NAZIRA SUB-DIVISION.	4950750	680833
2	FINANCIAL ASSISTANCE FOR RENOVATION OF THE OLD PAVILION BUILDING OF PIYOLI PHUKAN STADIUM, SIVASAGAR_FISS	5151813	2704701
3	FINANCIAL ASSISTANCE FOR RENOVATION OF THE OLD PAVILION BUILDING OF PIYOLI PHUKAN STADIUM, SIVASAGAR_FISS		128795
4	FA FOR 12 MONTHS TRAINING OF UNDERPRIVILEGED STUDENTS OF ONGC OPERATIONAL AREAS FOR NEET FOR CONSECUTIVE THREE YEARS (2024-25, 2025-26 & 26-27)	7362000	646200
5	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF WOMEN LED LAKE SIDE CAFETERIA NEAR THE LIBRARY AT BORBORUAH PUKHURI UNDER NAZIRA SUBDIVISION IN SIVASAGAR DIS	935321	233829
6	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF WOMEN LED LAKE SIDE CAFETERIA NEAR THE LIBRARY AT BORBORUAH PUKHURI UNDER NAZIRA SUBDIVISION IN SIVASAGAR DIS		514425
7	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF BOUNDARY WALL AT RNT TEA GARDEN, LAKWA (PLAYGROUND) UNDER CSR.	949815	500465
8	FINANCIAL ASSISTANCE FOR INSTALLATION 3 MODULAR TOILETS IN RUDRASAGAR PRIMARY SCHOOL, RUDRASAGAR, SIVASAGAR	594720	297360
9	DRIVING TRAINING FOR RURAL	120000	119998
10	COACHING FOR VARIOUS SPORTS	95000	95000
11	RENOVATION OF SATI RADHIKA BHAVASN	889192	889192
12	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF SHED AT JAWAHAR NAVODAYA VIDYALAYA, SIVASAGAR.	1586569	396642
13	REPAIR & MAINTENANCE OF ADARSHA VIDYA BHAVAN, NAZIRA	5135549.59	4610982
14	FA FOR INSTALLATION OF PUBLIC DRINKING WATER FACILITY AT GELEKY VETERINARY HOSPITAL, SIVASAGAR.	648985	617483
15	FINANCIAL ASSISTANCE FOR PROVIDING 15 NUMBERS OF 4 SEATER DESK & BENCHES IN 25 SCHOOLS OF SHIVSAGAR DISTRICT	2962500	1481250
16	FINANCIAL ASSISTANCE FOR TRAINING AND PROMOTION OF ASSAMESE ART AND CULTURE AMONG YOUTH TO PROMOTE EMPLOYMENT AT LAKWA, CHARAIDEO DISTRICT	658762	345850
17	FINANCIAL ASSISTANCE FOR TRAINING AND PROMOTION OF ASSAMESE ART AND CULTURE AMONG YOUTH TO PROMOTE EMPLOYMENT AT LAKWA, CHARAIDEO DISTRICT		345850
18	FINANCIAL ASSISTANCE FOR INSTALLATION OF DRINKING WATER FACILITY AND TOILET BLOCK AT CHAKIMUKH HS SCHOOL, NAZIRA	1371706	720145
19	FINANCIAL ASSISTANCE FOR INSTALLATION OF DRINKING WATER FACILITY AND TOILET BLOCK AT CHAKIMUKH HS SCHOOL, NAZIRA		688553
20	FA FOR TRAINING OF WEAVING OF MUGA AND ERI SILK HANDLOOM PROJECT FOR EMPOWERING WOMEN WITH EQUIPMENT AT SEPON, DIST. CHARAIDEO	1447688	723844
21	FA FOR TRAINING OF WEAVING OF MUGA AND ERI SILK HANDLOOM PROJECT FOR EMPOWERING WOMEN WITH EQUIPMENT AT SEPON, DIST. CHARAIDEO		579076
22	FINANCIAL ASSISTANCE FOR PROVIDING GYM EQUIPMENT AT PIYOLI PHUKON STADIUM, SIVASAGAR	1490475	1490475
23	FA-EARLY IDENTIFICATION OF ORAL CANCER THROUGH ARTIFICIAL INTELLIGENCE BASED SCREENING TOOLS IN NAZIRA BLOCK,SIVASAGAR DISTRICT.	1452927	726464
24	FINANCIAL ASSISTANCE FOR ORGANIZING VARIOUS ACTIVITIES DURING SP-2025 AT NAZIRA AND SIVASAGAR.	465097	465096
25	FA FOR DISTRIBUTION OF DUSTBINS AND VARIOUS ITEMS DURING SP-2025	1481340	1481340
26	ADHOC GRANT IN AID TO KENDRIYA VIDYALAYA, NAZIRA(F.Y 2025-26)	18000000	18000000
27	ADHOC GRANT IN AID TO KENDRIYA VIDYALAYA, SHIVSAGAR (F.Y 2025-26)	17000000	17000000
28	FINANCIAL ASSISTANCE FOR PROVIDING FLOOD RELIEF TO 150 FAMILIES RESIDING IN SURROUNDING AREAS OF GGS-1, RUDRASAGAR	99000	99000
29	EXPENDITURE FOR ARRANGEMENTS MADE FOR PMIS TRAINING	44663	44663
30	GRANT IN AID TO KG SCHOOL(FY-2025-26)	3000000	3000000
31	FINANCIAL ASSISTANCE FOR CLEANLINESS TARGETED UNIT (CTU) AND CLEANING DRIVE AT PUBLIC PLACES UNDER SWACHHATA HI SEWA-2025 CAMPAIGN	97699	97698
32	FINANCIAL ASSISTANCE FOR DISTRIBUTION OF DUSTBINS AND OTHER ITEMS DURING SWACHHATA HI SEWA -2025	752209	752209

33	CONSTRUCTION OF BOUNDARY WALL AROUND JYOTIGRIHA-A FEMALE MENTAL REHABILITATION CENTRE, NAZIRA	1995978.97	399196
34	INSTALLATION OF 90 SOLAR STREET LIGHTS AT NAZIRA,SIVASAGAR DISTRICT.	1091446	1091446
35	FINANCIAL ASSISTANCE FOR CONSTRUCTING 20 MODEL ANGANWADI CENTERS AT UDALGURI (ASPIRATIONAL) DISTRICT, ASSAM	31191300	6238260
36	CONSTRUCTION OF BOUNDARY WALL & RENOVATION OF TOILETS AT SAPTA SHIKHA M.E SCHOOL, P.O LAKHIMIJJAN, NAZIRA.	1357628	610933
37	PMIS-PAYMENT OF FOOD & ACCOMODATION TO INTERNS AT ASSAM ASSET FOR THE MONTH OF DECEMBER 2024	1775000	1775000
38	FINANCIAL ASSISTANCE FOR DISTRIBUTION OF BICYCLES TO SUPPORT ECONOMICALLY DISADVANTAGED BUT MERITORIOUS ST STUDENTS IN CONTINUING THEIR EDUCATION AS PART OF JANJATIYA GAURAV V	658632	614216
39	AOC PAYMENT TO KENDRIYA VIDYALAYA, NAZIRA FOR THE F.Y 2025-26	5312000	5312000
40	AOC PAYMENT TO KENDRIYA VIDYALAYA, SIVASAGAR FOR THE F.Y 2025-26	5958000	5958000
41	CONSTRUCTION OF STAGE CUM AUDITORIUM AT 434 NO. RUPAHIMUKH L.P.SCHOOL, RUDRASAGAR, SBS DISTRICT OF ASSAM.	960401	192080
42	FINANCIAL ASSISTANCE FOR PROVIDING THERAPY & ELECTRONICS ITEMS TO RTRO , GUWAHATI FOR SPECIALLY ABLED CHILDREN	874800	437400
43	FINANCIAL ASSISTANCE FOR CONSTRUCTION OF TWO ADDITIONAL CLASSROOMS AT PM SHRI BORSILLAH HIGH SCHOOL, P.O.TIPHOOK, NAZIRA	1159889	231978
44	FA-ANUGRAHA DRIHTIDAN FOR CONDUCTING 09 EYE SCREENING & CATRACT OPERATION CAMPS AT VARIOUS LOCATIONS IN OPERATIONAL AREAS OF ONGC ASSAM ASSET.	1275000	637500
45	GRANT IN AID TO KG SCHOOLS FOR FY-2025-26 (LAST INSTALLMENT)	2982000	2982000
46	GRANT IN AID TO DPS,NAZIRA FOR F.Y 2025-26	7750000	1750000
47	GRANT IN AID TO DPS,NAZIRA FOR F.Y 2025-26		6000000
48	MEDICAL CAMP AT BOKOTA VILLAGE (LAIPLING M.E.SCHOOL) 18.11.2025	170280	170278
49	GRANT-IN-AID K.V.SIVASAGAR, FY-2025-2026 (2ND & FINAL INSTALLMENT)	19430291	19430291
50	GRANT-IN-AID, K.V,NAZIRA- FY 2025-2026 (2ND & FINAL INSTALLMENT)	24498670	24498670
51	FINANCIAL ASSISTANCE FOR ORGANIZING 23RD DHANVANTARI SEVA YATRA REQUESTED BY SEVA BHARATI PURBANCHAL	1416710	708350
52	RENOVATION OF DORIKA KINAR JANAJATI L.P.SCHOOL, SIVASAGAR	1102500	882000
53	RENOVATION WORK OF 343 NO. LIGIRI BARI L.P.SCHOOL, DEMOW BLOCK, SIVASAGAR.	1431323	1145058
54	FA FOR DESK & BENCHES UNDER ACP-2025-26	419738	377764
55	FA FOR MODULAR SANITATION UNDER ACP-2025-26	934322	840890
56	PMIS-PAYMENT OF FOOD & ACCOMODATION TO INTERNS AT ASSAM ASSET FOR THE MONTH OF JANUARY 2025	1775000	1775000
57	FINANCIAL ASSISTANCE FOR SUPPLY OF CGI SHEETS, PLASTIC CHAIRS TO COMMUNITY BASED ORGANIZATION/INSTITUTIONS AND YARN TO SHGS UNDER ACP FOR SC/ST (F.Y.2025-26)	1209863	1088877
Total CSR Expenditure			145624605

CER Data FY 2025-26, ONGC Assam Asset

Sr No.	Text	Amount in Local Currency
1	FA for sponsoring 10 d.pharm TGL student	11,55,020.00
2	1st Installment 10 nos ANM under CER2026	9,35,000.00
3	1st Installment 10 nos GNM under CER2026	12,32,000.00
4	Financial Assistance sponsoring 9Stdnt	10,39,518.00
5	2nd installment for D.pharm of 9 student	10,39,518.00
6	1st Installment 10 nos GNM under CER	11,42,000.00
7	3rd Installment 14 nos of	12,79,040.00
8	3rd Installment 15 nos of ANM	12,52,500.00
9	Financial Assistance for sponsoring 09 s	10,39,518.00
10		5,15,000.00
11	Installation of Solar lights	4,13,000.00
12	Supply of Solar lights	78,38,880.00
13		12,52,500.00
14		12,79,040.00
15	2nd Inst FA Tea trine community 14 Nos Nursing tra	12,79,040.00
16	2nd Inst FA Tea trine community 15 Nos Nursing tra	12,52,500.00
17	2nd Inst FA Tea trine community 15 Nos Nursing tra	-12,52,500.00
18	2nd Inst FA Tea trine community 14 Nos Nursing tra	-12,79,040.00
19	F A Const of Central liabrary B Das Modi Gelaky	8,80,992.00
20	2nd & Final Inst F A Providing Digital small board	8,42,472.00
21		15,98,800.00
22		12,52,500.00
23		8,82,000.00
24		3,780.00
25		3,780.00
26		3,780.00
27		3,780.00
28		19,824.00
29		24,308.00
30		23,303.00
31		28,343.00
32		4,032.00
33		19,992.00
34		739.00
35		97,610.64
36		4,772.00
37		19,991.00
38		1,03,238.99
39		1,06,182.00
40	MEDICAL CHECK-UP UNDER CER AT ONGC OPERATION AREA	97,976.61

41		87,949.70
42		2,688.00
43		19,992.00
44		493.00
45		4,032.00
46		19,992.00
47		740.00
48		4,032.00
49		19,992.00
50		740.00
51	MEDICAL CHECK-UP UNDER CER AT ONGC OPERATION AREA	20,000.00
52		20,000.00
53		20,000.00
54		20,000.00
55		20,000.00
56		8,80,992.00
57		3,909.00
58		2,688.00
59		19,992.00
60	MED CAMP UNDER CER AT GALEKY ATHKHEL	1,06,472.00
61		11,88,000.00
62		8,82,000.00
63		4,32,999.00
64	FA TO 677 BOKOTA PARIJAT LP SCHOOL	8,42,473.00
65		1,41,599.00
66		2,60,099.00
67		11,41,959.92
68		10,00,000.00
69		8,65,998.00
70		3,30,666.00
71		3,81,841.00
72		8,65,998.00
Expenditure till date		3,70,43,066.86



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ONGC

ENERGY: Now AND Next

SITE SPECIFIC EMERGENCY RESPONSE PLAN FOR DRILLING RIGS

ARMCUE-1	NG- 2000-4	EV-2000- 3
E-1400- 4	NG- 1500-6	EV-2000- 4
E-1400- 6	M- 4900	EV-2000- 5
E-1400-13	M- 6100	E- 3000-1

Calendar Year – 2025

BASED ON DISASTER MANAGEMENT PLAN

Date	Doc. No.	Issue No.	Rev. No.	Prepared by :-	Checked by:-	Reviewed by :-	Approved by :-
08.04.2025	SBS.DS.Q HSE.ERP	09	00	 08/04/2025 S. A. Rahman D.G.M. (D) HSE - DS, ONGC SIVASAGAR JLC	 08/04/2025 S. KARUNANITHI General Manager (D) EE - DS, SVS, AA	 08-04-2025 MANOJ KUMAR GUPTA CGM (D) - IMDS ONGC, Assam Asset	 08/04/2025 GIRINDRA DEBA CGM - HDS ONGC, Assam Asset





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Content

1. Introduction
2. Objective
3. Scope
4. Brief Description of Rig
5. Operational Area Map
6. Lay out of Rig (General)
7. Brief Description of the Drilling process.
8. Process Hazard and the control measures.
9. Overall Risk pictures of the Rig.
10. Description of the Emergency Scenarios based on Risk Analysis –
 - Kick
 - Fire
 - Leakage of HSD from Storage Tank
 - Chemical Emergencies.
 - Electrical Shock.
 - Snake Bites Treatment.
 - Earthquake.
 - Flood.
 - Handling during Rig building / transportation
11. Emergency Alerting Procedure
12. Emergency Communication Flow chart (On-site)
13. Evacuation Plan and Assembly Point.
14. Roles & Responsibility of on-site Co-coordinator.
15. Procedure to affect Rescue and Evacuation.
16. Re-entry and resumption of work.
17. Procedure for All Clear Procedure.
18. First Aid :--
 - Cuts or Laceration Treatment.
 - Bees and Wasp Stings Treatment.
 - Broken bone Treatment.
 - Treatment for Burn.
 - Warning Signs of a Heart Attack.
 - Head Injury Treatment.



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INTRODUCTION:

LOCATION

The base office of Drilling Services, Sivasagar, Assam Asset is located at O.T. Complex, Sivasagar, Assam - 785640. It has presently 15 Rigs mainly operating in Geleky & Lakwa Drilling Oil Mines.

AIRPORT

Dibrugarh is about 90 kms & Jorhat is about 60 kms away from Sivasagar ONGC Complex.

RAILWAYS STATION

Sivasagar falls on Dibrugarh – Guwahati main line and is about 2 kms from ONGC office complex.

ROAD

Drilling Services office complex is situated on B.G. Road & approx. 4 Kms. away from National Highway – 37

BRIEF OF ONGC ASSAM ASSET

The Oil and Natural Gas Corporation, a pioneer in oil industry, started its exploration activities in and around Sivasagar city of Assam in the year 1957.

OBJECTIVE:

An Emergency Response Plan (ERP) is required to meet the requirements of Regulation 102 of Oil Mines Regulations, 2017 and OISD- GDN- 227. A well-constructed ERP could prevent a minor incident from becoming a disaster, save lives, prevent injuries, and minimise damage to property and the environment. The new plan represents an all-hazards approach that encompasses the multitude of possible crises - from natural disasters to acts of terrorism – that a rig might face. The plan describes how the Rig will respond to emergencies that would suddenly and significantly affect our organization. The plan includes the following:

- Save lives and protect the health and safety of the employee, responders, and recovery workers;
- Prevent an imminent incident, including acts of terrorism, from occurring;
- Protect and restore critical infrastructure and key resources;
- Conduct investigations to resolve the incident
- Protect property and mitigate damages and impacts to individuals, communities, and the environment;
- Specific procedures to respond to, mitigate and recover from emergencies;



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- The chain of command in an emergency within the organization and its links with local emergency response units;
- Defined roles and responsibilities for those assigned to respond in an emergency.

SCOPE:

The purpose of this Emergency Response Plan is to establish an organizational structure and procedures for response to major emergencies. It assigns the roles and responsibilities for the implementation of the Plan during an emergency following the incident command system model. This Plan has been prepared to address all types of emergencies in a coordinated and systematic manner. This Plan is designed to maximize human safety and preservation of property, minimize danger, restore normal operations of the Rig, and assure responsive communication to all appropriate parties. This plan envisions the cooperative efforts of many groups internal and external to the Rig.

BRIEF DESCRIPTION OF RIG:

The Rig was commissioned on Rig was manufactured byand having capacity ofTones and Mast height of

Brief of rig equipment as under: ---

Date of Commissioning	
Manufactured By	
Capacity of Rig	
Mast Height	
Rig Engine	
Draw Works	
Rotary Table	
Mud Pump	
Generator Engine	
BOP Accumulator	
BOP	

Safety Critical Equipment available at the installations is detailed below:

1. Twin Stop (Crown-O-Matic and Floor matic stop)
2. Driller console (Drill Watch)
3. Hook Load Indicator (Ton-mile (Tonne –Kms) indicator)
4. ELCB & relays
5. Emergency light & fixtures
6. Fire water pump
7. Mud Level Transmitter



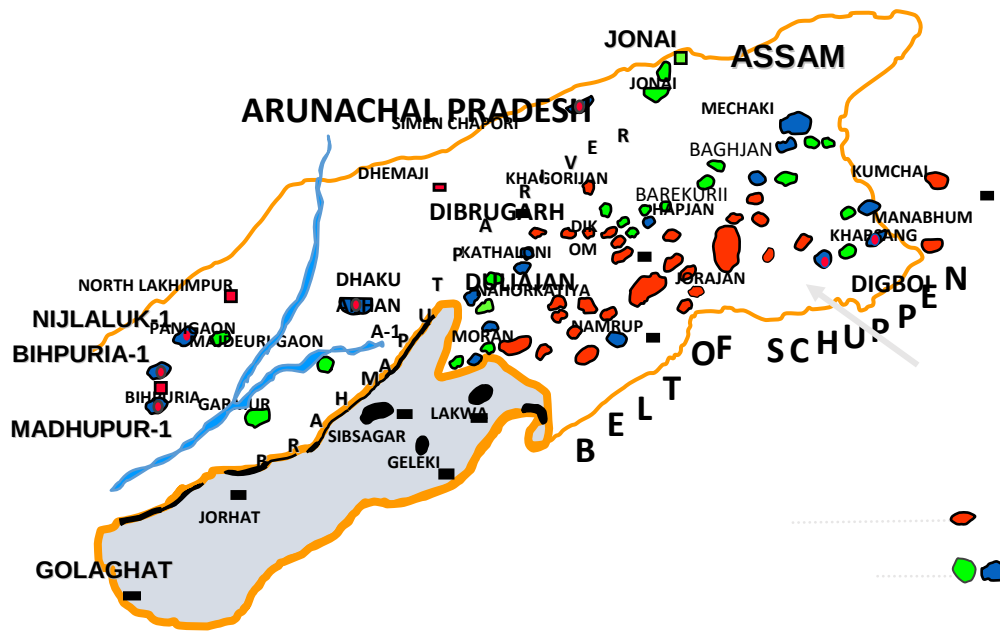
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8. Online Gas detector (HC & H₂S)
9. BOP & Control Panel
10. Pressure Safety Valve (PSV)
11. Pressure Switch
12. Top man Emergency Escape Device (TEED)
13. Bull Line, Casing Line
14. Communication equipment
15. Crown Block
16. Travelling Block & Swivel
17. Degasser
18. Fall prevention device
19. IBOP/ FOSV/ Stabbing Valve/Float valve
20. Mud Volume Totalizer
21. Portable Gas detectors (HC & H₂S)
22. Self-Contained Breathing Apparatus (SCBA)
23. Wind Sock
24. Aviation Lights.
25. Advanced instrumentation System
26. Rig Low Air Pressure Alarm
27. CCTV

OPERATIONAL AREA





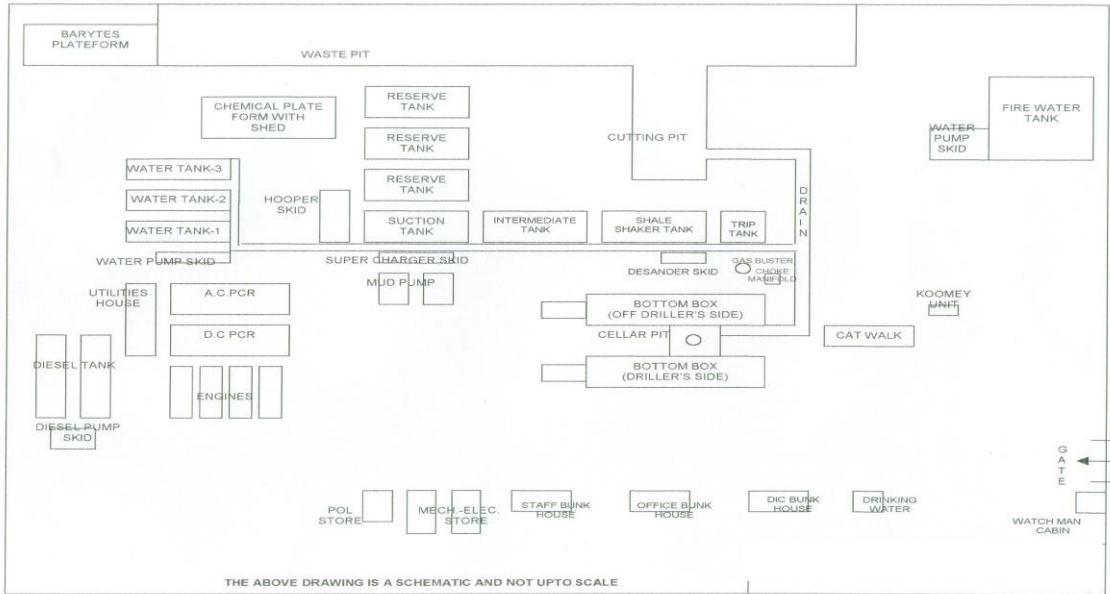
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LAYOUT OF THE RIG (GENERAL*)

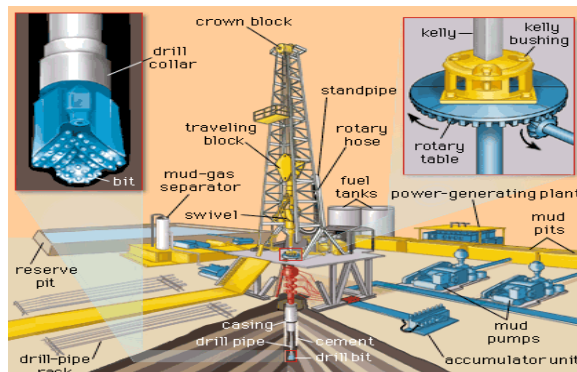
May change for site constraint.



BRIEF DESCRIPTION OF PROCESS

A drilling rig which rotates a drill pipe string with a bit attached makes a well/ hole normally 5 to 36 inches (127.0 mm to 914.4 mm) diameter into the earth in phased manner. Drilling mud which is a complex mixture of fluids, solids and chemicals required to safely drill the well, is pumped down the inside of the drill pipe and exits at the drill bit. The cuttings generated from rock failure as bit turns, are swept up by the drilling fluid as it circulates back to surface outside the drill pipe. The mud then goes through shale shakers which strain the cuttings from the fluid, which is returned to the pit. The pipe or drill string to which the bit is attached is gradually lengthened as the well gets deeper by screwing in additional approx. 30-foot (10 m) joints (i.e., sections) of pipe under the Kelly at the surface.

After the hole is drilled, sections of casing pipe, slightly smaller in diameter than the borehole, are lowered in the hole. Cement is pumped between the outside of the casing and the borehole. The casing provides structural integrity to the newly drilled Well bore in addition to isolating potentially dangerous high pressure zones from each other and from the surface.



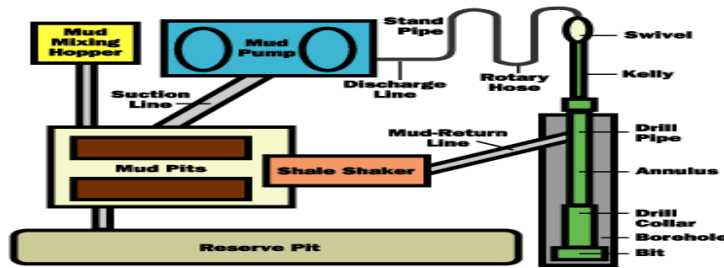


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PROCESS HAZARDS AND THE CONTROL MEASURE



Following are the process hazards and its control measures associated with Drilling:-

OVERALL RISK PICTURE OF THE RIG:-

- **FIRE:** - In drilling rig fire may break out at diesel tank, POL store, engine house, electrical panel, bunk house, wellhead, and shale shaker area if gas cut mud is circulated and welding & cutting.
- **BLOWOUT:** - Primary well control is by maintaining hydrostatic pressure in the wellbore at least equal to (preferably more than) the formation pressure to prevent the flow of formation fluids. During drilling and workover operations flow of formation fluids into the wellbore is considered as kick. If not controlled, a kick may result in a blowout.

DESCRIPTION OF THE EMERGENCY SCENARIOS BASED ON RISK ANALYSIS

ERP-1- Scenario -Fire

A: Ordinary combustible material fire like wood, paper, cloth etc., at Rig

Step 1 : In case of fire in ordinary combustible material fire like wood, paper, cloth etc. , shout “FIRE”, “FIRE”, “FIRE”, “AAG”, “AAG”, “AAG” or ring fire bell or raise siren who first notices the fire.

Step 2: Assemble at master point and count head.

Step 3: Shift In charge or DIC will take the command of onsite coordinator.

Step 4: Onsite coordinator will send one person to inform nearby fire station and base office control room and will instruct driver of emergency vehicle/ ambulance to keep ready near safe distance of affected location.

Step 5: Cut off electrical supply of the affected location.

Step 6: Apply suitable portable fire extinguisher and try to put off fire at initial stage.

Step 7 : One person from mechanical and one person from electrical section should report to fire water pump area and start fire water pump.



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Step 8 : If fire could not be controlled with the portable fire extinguisher, connect fire hose to fire pump and apply water with the help of fire nozzle.

Step 9 : Assist the Fire crew if they arrive the location.

Process Hazards	Present Control Mechanism
Fire due to Blow Out and Cutting Welding	Portable Fire Extinguisher at strategic location. Mock drill for preparedness. Fire Fighting Training to employee Monitoring of HC level Work permit system
Uncontrolled flow from well head / blow out in wells due to self-activity	BOP system, Flow meter, Trained Crew. Blow out control plan in place

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on type of fire and number of crew available at the time of incident

B: Fire in Well Head (after blowout) of the Rig

Step 1 : In case of fire in flammable liquids/gas, shout "FIRE", "FIRE", "FIRE", "AAG", "AAG", "AAG" or ring fire bell or raise siren who first notices the fire.

Step 2: Assemble at master point and count head.

Step 3: Shift In charge or DIC will take the command of onsite coordinator.

Step 4: Onsite coordinator will send one person to inform nearby fire station and base office control room and will instruct driver of emergency vehicle/ ambulance to keep ready near safe distance of affected location.

Step 5: Nearby source of ignition should be cut off immediately (like stoppage of hot jobs such as cutting, welding, engine running, switching on/off electricity, etc.)

Step 6: Cut off electrical supply of the affected location

Step 7: Connect hose to fire pump and apply water continuously on affected area till arrival of fire tender and other resources.

Step 8: Monitor gas concentration

Step 9: Assist to Fire crew for water connection etc.

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on type of fire and number of crew available at the time of incident.



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C: Fire in HSD storage tank

Step 1 : In case of fire in flammable liquid storage tank, shout “FIRE”, “FIRE”, “FIRE”, “AAG”, “AAG”, “AAG” or ring fire bell or raise siren who first notices the fire.

Step 2: Assemble at master point and count head.

Step 3: Shift In charge or DIC will take the command of onsite coordinator.

Step 4: Onsite coordinator will send one person to inform nearby fire station and base office control room and will instruct driver of emergency vehicle/ ambulance to keep ready near safe distance.

Step 5 : One person from mechanical and one person from electrical section should report to fire water pump house area and start fire water pump.

Step 6 : Attempt to cool unaffected tank.

Step 7: Assist fire personnel for firefighting.

Step 8: If spillage occurs, try to contain in restricted area.

Step 9: Entry at main gate should be restricted.

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on type of fire and number of crew available at the time of incident

D: Fire in Cluster Well

Step 1 : In case of fire in flammable liquids/gas, shout “FIRE”, “FIRE”, “FIRE”, “AAG”, “AAG”, “AAG” or ring fire bell or raise siren who first notices the fire.

Step 2: Stop all the work activity and assemble at master point and count head.

Step 3: Shift In charge or DIC will take the command of onsite coordinator as well as have to informed the concern GGS Emergency personals as displayed near the cluster well.

Step 4: The responsible person or Shift In charge will try to close the valve as displayed on the flow chart displayed near the cluster well to extinguish the fire or prevent the spread of Fire with taking all the precaution concern.

Step 5: Onsite coordinator will send one person to inform nearby fire station and base office control room and will instruct driver of emergency vehicle/ ambulance to keep ready near safe distance of affected location.

Step 6: Cut off electrical supply of the affected location.

Step 7: In case of Minor fire a 20 kg DCP should be used to extinguish fire which is kept near the Cluster well as per our SIMOPS.

Step 8: In case of Major fire, Connect hose to fire pump and apply water with foam continuously on affected point till arrival of fire tender and other resources.

Step 9: Monitor gas concentration

Step 10: Assist to Fire crew for water connection etc.



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The method of operation of portable firefighting equipment and its location are given below.

METHOD OF OPERATION OF PORTABLE FIRE EXTINGUISHER:

i) DCP 75 KG / 50 KG/ 22 KG

- a) Push the extinguisher up to 7-8 ft. distances from fire.
- b) Uncoil the discharge hose.
- c) Remove the safety pin & open the valve of DCP cylinder fully.
- d) Press the squeeze grip or open the discharge valve and apply the powder in sweeping action at the base of fire.
- e) The powder shall be applied in downward direction.

ii) DCP FIRE EXTINGUISHER 10 KG/ 5 KG

- a) Carry the Extinguisher near the fire.
- b) Remove the safety clip & hit the plunger with hard object.
- c) Direct the discharge tube toward the base of fire and apply it in sweeping action by pressing the squeeze grip handle.

iii) CO₂ FIRE EXTINGUISHER:

- a) Carry the extinguisher near to the fire.
- b) Hold the discharge horn from it handle.
- c) Remove the safety pin and open the discharge valve fully.
- d) Apply the CO₂ by moving horn in sweeping action towards the base of fire

Note: Do not be afraid of whizzing sound.

iv) CHEMICAL FOAM EXTINGUISHER:

- a) Carry the extinguisher near the fire.
- b) Lift the 'T' shape handle and put it in the groove in locking position.
- c) Lift the extinguisher and rotate it up & down to facilitate the mixing of chemicals.
- d) Hold the extinguisher in inverted position (Cap facing the bottom)
- e) Direct the nozzle toward the vertical support near the fire.
- f) Hitting the foam jet toward vertical surface will facilitate the spread of foam layer over burning liquid.



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FIRST AID FIRE FIGHTING EQUIPMENT AT DRILLING RIG (AS PER OISD-STD-189)

Sl. No.	Type of Area	Fire Extinguishers
1	Derrick/Rig Floor	2 Nos. 10 Kg DCP extinguishers
2	Engine Area	1 No. 10 Kg DCP extinguisher per engine.
3	Mud Preparation Pump Area	1 No. 6.8 Kg CO2 extinguisher/ 1 No. 10 Kg DCP extinguisher
4	Mud Gunning Pump Area	1 No. 6.8 Kg CO2 extinguisher/ 1 No. 10 Kg DCP extinguisher
5	Electrical Control Room	2 Nos. 6.8 Kg CO2 extinguishers.
6	Diesel Generator House	2 Nos. 10 Kg DCP and 1 No. 6.8 Kg CO2 extinguishers and 1/2 sand drum with SCOOP.
7	Mud Mixing Tank Area and Chemical Laboratory	1 No. 10 Kg DCP extinguisher each
8	Diesel Storage Area	2 No. 25 Kg trolley mounted and 2 Nos. 10 Kg DCP extinguishers and 1/2 sand drum with scoop.
9	Lube Storage Area	1 No. 10 Kg DCP extinguisher and 1/2 sand drum with scoop.
10	Air Compressor Area	1 No. 10 Kg DCP extinguisher per compressor.
11	Fire Pump Area	1 No. 10 Kg DCP extinguisher for every two pumps or minimum 2 Nos. 10 Kg DCP extinguisher for each Pump House whichever is higher.
12	DIC Office, bunk house area	1 No. fire extinguisher shed with 3 No. 10 kg DCP and 3 NO. 6.8 Kg CO2 extinguisher and 1/2 sand drum with scoop. 1 No. fire bell

ERP NO-2: KICK

A. CLOSING OF WELL (WHILE DRILLING)

Step 1: Stop rotary.

Step 2: Pick up Kelly to clear tool joint above Rotary table.

Step 3: Stop mud pumps & super charger

Step 4: Check for self-flow, if +ve.

Step 5: Open HCR (Hydraulic Control Valve) on choke line or open manual valve (If HCR valve is not there) when choke is in fully closed position.

Step 6: Close BOP (Preferably Annular Preventer).

Step 7: Record stabilized pressure, SIDPP (Shut In Drill Pipe Pressure), SICP (Shut In Casing Pressure), Pit gain.



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Step 8: Shift In charge or DIC will take the command of onsite coordinator.

Step 9: Onsite coordinator will send one person to inform base office control room

If kick out of Control, go to Step 10 onwards

Step 10: Evacuate all personnel to safe place.

Step 11: Switch off engines and generators.

Step 12: Remove and secure all well records.

Step 13: Avoid and extinguish all naked flames / sparks.

Step 14: Pull out all inflammable material i.e. HSD, Petrol, and Gas cylinders, Chemicals etc., from well premises.

Step 15: Pull out all possible equipment to safe distance.

Step 16: Start spraying water on well mouth to keep it cool.

Step 17: Cordon off the area and do not allow entry of any unauthorized person. Allow only the persons directly involved in operations to go near blow out well and maintain record of such persons.

Step 18: Intimate Base control room immediately for help and for immediate requirement of men and material.

Step 19: Keep in touch with control room for update, feedback and instructions from base.

Step 20: Assign responsibilities to the concerned persons to control the situation.

Step 21: Evacuate all equipment and material to safe distance/place, if required.

Step 22: Conveys the following information to Fire and Safety coordinators, Control Room and CEC

- Well condition. Time when observed.
- Position of drill string / tubing in the well.
- Last tubing and annulus pressure recorded.
- Number, Name and Designation of persons at site, measures initiated to meet the situation, details of injury / casualty, if any.
- Any special requirement of back up services. Technical / Administrative / Medical / other Logistic support.

Step 23: Follow SOP given in DMP (Chapter 2)



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WHILE TRIPPING:

- Step 1: Position tool joint above Rotary Table & set pipe in slip.
- Step 2: Install FOSV (Fully Open Safety Valve) in open position on D/P (Drill Pipe) and close it
- Step 3: Open HCR valve/manual valve when choke is fully closed.
- Step 4: Close BOP (Preferably Annular Preventer)
- Step 5: Make up Kelly & Open FOSV (Fully Open Safety Valve)
- Step 6: Record SIDPP, SICP & Pit gain.
- Step 7: Shift In charge or DIC will take the command of onsite coordinator.
- Step 8: Onsite coordinator will send one person to inform base office control room
- If kick out of Control, go to Step 9 onwards
- Step 9: Evacuate all personnel to safe place.
- Step 10: Switch off engines and generators.
- Step 11: Remove and secure all well records.
- Step 12: Avoid and extinguish all naked flames / sparks.
- Step 13: Pull out all inflammable material i.e. HSD, Petrol, and Gas cylinders, Chemicals etc., from well premises.
- Step 14: Pull out all possible equipment to safe distance.
- Step 15: Start spraying water on well mouth to keep it cool.
- Step 16: Cordon off the area and do not allow entry of any unauthorized person. Allow only the persons directly involved in operations to go near blow out well and maintain record of such persons.
- Step 17: Intimate Base control room immediately for help and for immediate requirement of men and material.
- Step 18: Keep in touch with control room for update, feedback and instructions from base.
- Step 19: Assign responsibilities to the concerned persons to control the situation.
- Step 20: Evacuate all equipment and material to safe distance/place, if required.
- Step 21: Conveys the following information to Fire and Safety coordinators, Control Room and CEC



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- Well condition. Time when observed.
 - Position of drill string / tubing in the well.
 - Last tubing and annulus pressure recorded.
 - Number, Name and Designation of persons at site, measures initiated to meet the situation, details of injury / casualty, if any.
 - Any special requirement of back up services. Technical / Administrative / Medical / other Logistic support.
-
- Step 22: Follow SOP given in DMP(Chapter 2)

POSITIONING OF CREW:

After hearing alarm, crew will be positioned as follows:

Shift In charge	On the brake and Communication room after handing over the brake to assist shift In charge.
Assistant Shift-in-charge	Assist Shift-in-charge, shall be ready to handle brake
Topman (1)	At choke manifold
Topman (2)	At pumps
Rigman	At standpipe manifold and on derrick floor, keeping in touch with Shift-in-charge
Rig mechanic/ Mechanical In-charge	Near the Engines awaiting directives from Shift-in-charge.
Pump fitter	At pumps.
Electrician	Near BOP control unit.
Contractual worker	Near mud tanks
Mud Chemist	On shale shaker tank
Geologist, if present	At flow line / mud logging unit.

ERP-3- Scenario -Leakage of HSD from Storage Tank

Step 1 : Raise alarm who first notices the leakage.

Step 2: Assemble at master point.

Step 3: Shift In charge or DIC will take the command of onsite coordinator.

Step 4: Inform base office control room.

Step 5: Restrict the oil spillage as far as possible.

Step 6: Apply DCP on spread oil



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Step-7: Keep water hose ready

Step 8: Repair the leakage after proper cleaning the area and issuance of work permit.

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on severity of the incident and number of crew available at the time of incident

ERP-4- Scenario-Chemical Emergencies

Step 1 : In case of chemical emergency raise alarm who first notices.

Step 2: Assemble at master point and count head.

Step 3: Shift In charge or DIC will take the command of onsite coordinator.

Step 4: Onsite coordinator will send one person to inform I/C Medical Services & Call for doctors if any suffers.

Step 5: Wear personal protective device to rescue victim.

Step 6: Give first aid as per Material Safety Data Sheet (MSDS) of particular chemical. If requires send victim to hospital.

Step 7: In case of fire, use appropriate fire extinguisher mentioned in MSDS.

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on severity of the incident and number of crew available at the time of incident

ERP-5- Scenario- Electrical shock

Step 1: Alert crew members by ringing the alarm bell/siren.

Step 2: Assemble at master point.

Step 3: Onsite coordinator will send one person to inform I/C Medical Services and Call for doctors giving full details about the incident and location for immediate medical help

Step 4: Onsite coordinator will send first aid trained person available in shift to rush to the location.

Step 5: Rescue the victim after isolation of electric source. If electric isolation is not possible, move away the victim by using a non-conducting object made of cardboard, plastic or wood.

Step 6: Once the person is free of the source of electricity, check the person's breathing and pulse. If either has stopped or seems dangerously slow or shallow, begin cardiopulmonary resuscitation (CPR) immediately. Follow steps to be taken as per "Electrical shock treatment chart".

Step 7: If the person is faint or pale or shows other signs of shock, lay the person down with the head slightly lower than the trunk of his or her body and the legs elevated.



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Step 8: If the person is breathing, cover any burned areas with a sterile gauze bandage, if available, or a clean cloth. Don't use a blanket or towel. Fluffy fibers can be irritating.

Step 9: Refer medical evacuation procedure for shifting patient to health centre.

Step 10: Before resumption of routine jobs, the cause of the incident should be removed / rectified

Remark: Onsite coordinator may take decision to assign the duty to the crew depending on severity of the incident and number of crew available at the time of incident

ERP-6- Scenario- Snake Bites Treatment

Step 1: On notice of snake bite, bring victim to safer place.

Step 2: Inform Shift In charge or DIC and first aid trained person available in shift will rush to the location.

Step 3: Inform I/C Medical Services or Call for doctors giving full details about the incident and location for immediate medical help

Step 4: Wash the bite with soap and water.

Step 5: Immobilize the bitten area and keep it lower than the heart.

Step 6: Cover the area with a clean, cool compress or a moist dressing to minimize swelling and discomfort.

Step 7: Monitor vital signs.

Step 8: Wrap tourniquet two to four inches above the bite, to help slow the venom. This should not cut off the flow of blood from a vein or artery - the band should be loose enough to slip a finger under it.

Step9: A suction device can be placed over the bite to help draw venom out of the wound without making cuts.

Step 10: Refer medical evacuation procedure for shifting patient to health centre.

ERP-7- Scenario-Earthquake

Step 1: Raise siren

Step 2 : Follow emergency shut down procedure of the plant.

Step 3 : Evacuate all personnel to nearest safe assembly point having open space.
(Away from taller structures)

Step 4 : Count head to ensure that everyone has evacuated safely.

Step 5: Search and rescue of remaining as per instruction of On-site Coordinator.

Step 6: Inspect all equipment thoroughly before starting of operation.

ERP-8- Scenario-Flood

Step 1 : Shift In charge or DIC will take the command of onsite coordinator

Step 2 : Take safe shutdown of the Rig. (After clearance from HDS)

Step 3 : Stop all engines

Step 4: Disconnect electrical motors which are at lower most position and shift to safe Position.

Step 5: Shift the important documents and communication equipment (telephones, Wireless set etc.) to safe place.

Step 6: Evacuate all personnel to safe location.

Step 7 : Count Head to ensure that everyone has evacuated safely



DRILLING SERVICES

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ERP-9- Emergency handling during Rig Transportation/ Rig Building/Rig Dismantling operation (work at height, fall of an object etc.)

- Step 1: Safe Operating Practices, Pre-job safety meetings, Awareness to crane crew
- Step 2: .Instruct employees to stand clear and keep hands and other body parts away from pinch points. Use of Impact Resistance Hand Gloves
- Step: 3 Usage of proper PPE. Good housekeeping. Permit to Work.
- Step: 4: Do soft barricade to the area while doing any lifting/ shifting operation by Mobile Crane.
- Step 5: Conduct an ERP drill during Rig building operation as mentioned in the checklist.
- Step 6: Refer Risk Register and JSA to overcome hazard associated with these jobs.



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SCHEDULE OF ERP DRILLS

As per observation raised by regulatory body following schedule of ERP drills are to be performed by every Drilling Rigs as per the schedule and record of the same to be maintained in SAP henceforth.

(Module: - **ZHSEEVENT**) Doc. No. for the year **2023** is- **1222**

SL. NO	DRILL SCENARIO		SCHEDULE
			EVEN or ODD HOURS
ERP 1	FIRE	Ordinary Combustible Material	Monthly (any one of the three)
		At Well Head	
		At HSD Storage Tank	
ERP 2	BOP DRILL 1. Pit Drill. 2. Trip Drill.	Pit Drill (On Bottom)	Weekly (any one of the four) As per OISD-RP-174
		Trip Drill (Drill Pipe in BOP)	
		Trip Drill (Drill Collar in BOP)	
		Trip Drill (String is out of hole)	
ERP 3	Leakage of HSD from Storage Tank		Quarterly
ERP 4	Chemical Emergency		Quarterly
ERP 5	Electrical Shock		Quarterly
ERP 6	Snake Bite Treatment		Quarterly
ERP 7	Earthquake		Quarterly
ERP 8	Flood		Quarterly
ERP 9	Handling during Rig building / transportation		Quarterly

Above mentioned ERP Drills should be performed simultaneously in **EVEN HOURS** and **ODD HOURS** covering all the four shifts.



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Emergency Alerting Procedures

A. First Alert

After a serious incident, person who first notices the incident will raise an alarm by shouting/ siren/bell and pass information to the Base Office Control Room after following certain initial procedures.

B. Second Alert

After an initial assessment of the situation at site which requires additional responses in terms of authority and resources raise 2nd Alert. It includes passing information to higher authorities, requisitioning and deploying additional help that is necessary to prevent further escalation of the event. It may involve evacuating people to safer places, shifting of essential materials from nearby area, isolation of power supply etc.

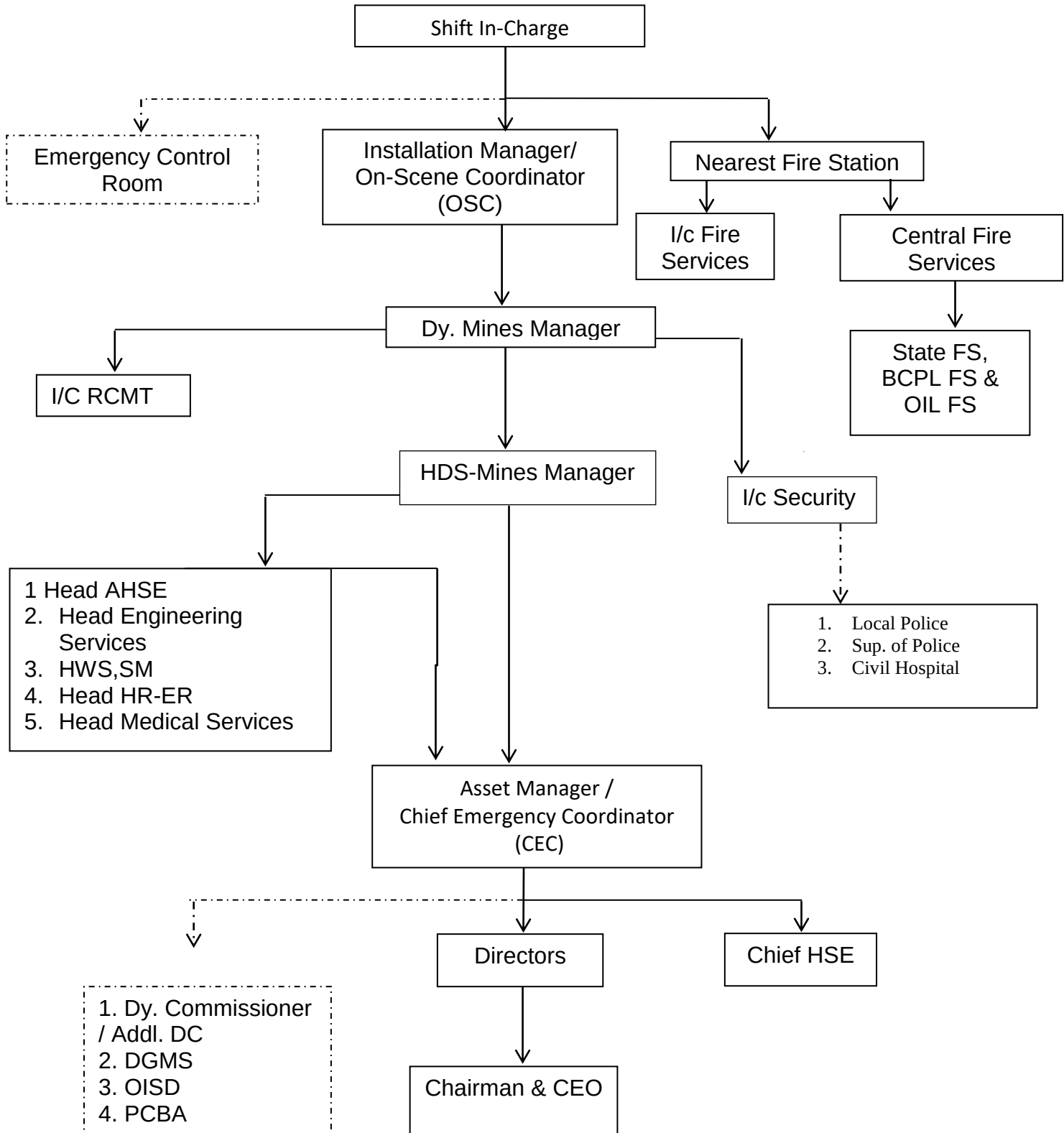


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EMERGENCY COMMUNICATION FLOW CHART (ON-SITE)



Note: Emergency Control Room will be functional within 6 hours of incident.



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Evacuation Plan, Routes and Assembly Points

Step 1: Fill the hole and Close the wells for safety.

Step 2: Stop all engines

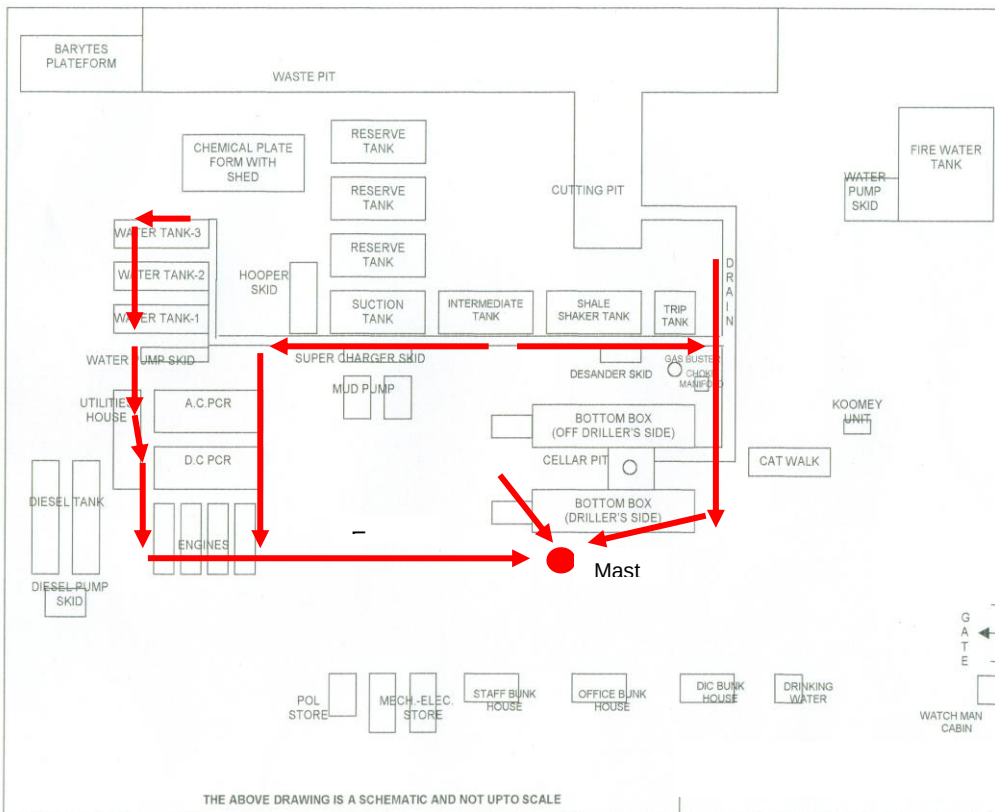
Step 3: Keep important document like equipment manuals, records etc. at safer place.

Step 4: Display warning signs at entry point(s).

Step 5: If requires, inform nearby villagers to evacuate the area.

Muster Point or Assembly Point

Muster Station / Assembly Point is located in front of DIC bunk house. In Case of any emergency events, all duty persons, visitors and contractual persons should report to Muster Station/Assembly point for further course of action as decided by On-site Coordinator.





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Roles and Responsibility of On-site Coordinators, Key personnel of the Rig:

On-site Coordinator-OSC (DIC/Shift-In charge)

- (i) Takes the charge of situation immediately before other senior officers of the Asset reach the site and take over from him.
- (ii) Informs Area Manager, Fire Coordinator directly or inform Base Office Control room to inform all concerned.
- (iii) Executes relevant ERPs.
- (iv) Seeks assistance from nearby Rig or installation for communication in case the communication is lost due to disaster.
- (v) In case of fire, commands the firefighting appliances & firefighting operation till fire officer/ assistance reaches on the scene and takes control.

Drilling Officials:

- (i) Try to close the well safely and to remove inflammable material as per situation.
- (ii) Remove important documents to a safer place.
- (iii) The first aid trained persons should be ready to give first aid to the injured persons and move them to the hospital if required.

Electrical Officials:

- (i) No naked flame should be allowed.
- (ii) Generator should be stopped if it is danger zone.
- (iii) Start fire water pump.(In case of fire or need cooling of equipment)
- (iv) Electrical lines are required to be de-energized at affected location.
- (v) Ensure that uninterrupted supply of water from tube well to the fire services.

Mechanical Officials:

- (i) Start engine driven fire water pump (In case of fire or need cooling of equipment)
- (ii) Get the instruction from the Shift In charge to act accordingly to stop the equipment and ready to carry out repair jobs if required like pump problems of fire services etc.
- (iii) Help Drilling officials in removing inflammable materials.

Transport Officials:

- (i) The driver must see that all vehicles are parked at a safer distance.
- (ii) See that approach road is clear for fire services vehicle to the approach the accident site.



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Security at Gate:

- (i) To prevent unauthorized entry of persons / vehicles inside the area of responsibility and also to ensure no abnormal activity by unauthorized persons is allowed.
- (ii) Overall security in the area concerned is the responsibility of Security as per manning system
- (iii) Register to be maintained for persons present.

Fire Officials:

- (i) On arrival they fight fire with the assistance of site staff in extinguishing the fire.
- (ii) If the situation still proves to be beyond control, then the help from the nearest agencies could be taken.
- (iii) If requires, Outer fire agencies shall be actively assisted and guided by the asset fire services in overcoming the situation.

11. Details of the proposed actions to be taken in case the emergency extends to outside the premises.

In case the emergency extends to outside the premises, execute Assam Asset Disaster Plan.

12. Procedures to affect rescue and evacuation and to account for the injured and casualties

For smooth completion of the evacuation process, the responsibilities are divided into the following key personnel.

DIC

- a) Will determine in consultation with the first-aider/ Doctor that the situation is serious enough to warrant a Medical Evacuation especially during night hours.
- b) Will ensure that adequate first aid is provided to the patient and will designate responsibilities to key persons.
- c) Will communicate with the Base Manager and the ambulance incharge to identify self, patient, location of incident, nature of illness/ injury to ensure preparedness for initiating evacuation.
- d) Shall assist the ambulance crew and doctor as required once the ambulance arrives to evacuate the patient.

Shift In charge

- a) Will ensure that the patient reaches the Approved Medical Center and will be responsible for relaying information.
- b) Will keep Rig In charge and Base Manager informed about arrival and departure times of the ambulance.
- c) Will Liaison with the nearby installation/Rig to arrange for alternative transport to ensure speedier evacuation of the patient



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First Aider / Doctor

- a) Will provide the information concerning the condition of the patient and the nature of the injuries to the ambulance attendant and to the approved medical centre. After first-aid the victim must be taken to the nearest hospital / Doctor along with the relevant information about the accident/ illness of the victim.

The information should include, but not limited to:

- Full Name, designation, age, address of the patient(s) and family contact details.
- Details of the accident or symptoms exhibited by the sick or injured person.
- First aid/ treatment administered on the Rig.
- Patient's blood group.
- Known allergies (asthma, medications etc.)
- Special Medical Considerations (hypertension, diabetes etc..)

(Note: The above information can also be provided by giving a copy of PME report available at Rig)

- b) Based on the nature of the injury/illness, the first-aid/Doctor shall ensure that necessary medical equipment and facility is made available on the ambulance during transit from the Rig to the Approved Medical Centre. He should also ensure that the patient is safely transferred and secured in the ambulance.
- c) Based on the condition of the patient and strength of the ambulance crew, the First Aider/Doctor will recommend to the DIC whether a first aid qualified attendant to travel with the patient.

Area Manager / Head Drilling Services

- a) Will receive information from the DIC and will notify the Ambulance In charge, Approved Medical Centre, family of the patient and his superiors.
- b) Will authorize the Ambulance In charge to dispatch an ambulance to the Rig in question and will inform the DIC about the ETA (Expected Time of Arrival) of the ambulance at the Rig.
- c) He shall coordinate with all concerned parties to ensure that the patient is transported to the **Approved Medical Center (AMC)** with minimum delay.
- d) Will Liaise with the nearby Police Station to notify them of the accident as per local law.
- e) Will Liaise with the Base Doctor/ First Aider to ensure that the Approved Medical Centre is prepared to receive and treat the patient.
- f) Will designate the Base Doctor to be present at the AMC to ensure that the patient's treatment is expedited and will inform the DIC as and when the patient has been admitted/treated at the AMC.



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13. Procedures for ‘All Clear’ proclamation.

Once the emergency has been brought under control, and due assessment of the situation of the Rig and equipment made, notification of all clear of emergency will be issued to On-scene Coordinator (OSC) by Head Drilling Services-Mines Manager (in consultation with Asset Manager)-Chief Emergency Coordinator (if situation demands).

14. Re-entry and resumption of work procedures

When emergency conditions have been stabilized and control has been returned to the Rig, recovery operations will be initiated. Appropriate announcements of the resumption of Rig operations will be issued by Head Drilling Services-Mines Manager (in consultation with Asset Manager/ Chief Emergency Coordinator). If Rig facilities have been affected, prior to resume operation, an Investigation Team constituted by Asset Manager-Chief Emergency Coordinator/ Head Drilling Services-Mines Manager will conduct an inspection. The team will also determine the need for specialized cleanup, as in the case of a hazardous materials release or spill, fire, flood, etc. The team will also be responsible for sampling, testing, and inspecting the emergency site and any affected areas to ensure safe operation. Repairs, where necessary, will begin as soon as legally permitted but not before the investigation team agrees that such repairs will not interfere with the gathering of pertinent information.

15. Chief emergency coordinator (CEC)

Asset Manager will be the **Chief Emergency Coordinator** and will exercise control through Emergency Control Room. He will keep record of messages and decisions taken to control the emergency. He will also appraise to senior management of ONGC from time to time on steps taken to control the situation and status of emergency.



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MESSAGE - I

Name of Unit :

Nature of Incident / Emergency :

Date & Time of Incident :

Cause of Emergency :

Location of Emergency :

Extent of Damage, If Any :

No. of Persons Who Were Working
In The Unit at the Time of
Emergency :

No. of Persons Who Were Working
At The Location of Emergency :

No. of Persons Injured :

No. of Persons Dead :

Actions Taken At the Unit :

Actions & Assistance Required From:

Any other Information :

Shift In charge/IM (Onsite coordinator)



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MESSAGE - II

Emergency scenario _____ developed
at _____ of Rig _____ at _____ on
_____ action as per ERP has been initiated but situation is beyond
control.

Kindly activate Disaster Response Plan

Shift In charge/IM (Onsite coordinator)



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ANNEXURE



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FIRST AID

CUTS OR LACERATIONS TREATMENT

- Most bleeding can be stopped with direct pressure and time (rest and elevation are also helpful).
- Cleaning with a gentle soap and water helps to reduce the chance of bacterial infection.
- Antibiotic ointment and a sterile gauze bandage will help to protect the wound from further infection and water loss until a scab forms.

BEEES AND WASP STINGS TREATMENT

Although most stings can be treated at home, some will require more medical care.

- Go to a hospital's emergency department if a large localized reaction (greater than about 10 inches in diameter) occurs, evidence of infection (increasing pain, swelling, redness, and drainage of pus or fever) is present at the sting site, or any symptoms last for more than a day or 2.
- If it has been more than 10 years since your last tetanus booster, contact your doctor about getting a tetanus immunization.

BROKEN BONE TREATMENT

- Monitor for shock, breathing and pulse.
- Have the victim lie flat.
- Elevate the victim's feet 8 to 12 inches.
- Cover the victim with a blanket or other item to keep him warm.
- Remove clothing covering the wound. Cut clothing away or rip at seams, if necessary.
- To protect yourself against possible disease.
- Use many layers of gauze pads to apply direct pressure to the wound to stop the bleeding.
- Cover the wounded area with a clean cloth or dressing.
- Continue to apply pressure as long as the wound bleeds. Add new dressings over existing ones.
- For a broken arm, make a sling out of a triangular piece of cloth. Place the forearm in it and tie the ends around the neck so the arm is resting at a 90° angle.
- Check the pulse in the limb with the splint. If you cannot find it, the splint is too tight and must be loosened at once.
- Check for swelling, numbness, tingling or a blue tinge to the skin. Any of these signs indicate the splint is too tight and must be loosened right away to prevent permanent injury



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- Do not try to set a broken bone yourself or try to push a protruding bone back under the skin.
- Immobilize the injured limb
- Apply ice to the injured area to help reduce swelling and inflammation, unless there is an open wound.

TREATMENT FOR BURN

For First Degree Burns:

- Cool the area right away. Place the affected area in a container of cold water or under cold running water. Do this for at least 5 - 10 minutes or until the pain is relieved. This will also reduce the amount of skin damage. (If the affected area is dirty, gently wash it with soapy water first.)
- Do not apply ice or cold water for too long a time. This may result in complete numbness leading to frostbite.
- Keep the area uncovered and elevated, if possible. Apply a dry dressing, if necessary.
- Do not use butter or other ointments (Example: Vaseline).
- Avoid using local anesthetic sprays and creams. They can slow healing and may lead to allergic reactions in some people.
- Call your doctor if after 2 days you show signs of infection (fever of 101 degrees F or higher, chills, increased redness, swelling, or pus in the infected area) or if the affected area is still painful.

For Second Degree Burns (that are not extensive and less than 3" in diameter):

- Immerse the affected area in cold (not ice) water until the pain subsides.
- Dip clean cloths in cold water, wring them out and apply them over and over again to the burned area for as long as an hour. Blot the area dry. Do not rub.
- Do not break any blisters that have formed.
- Avoid applying antiseptic sprays, ointments, and creams.
- Once dried, dress the area with a single layer of loose gauze that does not stick to the skin. Hold in place with bandage tape that is placed well away from the burned area.
- Change the dressing the next day and every two days after that.
- Prop the burnt area higher than the rest of the body, if possible.

Call your doctor if there are signs of infection (fever of 101 degrees F or higher, chills, increased redness and swelling, and pus) or if the burn shows no sign of improvement after 2 days.



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WARNIG SIGNS OF A HEART ATTACK:

In some, but not all, cases, the body will send warning signs that indicate a heart attack. These include:

- Uncomfortable pressure, fullness, squeezing, pain, or discomfort in the center of the chest that lasts for more than two minutes. This pain may be persistent, or may go away and return.
- Pain or discomfort that spreads to the shoulders, neck, or arms
- Pain, sweating, nausea, or shortness of breath.
- Any chest discomfort that causes anxiety or concern
- Any chest discomfort that is accompanied by lightheadedness, fainting, or dizziness
- Any of the above symptoms that disappear with rest, then return with exertion
- Unexplained weakness or fatigue
- Palpitations, cold sweat, or paleness

Pain that lasts for 10 to 15 minutes while you are resting should also be evaluated immediately. If you, or someone you know exhibits any of the above warning signs, act immediately.

HEAD INJURY TREATMENT

- Apply an ice pack to the injured area to reduce swelling or bruising. Change it every 15 to 20 minutes for an hour or two. Do not put ice directly on the skin. To make an ice pack:
 - Put ice cubes into a plastic bag with a little cold water and seal it. Wrap it in a clean towel and apply to the bump or bruise.
- Cover an open cut with gauze and first aid tape or a band-aid.
- Take only clear liquids until vomiting has stopped for six hours.
- Resume normal activities once you know there is no serious head injury.



DRILLING SERVICES

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TELEPHONE NOS. OF KEY PERSONS

Sl. No	NAME	DESIGNATION	OFFICE		RESIDENCE		MOBILE
			BSNL	EPABX	BSNL	EPA BX	
1.	SH. BHASKAR CHOWDARY NETTEM	ED-Asset Manager	252345	41600	252027	42926	7086011715
2.	SH. AMIT KUMAR MUKHOPADHYAY	GGM, Surface Manager	252345	41600	252027	42926	9428330807
3.	SH. PAWAN KUMAR JALUTHARIA	GGM -HES		45035			9428331146
4.	SH.G.DEKA	GGM - HDS	222367	45407			9435718057
5.	SH. RIZWANA NAQVI	GGM (HR), Head HR-ER	252115	41008	252099	42202	9410397461
6.	SH. JAYANTA MUKHOPADHYAY	GGM (P), Head Well Services	222435	45600			8291281566
7.	SH. RANJAN K. DEORI	CGM (P)-Head HSE	245881	45798			9435715248
8.	SH. JAI PRAKASH	DGM (I/c Fire)	222781	45854			9428007210

KEY PERSONNEL OF DRILLING SERVICES, ASSAM

Sl. No.	Name	Designation	Mobile No.
	Shri		
1	GIRINDRA DEKA	GGM (D)- HDS –Mines Manager.	9435718057
2	MANOJ KUMAR GUPTA	CGM(D)- LMDS- Dy. Mines Manager	9428330152
3	B JAIKUMAR	CGM(D)- LMDS- Dy. Mines Manager	9442500788
4	DIGANTA CHAWLU	GM(D)- LMDS- Dy. Mines Manager	9435716848
5	S KARUNANITHI	GM(D) – I/c HSE(DS)- MSO	9969228656
6	SINGHAMPALLI THARKESHWAR PRASAD	CGM (M)-LM MAINTENACE	9490168773
7	SHASHI KUMAR CHOURASIA	CGM(D)- LM CEMENTING	9428332743
8	S PERUMAL	GM (CHEM)- LM - DFS	9490168726
9	BHAIRAB PAWE	GM (E)- I/C ELECTRICAL	9435717429
10	HARI SINGH NAYAK	GM(I)- I/C INSTRUMENTATION	8291281742
11	A K PRADEEP	GM(P)- I/C RCMT SVS	9428330352
12	R.K.BORAH	DGM(D) I/C -FISHING	9435744293



DRILLING SERVICES

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REGIONAL CRISIS MANAGEMENT TEAM FOR DRILLING SERVICES

Sl. No.	Name	Design.	Office	Mobile
1.	G Srihari	GGM(P)-H Corp CMT	0265-260-3878	9490168665
2.	A K Pradeep	GM(P)- I/C RCMT SVS	037722-45501	9428330352
3.	Subrata Das	CE(D)	037722-45502	9435717223
4.	Tushar Kumar	CE(D)	037722-45502	9428518658
5.	Harsh Talegoankar	CE(P)	037722-45502	9426612511
6.	Kumesh Deori	SE(D)	037722-45502	9490492210
7.	S S Neog	SE(D)	037722-45502	9435716705

POLLUTION CONTROL BOARD ASSAM (APCB)

1.	CENTRAL POLLUTION CONTROL BOARD, NEW DELHI.	22204948(O) 26463991(R)	CHAIRMAN & MEMBER SECRETARY, CENTRAL POLLUTION BOARD, PARVESH BHAVAN, EAST ARJUN NAGAR, NEW DELHI-121002
2.	ASSAM POLLUTION CONTROL BOARD, GUWAHATI.	0361-2550258 0361-2652774	CHAIRMAN & MEMBER SECRETARY, ASSAM POLLUTION CONTROL BOARD, BAMUNIMAIDAM, GUWAHATI-21.
3.	ASSAM POLLUTION CONTROL BOARD, SIVASAGAR.	03772-222823	REGIONAL EXECUTIVE ENGINEER OFFICE ASSAM POLLUTION CONTROL BOARD SIVASAGAR

CONTACT NUMBER OF DGMS/OISD AUTHORITIES

SL NO.	AUTHORITY	OFFICE	FAX
1.	DGMS, DHANBAD	0326-2221000	0326-2221027
2.	Dy. DGMS, EASTERN ZONE , SITARAMPUR	0341-2510710	0341-2510717
3.	DIRECTOR, DGMS, GUWAHATI	0361-5220129	



DRILLING SERVICES

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	REGION		
4.	OISD, DELHI	+91-120-2593800	+91-120-2593802

LIST OF KEY PERSONNEL WITH TELEPHONE NUMBERS

WLL NO. OF RIG: 03772- CONTROL ROOM, DS: 45777 (EPABX)
FIRE OFFICE, LAKWA: 03772247154/03772247208: NAZIRA: 0377224122 / 241179
FIRE OFFICE, GELEKY: 03772247622/03772247677: SIVASAGAR: 03772222781/ 245222
MINE FIRE OFFICER: SHAILESH SAWANT, CM (FIRE): MOB NO. 9969221417

Sl.No.	Name	Designation	Mobile No.
1	G. Deka	CGM(D) - HEAD DRILLING SERVICES , Mine Manager Drilling Oil Mine, Assam Asset.	9435718057
2	B. Jaikumar	CGM(D) - Deputy Mine Manager- LMDS	9442500788
3	S. Karunanithi	GM (D) - I/C HSE, DS - Mine Safety Officer.	9969228656
4	SH.	AREA MANAGER.	
5	SH.	INSTALLATION MANAGER	
6	SH.	INSTALLATION SAFETY OFFICER	
7	SH.	MECHANICAL IN CHARGE	
8	SH.	ELECTRICAL IN CHARGE	
9	SH.	Shift- In –Charge	
10	SH.	Shift- In –Charge	
11	SH.	Shift- In –Charge	
12	SH.	Shift- In –Charge	



DRILLING SERVICES

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LIST OF KEY PERSONNESL WITH PHONE NUMBERS

MEDICAL SERVICES



DRILLING SERVICES

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Sl. No.	Name	Designation	Assignment	CPF No.	Telephone No		Mobile No.
					Office	Residence	
					EPABX	EPABX	
1	Dr. Malaya Bailung Bordoloi	GM (MS)	Hd. Medical Services	81681	45050/222979		9410390258
2	Dr. Ashish Jain	GM (MS)	I/c Dispensary Nazira	59475	41041		9410390214
3	Dr. S. Neog	GM (MS)		91679	45061/		9435716455
4	Dr. B.K. Saikia	DGM(MS)		91952	45062		9435716259
5	Dr. Ashim Khargharia	DGM(MS)		91894	45044		9435716259
6	Dr. Monisha Gogoi	DGM(MS)		919555	45055		9435717271
7	Dr. A. B. Gogoi	ACMO (Orthopedics)		120658	45048		7577016933
8	Dr. H. K. Sharma	ACMO (Cardiologist)		122306	45075		9435716616
9	Dr. Anju Moni Shyam	ACMO		121137	45081		9410390264
Emergency Control Room: Sivasagar ONGC Hospital - 45111 Nazira ONGC Dispensary - 41111 Lakwa ONGC Dispensary - 47411 Sivasagar Civil Hospital - 222305							



DRILLING SERVICES

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FIRE SERVICES (ONGC)

Sl. No.	Name	Designation	CPF No.	Office telephone /EPABX	Mobile
1	Shri. JAI PRAKASH	DGM (I/C Fire Services)	73590	45854	9428007210
2	Shri. SHAILESH R SAWANT	CM FS (I/C Lakwa Fire Station)	96057		9969221417
3	Sh. Nilesh Wagde	CM, FS (Mine Fire Officer)			9490168151
3	Shri. NITYA NANDA PANGING	CM FS (I/C Geleky Fire Station) & Surface Mines Fire Officer	66681	45981	9410391383
4	Shri. BIKASH BORGOHAIN	Senior Fire Officer	63380	45941	9435743778
5	Shri. YASH UKAS	Fire Officer (I/C Nazira Fire Station)	139190		7099010442
6	Shri. DEEPAK KUMAR SAHU	Fire Officer	139278		7099028734
7	Shri. MOHD. KASHIF IRSHAD	Fire Officer	139296	41288	7099028733

Fire Stations	Incoming only	Incoming/Outgoing	P&T
Fire Station Lakwa	+91 3772 247422	+91 3772 247154 / 247208	+91 3772 257767
Central Fire Station Sivasagar	+91 3772 245222	+91 3772 245874	+91 3772 222781
Fire Station Nazira	+91 3772 241222	+91 3772 241179	-
Fire Station Geleky	+91 3772 247622	+91 3772 247677	-

SECURITY:

Sl. No.	Name	Designation	Assignment	CPF No.	Mobile No.
1	A Rahul Yadav	CM (Security)	I/c Security	106508	9968282955
2	Raushan Kumar	M (Security)		123283	9491069188
3	Abhishek Agnihotri	M (Security)		124966	9428332845
4	Abhishek Kuliya	SO		139799	9401990329



DRILLING SERVICES

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5	Debajit Gogoi	SSO		63379	9435742986
6	Hanuman Singh	SO		139385	7099027513
7	Amit kumar Chaudhary	SO		139384	7099027514
Security Control Rooms 1. Nazira- 03772-241058 2. Sivasagar- 03772-245333 3. Geleky- 03772-247500 4. Lakwa- 03772-247213					
All India Toll Free - 18001800088					

CENTRAL INDUSTRIAL SECURITY FORCE (CISF)

Sl. No.	Name	Telephone Office
		EPABX
1	CISF control room-Nazira	241032/2410
2	CISF control room-Sivasagar	245865
3	CISF control room-Geleky	247510
4	CISF control room-RDS	240274
5	CISF control room-Lakwa	240171

Fire Services			
1	Fire Station-SVS/NZR	222999/252222	
2	Fire Station-Sonari	+91 3772-256699	
3	Fire Station, OIL, Moran	+91 3754 226034	
4	Fire Station, OIL, Dhuliajan	+91 374 2801795	
5	Fire Station BCPL, Lakwa	+91 3772 257767	



Pollution Control Board:: Assam
Bamunimaidam; Guwahati-21
(Department of Environment & Forests:: Government of Assam)
Phone: 0361-2652774 & 3150318; Fax: 0361-3150319
Website: www.pcbassam.org



No. WB/OTWA/HW-353/20-21/373

Dated Guwahati the 29 June 2022

FORM – 2
[See Rule 6(2)]

[Grant of Authorization under the Provision of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016]

1. Number of Authorisation and date of issue : No. WB/OTWA/HW-353/20-21/373 dtd. 06.2022
2. Reference of application (No. and date) : 367692 and your letter(through E-mail) dated 20.06.2022
3. M/S Oil and Natural Gas Corporation Ltd.(ONGCL), Assam Asset Nazira, P.O : Nazira, dist: Sivasagar, Assam is hereby granted an authorisation based on the signed inspection report for Generation, storage and transportation of Hazardous or Other wastes or both.

DETAILS OF AUTHORISATION

Sl. No.	Category of Hazardous Waste as per the Schedules-I, II & III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum)	Mode of Management
1	Schedule-I, Sl.No. 2.1 : Drill cuttings excluding those from water based mud(containing oil)	Generation, Storage & Transportation	605.8 MT/Annum	Transportation to authorized actual user/ Disposal agencies/ Captive treatment through Bio-remediation as per prescribed norms after recovery of oil.
2	Schedule-I, Sl.No. 2.2: Sludge containing oil	Generation, Storage & Transportation	691.36 MT/Annum	Transportation to authorized actual user/ Disposal agencies/ Captive treatment through Bio-remediation as per prescribed norms after recovery of oil.
3.	Schedule-I, Sl.No. 4.1 Oil sludge or emulsion	Generation, Storage & Transportation	714.92 MT/Annum	Transportation to authorized actual user/ Disposal agencies/ Captive treatment through Bio-remediation as per prescribed norms after recovery of oil.
4.	Schedule-I, Sl.No. 5.1 Used or spent oil	Generation, Storage & Transportation	13.77 MT/Annum	Transportation to authorized actual user/Recyclers
5.	Schedule-I, Sl.No. 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	Generation, Storage & Transportation	17.86 MT/Annum	Transportation to authorized actual user/Recyclers
6.	Schedule-I, Sl.No. 33.2 Contaminated cotton rags or other cleaning materials	Generation, Storage & Transportation	25.61 MT/Annum	Transportation to authorized actual users /disposal agencies
7.	Schedule-I, Sl.No. 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	Generation, Storage & Transportation	13.44 MT/Annum	Transportation to authorized actual user/ Disposal agencies/ Captive treatment through Bio-remediation as per prescribed norms after recovery of oil.

4. This authorisation shall be in force for the period of five years up to 31.03.2027 unless otherwise revoked or withdrawn within this period.

5. The authorisation is subject to the following general and specific conditions:

A. GENERAL CONDITIONS OF AUTHORISATION:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. The agencies should ensure that the barrels are decontaminated before collection in the premises of the occupier /

29/6/22



generator equipped with adequate effluent treatment plant.

5. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization
6. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time
7. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time
8. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
9. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
10. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
11. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
12. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
13. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
14. An application for the renewal of an authorisation shall be made as laid down under these Rules.
15. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
16. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. SPECIFIC CONDITIONS:

1. The unit shall maintain the records of Hazardous & Other Wastes in Form-3 under provision of Rules 6(5), 13(7), 14(6), 16(5) & 20(1)
2. The unit shall provide the transporter with the relevant information in Form-9 regarding The Hazardous Nature Of The Wastes and measures to be taken in case of an emergency
3. The unit shall submit Annual Returns in Form-4 to State Pollution Control Board by 30th June of every year for the preceding period April to March.
4. The unit shall prepare 7 (seven) copies of the manifest in Form-10 as per Rules-19(1) for every transit of consignment of hazardous Waste under this authorization.
5. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forests & Climate Change, GOI, New-Delhi & Central Pollution Control Board, Delhi shall be complied.
6. The unit shall submit an Environmental Statement for the financial year ending on 31st March, in Form-V of the Environment (Protection) Rules, 1986 before 30th September every year.
7. Any occupier handling hazardous or other wastes and operator of the treatment, storage and disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time. The labelling shall be done as per Form 8.
8. The unit shall submit the report on any accident occurs at their facility immediately to the state Pollution Control Board, in Form-11 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
9. The transport of the hazardous and other waste shall be in accordance with the provisions of Rule 18 of Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
10. The unit shall install a display board in the prescribed format in accordance with PCBA notification vide. WB/T-237/ 19-20/95 dated 17.08.2020 in each installation and regularly update the same.

(Shantanu Kr. Dutta)
Member Secretary

Memo No. WB/OTWA/HW-353/20-21/ 373

Dated Guwahati the, 29 June, 2022

Copy to:

1. M/S ONGCL Assam Asset Nazira, Nazira, Sivasagar, Assam for information & necessary action.
2. The Sr. Env. Engineer, Regional Office Sivasagar, PCBA for information & necessary action.

(Shantanu Kr. Dutta)
Member Secretary

We, the ONGC, are committed to ensuring the health and safety of our people and safeguarding the environment and communities in which we operate.

Furthermore, ONGC recognizes that occupational health and safety, process safety, environmental, and social aspects may present materially significant risks and require specialist knowledge and controls for their management. As such, this policy outlines the ONGC commitments and expectations for managing these aspects at all facilities and areas across our business where the potential for occupational health and safety, process safety, environmental, and social events to occur exist.

ONGC shall achieve this by:

- Implementing all applicable legislation, codes, standards, and other requirements for occupational health and safety, process safety, environment, and social responsibility to ensure both compliance and sustainable development (environmental, social, and governance) principles, practices, plans, and objectives are achieved.
- Implementing and integrating robust risk management frameworks into our operations to ensure occupational health and safety, environmental, social, and major accident threats, hazards, and their risks are effectively managed to As Low as Reasonably Practicable (ALARP).
- Investing in people through effective recruitment, retention, competence development, and knowledge management systems such that occupational health and safety, process safety, environmental, and social responsibility principles and practices are suitably, adequately, and effectively implemented through excellent leadership.
- Investing in, establishing, and continually improving our asset integrity management system and programs to maximize the benefits of healthy, safe, environmentally friendly, and socially responsible production, and to avoid loss of containment events.
- Establishing 'SMART' objectives and targets to internally measure, audit, and assess our occupational health and safety, process safety, environmental, and social performance at all organizational levels, and externally against relevant international benchmarks, and to use such data for continually improving our ONGC culture.
- Preparing and being alert, competent, equipped, and ready to respond to emergencies through robust, fit-for-context, and updated Emergency Response Plans.
- Learning from events, by investigating all incidents proportional to their risk, as well as successful events, to maximize lessons learned for knowledge capture and continual improvement to our business.
- Proactively communicating and consulting with our stakeholders to achieve and enhance awareness, acceptance, application, and assimilation of global best occupational health and safety, process safety, environmental, and social responsibility practices.

ONGC Management is accountable for leading this Integrated HSE Policy, while employees, contractors, suppliers, and other relevant stakeholders have a shared responsibility for its successful implementation.



Arun Kumar Singh
Chairman & CEO, ONGC

Date : 17th July, 2024

Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-6100-I
B G Road
Sivasagar 785 640
Assam
INDIA

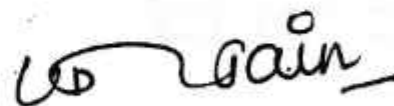
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.30
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

To check the validity of the certificate, please email to info@vexilbps.com
The validity of the certificate can also be verified at <http://www.vexilbps.com>
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Upon request, the Certificate shall be returned to Vexil Business Process Services Private Limited.

Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: ARMCUE-I
B G Road
Sivasagar 785 640
Assam
INDIA

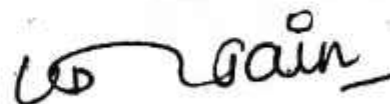
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.31
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-3000-I
B G Road
Sivasagar 785 640
Assam
INDIA

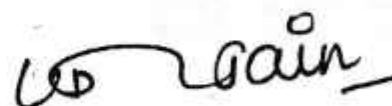
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.32
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-XIII
B G Road
Sivasagar 785 640
Assam
INDIA

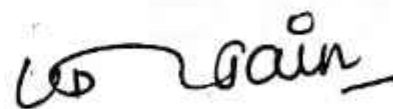
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.35
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-4900-I
B G Road
Sivasagar 785 640
Assam
INDIA

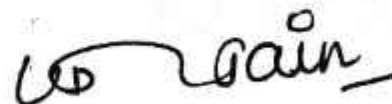
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.36
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-IV
B G Road
Sivasagar 785 640
Assam
INDIA

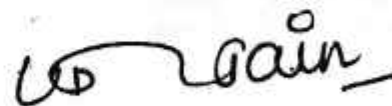
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.38
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-V
B G Road
Sivasagar 785 640
Assam
INDIA

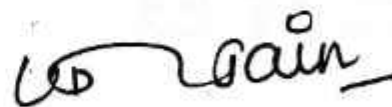
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.39
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



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ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-III
B G Road
Sivasagar 785 640
Assam
INDIA

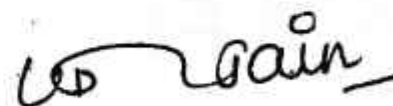
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.40
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamia Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-IV
B G Road
Sivasagar 785 640
Assam
INDIA

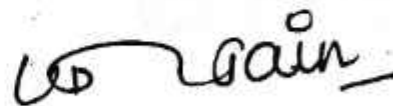
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.42
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-VI
B G Road
Sivasagar 785 640
Assam
INDIA

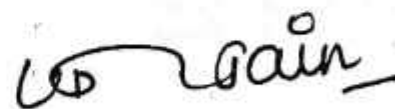
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.43
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Regional Crisis Management Team
Drilling Services
Sivasagar 785 640
Assam
INDIA

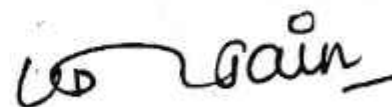
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Mitigate the Well Activity and Blowout, Maintaining Well Control, Blowout Control equipment & Imparting Training on Crisis Management

Certificate No. : Q9123908.44
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Cementing Section
Nazira
Sivasagar 785 685
Assam
INDIA

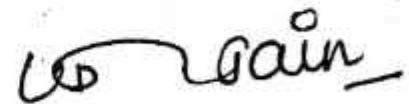
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Cementing Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.45
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig NG-1500-VI
BG Road
Sivasagar 785 640
Assam
INDIA

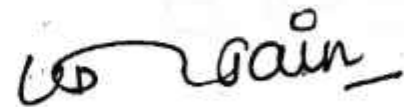
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.58
 Original Issue : 16 September 2025
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: NG-2000-IV
BG Road
Sivasagar 785 640
Assam
INDIA

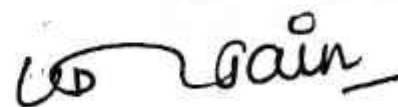
who have implemented a Quality Management System, which meets the requirements laid down in ISO 9001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : Q9123908.59
 Original Issue : 16 September 2025
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
 Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



ISO 9001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-6100-I
B G Road
Sivasagar 785 640
Assam
INDIA

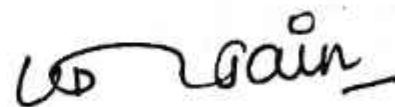
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.30
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 14001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: ARMCUE-I
B G Road
Sivasagar 785 640
Assam
INDIA

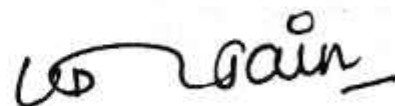
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.31
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 14001:2015

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The validity of the certificate can also be verified at <http://www.vexilbps.com>
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Upon request, the Certificate shall be returned to Vexil Business Process Services Private Limited.

Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-3000-I
B G Road
Sivasagar 785 640
Assam
INDIA

who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.32
Original Issue : 01 July 2021
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-XIII
B G Road
Sivasagar 785 640
Assam
INDIA

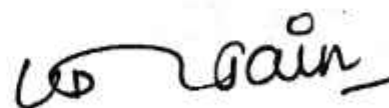
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.35
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-4900-I
B G Road
Sivasagar 785 640
Assam
INDIA

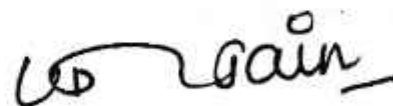
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.36
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109 D, Kamia Nagar, Delhi 110 007



ISO 14001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-IV
B G Road
Sivasagar 785 640
Assam
INDIA

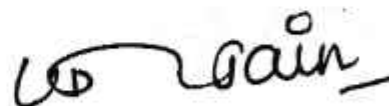
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.38
 Original Issue : 01 July 2021
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 109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-V
B G Road
Sivasagar 785 640
Assam
INDIA

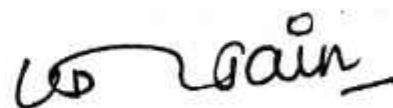
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Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.39
Original Issue : 01 July 2021
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-III
B G Road
Sivasagar 785 640
Assam
INDIA

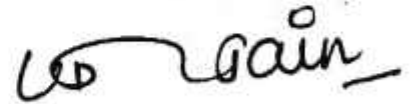
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.40
Original Issue : 01 July 2021
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109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-IV
B G Road
Sivasagar 785 640
Assam
INDIA

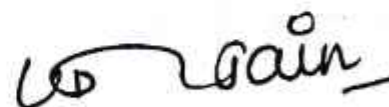
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.42
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

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109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-VI
B G Road
Sivasagar 785 640
Assam
INDIA

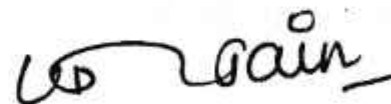
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.43
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

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109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Regional Crisis Management Team
Drilling Services
Distt. Sivasagar 785 640
Assam
INDIA

who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Mitigate the Well Activity and Blowout, Maintaining Well Control, Blowout Control equipment & Imparting Training on Crisis Management

Certificate No. : E9122682.44
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

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Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Cementing Section
Nazira
Sivasagar 785 685
Assam
INDIA

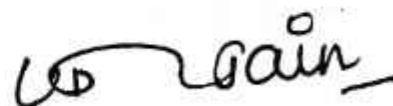
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Cementing Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.45
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

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 109 D, Kamia Nagar, Delhi 110 007



ISO 14001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig NG-1500-VI
BG Road
Sivasagar 785 640
Assam
INDIA

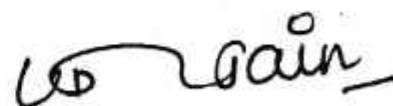
who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.58
Original Issue : 16 September 2025
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
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109 D, Kamia Nagar, Delhi 110 007



ISO 14001:2015

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: NG-2000-IV
BG Road
Sivasagar 785 640
Assam
INDIA

who have implemented an Environmental Management System, which meets the requirements laid down in ISO 14001:2015, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : E9122682.59
 Original Issue : 16 September 2025
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

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for Vexil Business Process Services Private Limited
 109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-6100-I
B G Road
Sivasagar 785 640
Assam
INDIA

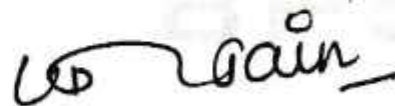
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.30
 Original Issue : 01 July 2021
 Latest Issue : 16 September 2025
 Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

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for Vexil Business Process Services Private Limited
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ISO 45001:2018

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: ARMCUE-I
B G Road
Sivasagar 785 640
Assam
INDIA

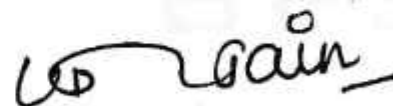
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.31
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited

Assam Asset

Drilling Rig: E-3000-I

B G Road

Sivasagar 785 640

Assam

INDIA

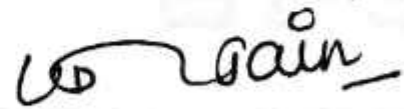
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Certificate

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Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-XIII
B G Road
Sivasagar 785 640
Assam
INDIA

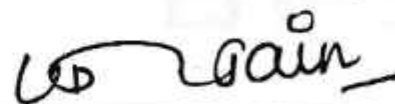
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: M-4900-I
B G Road
Sivasagar 785 640
Assam
INDIA

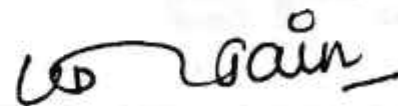
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Certificate

This Certificate is issued to

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Assam Asset
Drilling Rig: EV-2000-IV
B G Road
Sivasagar 785 640
Assam
INDIA

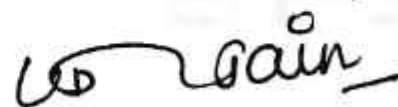
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-V
B G Road
Sivasagar 785 640
Assam
INDIA

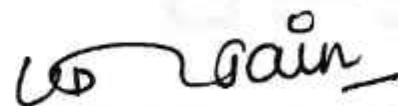
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Drilling Services to Assam Asset and A&AA Basin

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: EV-2000-III
B G Road
Sivasagar 785 640
Assam
INDIA

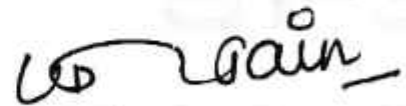
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-IV
B G Road
Sivasagar 785 640
Assam
INDIA

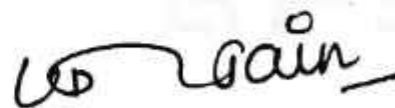
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.42
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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: E-1400-VI
B G Road
Sivasagar 785 640
Assam
INDIA

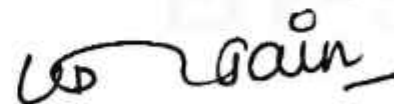
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Drilling Services to Assam Asset and A&AA Basin

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ISO 45001:2018

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Regional Crisis Management Team
Drilling Services
Sivasagar 785 640
Assam
INDIA

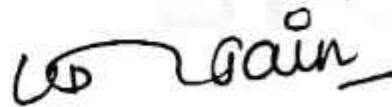
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin Mitigate the Well Activity and Blowout, Maintaining Well Control, Blowout Control equipment & Imparting Training on Crisis Management

Certificate No. : H9122569.44
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Cementing Section
Nazira
Sivasagar 785 685
Assam
INDIA

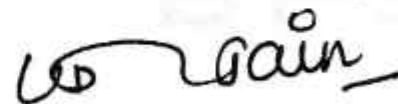
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Cementing Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.45
Original Issue : 01 July 2021
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



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109 D, Kamla Nagar, Delhi 110 007



ISO 45001:2018

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig NG-1500-VI
BG Road
Sivasagar 785 640
Assam
INDIA

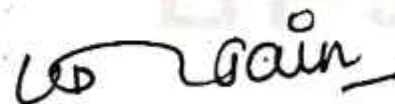
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.58
Original Issue : 16 September 2025
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



for Vexil Business Process Services Private Limited
109 D, Kamla Nagar, Delhi 110 007



ISO 45001:2018

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Certificate

This Certificate is issued to

Oil and Natural Gas Corporation Limited
Assam Asset
Drilling Rig: NG-2000-IV
BG Road
Sivasagar 785 640
Assam
INDIA

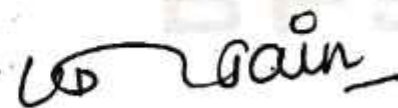
who have implemented an Occupational Health and Safety Management System, which meets the requirements laid down in ISO 45001:2018, with the following scope:

Drilling Services to Assam Asset and A&AA Basin

Certificate No. : H9122569.59
Original Issue : 16 September 2025
Latest Issue : 16 September 2025
Valid Till : 15 September 2028

The continuing validity of this certificate is subject to timely conduct of surveillance audits

Surveillance 1 due before : 29 August 2026
Surveillance 2 due on : 29 August 2027



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109 D, Kamla Nagar, Delhi 110 007



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