

Date: 12.05.2025

Ref.: AA/ONDSF/HZRG/EC/Jun-25/1

Head of Office,  
Integrated Regional Office, Guwahati,  
Ministry of Env., Forest and Climate Change,  
4<sup>th</sup> Floor, Housefed Building,  
G.S. Road Rukminigaon,  
Guwahati - 781022 (Assam)

Sub: Six-monthly Report on progressive compliance to Environmental Clearance (EC) conditions for Onshore Oil and Gas Exploration, Appraisal, Early Production and Development & Production in AA/ONDSF/HAZARIGAON/2018 Hydrocarbon Block (30.74 Sq.Km), Golaghat District, Assam

Ref: 1) File no. SEIAA. 1901/2021 dated 07.02.2022, EC Identification No. EC22B002AS187659  
(Exploration, Appraisal and Early Production)  
2) EC Identification No. EC23A002AS110755 dated 11.10.2023 (Development and Production)

Dear Sir,

We are pleased to submit a point wise compliance status report of the conditions stipulated in the Environmental Clearance accorded by SEIAA, Assam and EAC, MOEF&CC for AA/ONDSF/HAZARIGAON/2018 Block for the period of October 2024 to March 2025.

Thanking you,

Yours faithfully,  
For Vedanta Limited (Div.: Cairn Oil & Gas)

Dr BR Digitally  
Jat signed by  
Dr BR Jat

**Dr. Bhoma Ram Jat**  
**DGM- Environment**

**Enclosures:** As above

Copy to:

1. The Member Secretary, Pollution Control Board, Assam
2. Regional Office, Central Pollution Control Board, Nongthymmai, Shillong, Meghalaya.
3. The Chairman, SEIAA, Assam

**VEDANTA LIMITED**

**Cairn Oil & Gas:** ASF Center Tower A, 362-363, Jwala Mill Road, Phase IV, Udyog Vihar, Sector 18, Gurugram - 122016, Haryana, India  
T +91 124 459 3000 | F +91 124 414 5612 | [www.cairnindia.com](http://www.cairnindia.com)

**Registered Office:** Vedanta Limited, 1<sup>st</sup> Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai - 400093, Maharashtra, India | T +91 22 664 34500 | F +91 22 664 34530 | [www.vedantalimited.com](http://www.vedantalimited.com)

CIN: L132O9MH1965PLC291394

Sensitivity: Public (C4)

**SIX MONTHLY REPORT  
ON PROGRESSIVE COMPLIANCE TO ENVIRONMENTAL CLEARANCE CONDITIONS**

Project Name:	Onshore Oil & Gas Exploration, Appraisal & Early production Project in AA-ONDSF/HAZARIGAON/2018 Hydrocarbon Block (30.74 Sq. Km) in Golaghat District of Assam
Environmental Clearance letter no.:	File No.: SEIAA.1901/2021/EC/37/1650-A; Dated 02/02/2022 EC Identification No. EC22B002AS187659 dated 07/02/2022
Reporting period:	October 2024 to March 2025
Project activity during reporting period:	No Exploratory & Appraisal well drilling activities carried out during this reporting period.
Overall status of activities w.r.t. project defined in EC:	<p><b><u>Project defined in EC:</u></b> Drilling of Exploratory &amp; Appraisal Wells: 3 Nos. Early Production: 1800 BOPD crude oil and 12 MMSCFD Natural gas.</p> <p><b><u>Overall Status:</u></b> One exploratory well has been drilled till date. Wellpad# Rengma-1 (JP-EXT-2) (in AA/ONDSF/Hazarigaon/2018 block), Dag No: 402, 403 &amp; 404, Village Name- Gorh Gaon, Mouza- Borpathar, PS – Borpathar, PO- Upper Langtha, Revenue Circle - Sarupathar, Dist- Golaghat. Latitude: 26°14'0.84"N, Longitude: 93°56'59.10"E. Duration of drilling activities: April-22 to July-22. There is no commercially viable discovery at this drillsite. The well has been plugged &amp; abandoned as per the OISD standard and the site has been restored.</p>

S. No.	EC Conditions	Compliance Status
I.	<b>Statutory Compliance</b>	
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	<b><u>Not applicable.</u></b> No well drill sites/ project activities are in forest land.
ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<b><u>Not applicable.</u></b> No well drill site/ project activities are in wildlife area.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area)	<p><b><u>Complied.</u></b> Wildlife Conservation had been prepared for the block and submitted to PCCF-WL vide letter no. AA/ ONDSF/ Hazarigaon/2018/WLC/1 dtd. 27/12/2021. Following measures had been adopted:</p> <ul style="list-style-type: none"> <li>• Fencing had been done around the well pads including campsite to prevent any encounter with wild animals.</li> <li>• Awareness program had been carried out among working personnel involved in the project activities.</li> <li>• Road signages were provided along the roadside indicating the maximum speed limit near the project site.</li> </ul>
iv.	The Project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974	<b><u>Complied.</u></b> CTE has been obtain from PCBA vide letter no. WB/GOL/T-653/21-22/15/1618, WB/GOL/T-653/21-22/15/1619, WB/GOL/T-653/21-22/15

S. No.	EC Conditions	Compliance Status
	from the concerned State Pollution Control Board/Committee.	dtd. 12.01.2022 & CTO has been obtained vide letter no. WB/GOL/T-653/21-22/25 dtd. 24.06.2022. Post site restoration the CTO file has been closed vide letter no. Rengma-1/CTO/2024/1 dated. 18.01.2024.
v.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	<b>Complied.</b> Hazardous Waste Authorisation has been obtained by PCBA vide letter no. WB/T-311/21-22/169 dtd. 29/06/2022. Post site restoration the CTO file has been closed vide letter no. Rengma-1/CTO/2024/1 dated. 18.01.2024.
vi.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989	<b><u>Not applicable.</u></b>
<b>II.</b>	<b>Air quality monitoring and preservation</b>	
i.	The project proponent shall install 24X7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under environment (Protection) Act, 1986.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
iii.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOX emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
iv.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	<b><u>Complied.</u></b> Adequate stack height had been provided with the DG sets installed at drill site at the time of drilling. No drilling activities in this reporting period.

S. No.	EC Conditions	Compliance Status
v.	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
vi.	National Emissions Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21 <sup>st</sup> July 2010 and amended from time to time shall be followed.	<b>Not Applicable.</b> Not relevant to the oil & gas exploration & production projects.
vii.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009 shall be complied with.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
<b>III.</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
ii.	As already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
iii.	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
iv.	Total freshwater requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/ CGWA in this regard.	No ground water borewell drilled for this project.
v.	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
vi.	The company harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilized the same for different industrial operations within the plant.	Drilling is a very short terms activity (2-3 months only). Rainwater Harvesting is not feasible.
vii.	The DG sets shall be equipped with suitable Pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
<b>IV.</b>	<b>Noise monitoring and preservation</b>	
i.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	<b>Complied.</b> DG sets installed with acoustic enclosures at the drill site during drilling.

S. No.	EC Conditions	Compliance Status
ii.	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.	DG sets had been provided with acoustic enclosures, silencers and monitoring had been done. Noise levels are found within the limits.
iii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz, 75 dB(A) during daytime and 70 dB(A) during night-time.	<b>Complied.</b> Noise monitoring had been carried out pre-drilling, during drilling and post drilling stages. All parameters found in prescribed limits.
<b>V.</b>	<b>Energy conservation measures</b>	
i.	The energy sources for lighting purposes shall preferably be LED based.	<b>Complied.</b> LED bubs/tube lights had been provided at the drill site.
<b>VI.</b>	<b>Waste management</b>	
i.	Hazardous chemical shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Not relevant to the oil & gas exploration & production projects, therefore not applicable.
ii.	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Not Applicable
iii.	The Company shall undertake waste minimization measures as below: -	
	a. Metering and Control of quantities of active ingredients to minimize waste.	Not Applicable
	b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Not Applicable
	c. Use of automated filling to minimize spillage.	Not Applicable
	d. Use of Close Feed system into batch reactors.	Not Applicable
	e. Venting equipment through vapors recovery system.	Not Applicable
	f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	Not Applicable
<b>VII.</b>	<b>Greenbelt</b>	
i.	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Drilling is a short time process hence not feasible for the project. To be complied with, in case of commercially viable discovery of hydrocarbons and during production phase.
<b>VIII.</b>	<b>Safety, public hearing and human health issues</b>	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	<b>Complied.</b> ERP has been prepared and made available at drill site.
ii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	<b>Complied.</b> Adequate fire protection provision had been made at drill site during drilling. No activities in this reporting period.

S. No.	EC Conditions	Compliance Status
iii.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	<b>Complied.</b> PPEs had been provided at the drill sites.
iv.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Preemployment 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.	<b>Complied.</b> Regular trainings and awareness program had been conducted at drill site during drilling on the following topics such as: <ul style="list-style-type: none"> <li>• Confined space safety.</li> <li>• Work height</li> <li>• Spill prevention awareness</li> <li>• Waste management awareness</li> <li>• Electrical safety.</li> </ul>
v.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<b>Not applicable.</b> Workers engaged for site preparation/ civil work are from the nearby areas.
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check-up had been done for workers at the drill site.
vii.	There shall be adequate space inside the plant premises ear marked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	<b>Complied.</b> Adequate space for parking of vehicles was provided inside the plant premises.
<b>IX.</b>	<b>Corporate Environment Responsibility</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's IM vide F. No. 22-65/2017-IA III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.	<b>Complied.</b> Various programs and activities have been implemented for the benefit of the nearby community: <ul style="list-style-type: none"> <li>• Establishment of a handloom center</li> <li>• Setup of a digital classroom in a nearby college</li> <li>• Distribution of 47 smart TVs to primary schools</li> <li>• Organization of sports events, including cricket and football tournaments</li> </ul> A total expenditure of INR 17.63 lakh was incurred for these activities during the fiscal year 2023–24.
ii.	The company shall have a well laid down environment policy duly approve by the Board of Directors. The environment policy should prescribe for standards operating procedures to have proper checks and balances and to bring into focus any infringements/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental/ forest/ wildlife norms/ conditions and / or shareholders / stake holders. The copy of the board resolution in	Health, Safety, Environmental & Sustainability Policy have been made and implemented, duly signed by the CEO of the company.

S. No.	EC Conditions	Compliance Status
	this regard shall be submitted to the MOEF& CC as a part of six-monthly report.	
iii.	A separate environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	<b><u>Complied.</u></b> Environment team with qualified & experienced professional has been setup in the company. Head of the Environment reports to SBU president, who reports to CEO.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	<b><u>Complied.</u></b> EMP including environmental monitoring had been prepared and implemented during drilling operation. An expenditure of INR 1.15 Crores has been incurred for the various environment management activities in FY: 2022-23 including waste management, environment monitoring etc.
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	<b><u>Complied.</u></b> During drilling, audit/ inspection had been carried out by in-house HSE department.
<b>X.</b>	<b>Miscellaneous</b>	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	<b><u>Complied.</u></b> Advertisement has been published in 'Assam Tribune' and 'Dainik Janambhumi' newspapers on 04.09.2022 & 03.09.2022 respectively.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	<b><u>Complied.</u></b> Copies of the environmental clearance has been submitted to the Heads of Local and Municipal Bodies in addition to the relevant government offices vide letter dated 10/02/2023.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	<b><u>Complied.</u></b> Environmental Compliance is being prepared and uploaded on website on regular basis.
iv.	The project proponent shall monitor the criteria pollutants level namely, PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or criteria sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	No exploratory & appraisal well drilling and early production activity during this reporting period. To be complied with during project activities in future.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	<b><u>Complied.</u></b> Six-monthly compliance report is being prepared and submitted regularly.

S. No.	EC Conditions	Compliance Status
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and out on the website of the company.	<b><u>Complied.</u></b> Environmental statement has been prepared and submitted vide letter no.: Rengma-1/Form-V/23/1 dated: 22.09.2023
vii.	The project proponent 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, commencing the land development work and start of production operation by the project.	<b><u>Noted for compliance</u></b>
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	<b><u>Complied.</u></b> Conditions stipulated in CTE & CTO had been strictly followed towards prevention & control of environment.
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	<b><u>Complied.</u></b> EMP has been implemented towards pollution prevention & control and safeguard of environment and ecology.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change (MoEF&CC).	Noted
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme	Noted



S. No.	EC Conditions	Compliance Status
	Court of India / High Courts and any other Court of Law relating to the subject matter.	
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010	Noted

**SIX-MONTHLY REPORT ON  
PROGRESSIVE COMPLIANCE TO ENVIRONMENTAL CLEARANCE CONDITIONS**

Project name:	Onshore Oil and Gas Development & Production in AA/ONDSF /HAZARIGAON/ 2018 Hydrocarbon Block (30.74 Sq. Km), Golaghat District, Assam
Environment Clearance letter no.:	EC Identification No.EC23A002AS110755 dated 11 <sup>th</sup> October 2023
Reporting period:	October 2024 to March 2025
Project activity during reporting period:	Extended Well Testing in progress.
Overall status of activities w.r.t. project defined in EC:	<b>Project defined in EC:</b> •Drilling of Development & Production wells :05 Nos. •Production of 3600 BOPD Crude Oil and 24 MMSCFD Natural gas. <b>Overall Status:</b> Extended Well Testing in progress.

S.No.	EC Conditions	Compliance Status
<b>A.</b>	<b>Specific Conditions:</b>	
(i)	The environmental clearance is subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife, as applicable, as per the Ministry's OM dated 8th August 2019. Grant of environmental clearance does not necessarily imply that Wildlife Clearance shall be granted to the project and that their proposal for Wildlife Clearance will be considered by the respective authorities on its merit and decision taken. PP shall also strictly follow the conditions mentioned in existing NBWL clearance.	<b>To be complied with.</b>
(ii)	The project proponent shall prepare a site-specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/ Wildlife Department in a time bound manner.	Wildlife Conservation had been prepared for the block and submitted to PCCF-WL vide letter no. AA/ONDSF/HAZARIGAON/2018/WLC/2dtd. 22/08/2022. Following measures had been adopted: <ul style="list-style-type: none"> <li>• Fencing had been done around the well pads including campsite to prevent any encounter with wild animals.</li> <li>• Awareness program had been carried out among working personnel involved in the project activities.</li> <li>• Road signages were provided along the roadside indicating the maximum speed limit near the project site.</li> </ul>
(iii)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented (Annexure - I).	<b><u>To be Complied.</u></b>
(iv)	No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/ approval from the Competent Authority.	No forest land involved. No pipelines or its part has been laid in the Forest land / Protected Area.
(v)	Total freshwater requirement shall not exceed 25 m3/day per well from groundwater. Prior permission shall be obtained from the concerned regulatory authority.	Fresh water requirement of 87 kld per well drilling will be met locally through water tankers. No ground water will be used/ abstracted for the project activity.

S.No.	EC Conditions	Compliance Status
(vi)	PP shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to IRO, MoEF&CC.	<u>To be complied</u>
(vii)	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. Mobile ETP coupled with RO shall be installed to reuse the treated water in drilling system. Size of the waste shall be equal to the hole volume+ volume of drill cutting and volume of discarded mud if any. Two feet free board may be left to accommodate rainwater. There shall be separate storm water channel and rainwater shall not be allowed to mix with wastewater. Alternatively, if possible, pit less drilling be practiced instead of above.	<u>To be complied.</u>
(viii)	Produced water separation from subsurface (well) fluid and other effluent shall be treated at on-site ETP (Through Physico-chemical treatment system). And after treatment of produced water & other treated effluents will be disposed off in abandoned well/ deep dump well as per the GSR 546 (E). No discharge shall be done to the surface.	<u>To be complied.</u>
(ix)	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.	<u>Complied.</u> On field gas detectors has been installed at site for the EWT (Extended well testing unit).
(x)	Approach road shall be made pucca to minimize generation of suspended dust.	<u>Complied.</u> Approach road to the site has been made pucca for smooth movement of vehicles and minimization of suspended dust generation.
(xi)	The project proponent shall make all arrangements for control of noise from the drilling activity. Acoustic enclosure shall be provided for the DG sets along with the adequate stack height as per CPCB guidelines.	<u>Complied.</u> DG sets installed with acoustic enclosures and adequate stack height.
(xii)	The company shall construct the garland drain to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated.	<u>Complied.</u> No runoff of any oil containing waste into the nearby water bodies. Separate drainage is provided to prevent any mixing of storm water with any effluent and oil containing waste.
(xiii)	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud shall be discharged/disposed of into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August,2005.	<u>To be complied.</u>
(xiv)	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.	<u>Complied.</u> Accidental oil spill has been incorporated in the overall Emergency Response Plan (ERP) of the site operation.

S.No.	EC Conditions	Compliance Status
(xv)	The project proponent shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. At fixed installations or plants use of ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	<b><u>Complied.</u></b> All necessary measures are adopted to prevent fire hazards.
(xvi)	The project proponent shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H2S detectors in locations of high risk of exposure along with self-containing breathing apparatus.	<b><u>Not Applicable.</u></b> presence of H2S not anticipated.
(xvii)	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.	<b><u>To be Complied with.</u></b>
(xviii)	On completion of the project, necessary measures shall be taken for safe plugging of wells with secured enclosures to restore the drilling site to the original condition. The same shall be confirmed by the concerned regulatory authority from environment safety angle. In case of hydrocarbon not found economically viable, a full abandonment plan shall be implemented for the drilling site in accordance with the applicable DGH / Indian Petroleum Regulations.	Noted and will be complied with.
(xix)	PP proposed to allocate Rs. 1.8 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration (Annexure - II).	<b><u>To be complied with.</u></b>
(xx)	No lead acid batteries shall be utilized in the project / site.	Not applicable.
(xxi)	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules. All workers & employees shall be provided with required safety kits/ mask for personal protection.	<b><u>To be complied with.</u></b>
(xxii)	Oil content in the drill cuttings shall be monitored and report & shall sent to the Ministry's Regional Office.	<b><u>To be complied with.</u></b>
(xxiii)	The project proponent shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.	<b><u>Complied</u></b> Operating manual prepared and made available covering environment and safety related issues.
(xxiv)	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of	<b><u>Complied.</u></b> An awareness session has been conducted on the ban of Single Use plastic among the project personnel and nearby community/ villagers.

S.No.	EC Conditions	Compliance Status
	Notification published by MOEFCC on 12th August 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	
<b>B.</b>	<b>General Conditions:</b>	<b>Compliance</b>
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest, and Climate Change/ SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<b>Noted.</b>
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	<b>Complied.</b> LED bubs/tube lights had been provided at the site. Moreover, solar pannels are installed for common area/ external lighting.
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	<b>Complied.</b> Ambient Noise level monitoring has been carried out at site. The noise levels are found within the standard prescribed limits.
(iv)	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<b>Complied.</b> Various programs and activities have been implemented for the benefit of the nearby community: <ul style="list-style-type: none"> <li>• Establishment of a handloom center</li> <li>• Setup of a digital classroom in a nearby college</li> <li>• Distribution of 47 smart TVs to primary schools</li> </ul> Organization of sports events, including cricket and football tournaments A total expenditure of INR 17.63 lakh was incurred for these activities during the fiscal year 2023–24.
(v)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	<b>Complied.</b> Approximately 2.75 lakh INR has been incurred at the site, for FY: 2023-24 including: Monitoring cost, Waste management, Green belt development.
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body	<b>Complied.</b> Copies of the environmental clearance has been submitted to the Heads of local govt. and

S.No.	EC Conditions	Compliance Status
	and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	municipal bodies in addition to the relevant government offices vide our office dated 16.01.2024.
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	<b><u>Complied.</u></b> Six-monthly compliance report is being submitted to the IRO of MoEF&CC, Zonal Office of CPCB and PCB, Assam regularly as per the schedule i.e. 01 <sup>st</sup> Jun & 01 <sup>st</sup> Dec every year.
(viii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	<b><u>To be complied.</u></b>
(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	<b><u>Complied.</u></b> Public Notice for Environment Clearance granted to the project has been published in two local newspapers namely 'The Assam Tribune' and 'Dainik Janambhumi' on 25.04.2024. Copy of the Public Notice (Newspaper advertisements) have been submitted to the IRO office of MOEF & CC.
(x)	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.	Noted for compliance.
(xi)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.

## **ANNEXURE - 1**

Summary of Environmental Monitoring for  
WP-HZRG-1 in AA-ONDSF-HAZARIGAON/2018 Block

(Reporting Period: October 2024 to March 2025)

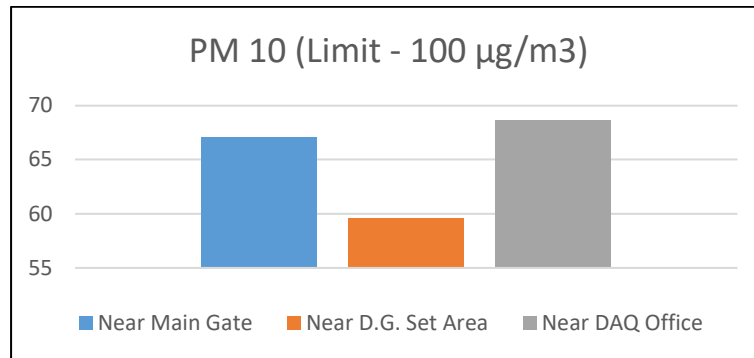
Environmental Monitoring for Ambient Air, DG Stack emissions, and Noise level are carried out for **Well Pad # HZRG-1 in AA-ONDSF-HAZARIGAON/2018 Block** in Well Testing Phase.

Reports of environmental monitoring conducted in Nov'2024 is summarized below.

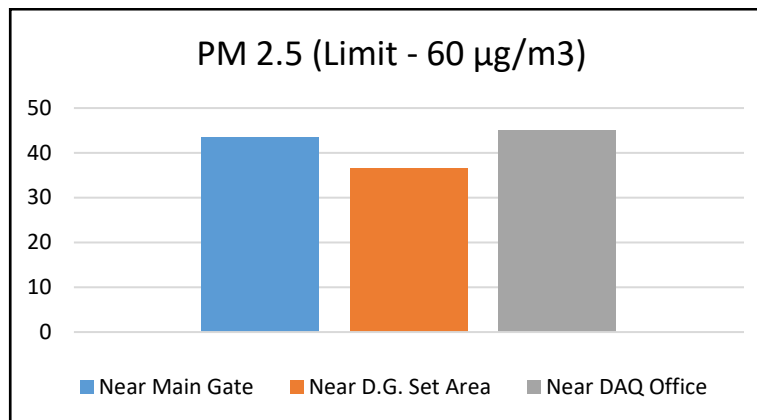
All parameters are under the standards as prescribed by CPCB and no deviations were observed.

### **Ambient Air Quality Monitoring Results in the Well Pad**

Three locations were selected around the operational areas for AAQ monitoring. The graphical interpretation of the results is provided below.



**Figure 1: Graphical representation of average trend of PM<sub>10</sub> in µg/m³**



**Figure 2: Graphical representation of average trend of PM<sub>2.5</sub> in µg/m³**



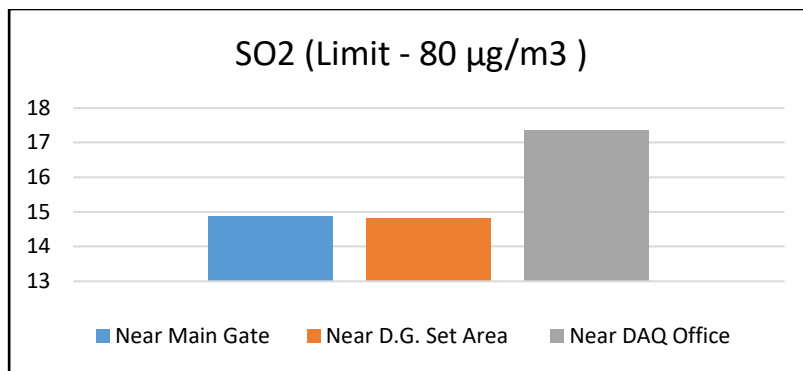


Figure 3: Graphical representation of average trend of SO<sub>2</sub> in in µg/m<sup>3</sup>

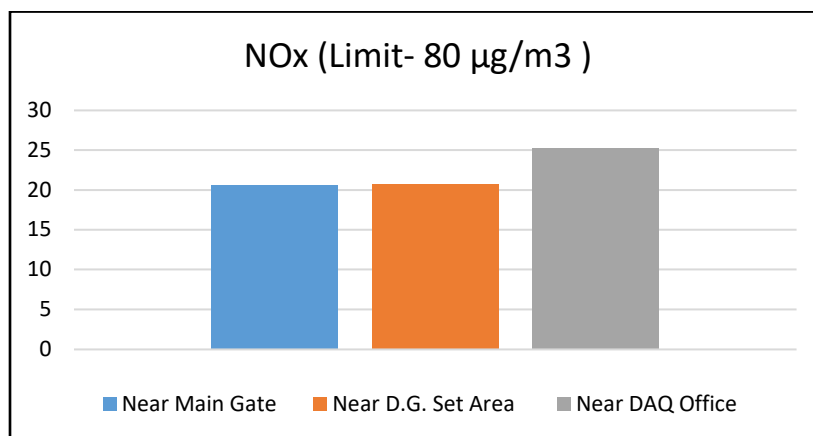


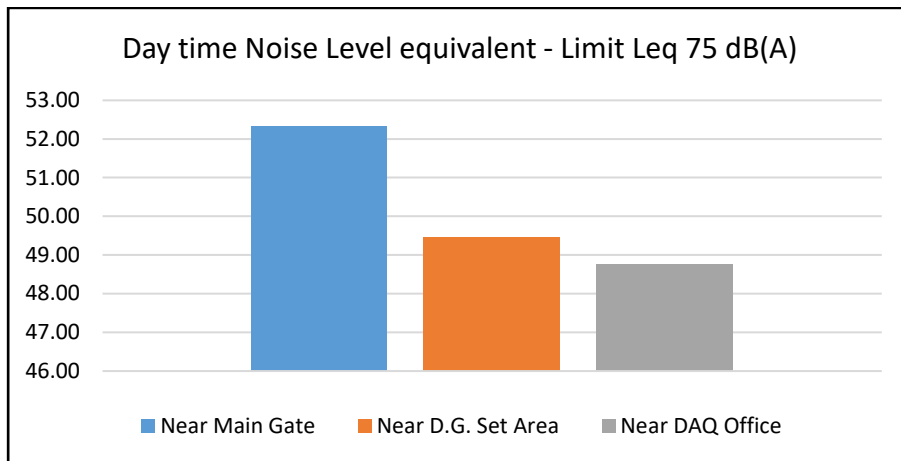
Figure 4: Graphical representation of average trend of NO<sub>x</sub> in in µg/m<sup>3</sup>

Table:1: Results of Volatile Organic Carbons (VOC as BTX) )Monitoring in in µg/m<sup>3</sup>

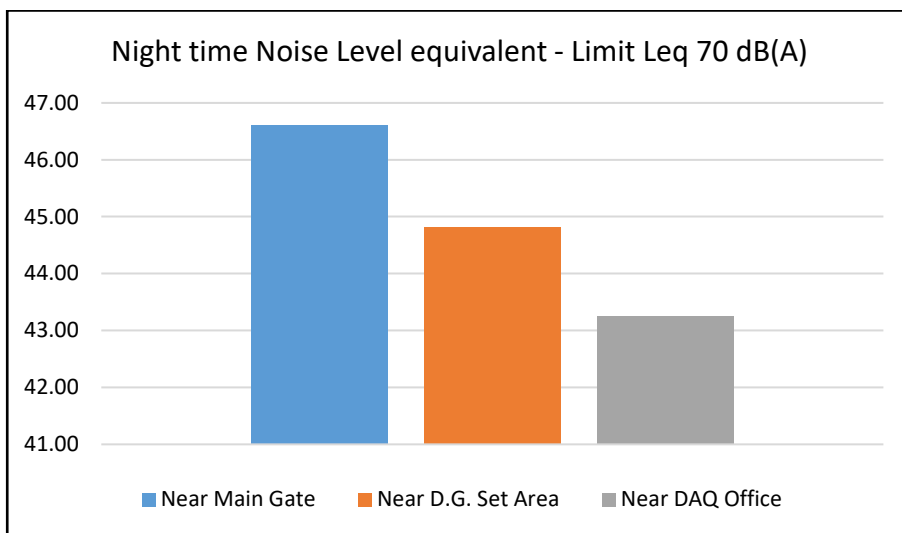
VOC (as BTX)	
Location	Results (µg/m <sup>3</sup> )
Near Main Gate	BLQ (LOQ - 0.05)
Near D.G. Set Area	BLQ (LOQ - 0.05)
Near DAQ Office	BLQ (LOQ - 0.05)

### Ambient Noise Quality Monitoring Results in Well Pad

Three locations were selected around the operational area for noise monitoring. The graphical interpretation of the results is provided below.



**Figure 5: Graphical representation of Noise Level in Leq dB(A) in the Day-time**

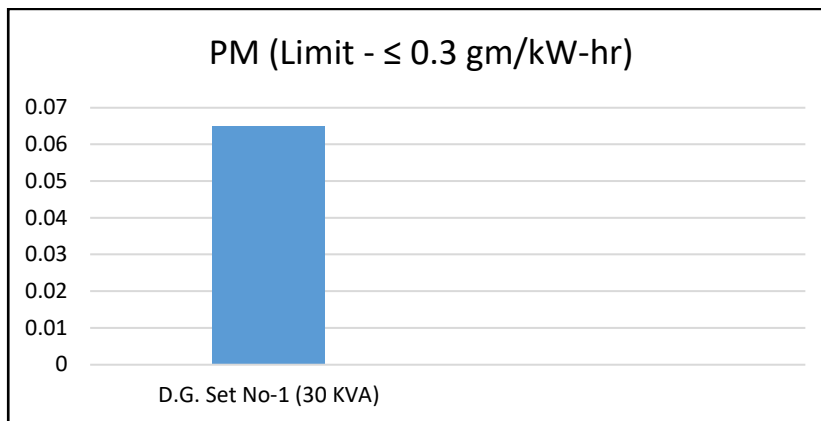


**Figure 6: Graphical representation of Noise Level in Leq dB(A) in the Night-time**

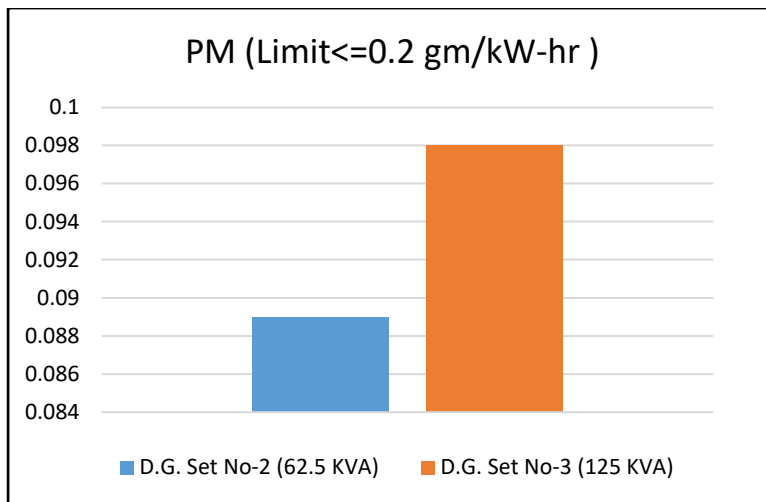
### Stack Monitoring Results in Well Pad

Stack Monitoring was carried out for stacks attached to the exhaust stacks of various equipment across the operational site.

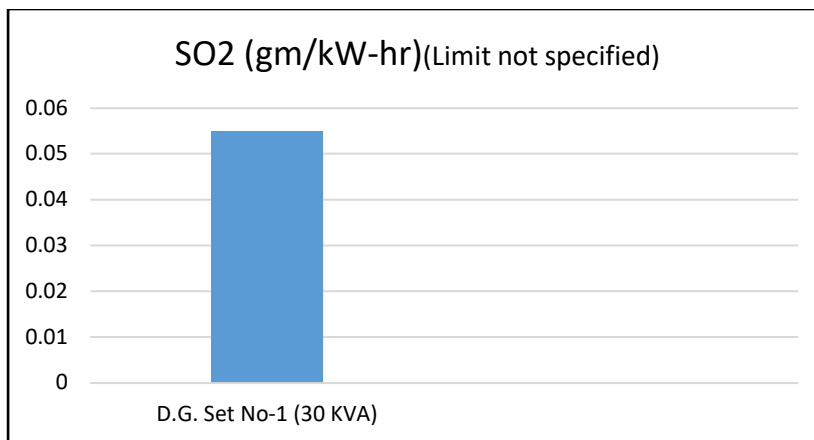
Graphical representation of average emission monitoring results during the reporting period is as follows:



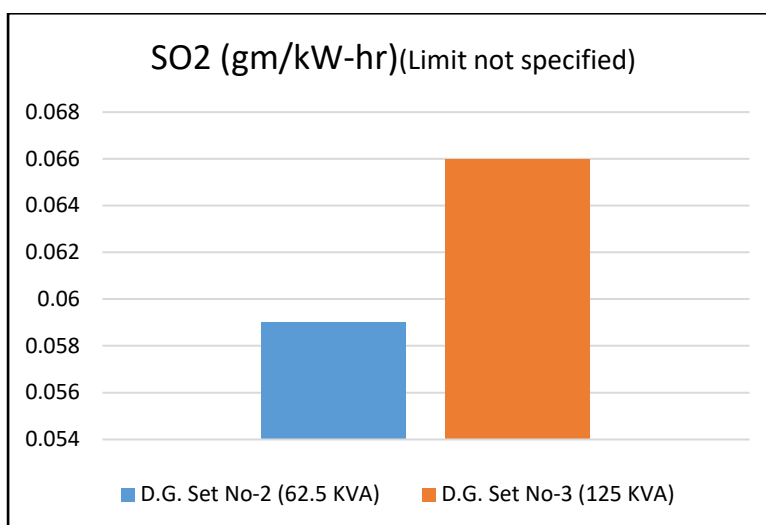
**Figure 7: Graphical representation of average emission of Particulate Matter in gm/kW-hr**



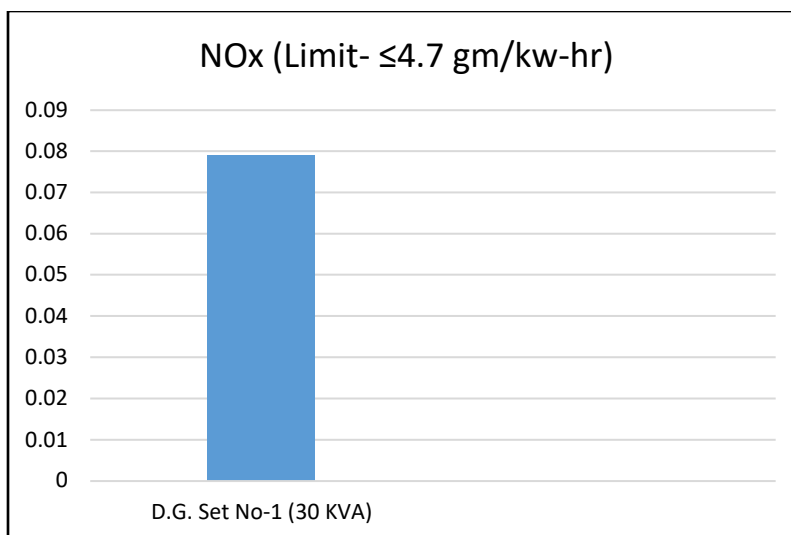
**Figure 8: Graphical representation of avg. emission of Particulate Matter in gm/kW-hr**



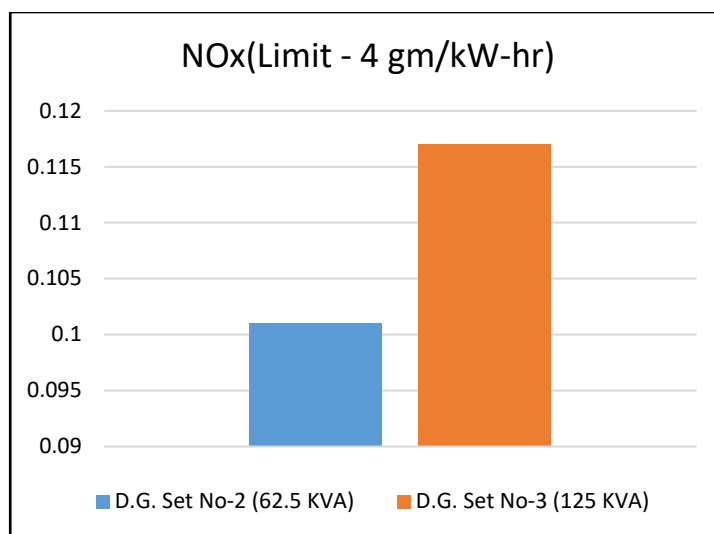
**Figure 9: Graphical representation of average emission of Sulphur di-oxides (SO<sub>2</sub>) in gm/kW-hr**



**Figure 10: Graphical representation of average of Sulphur di-oxides (SO<sub>2</sub>) in gm/kW-hr**



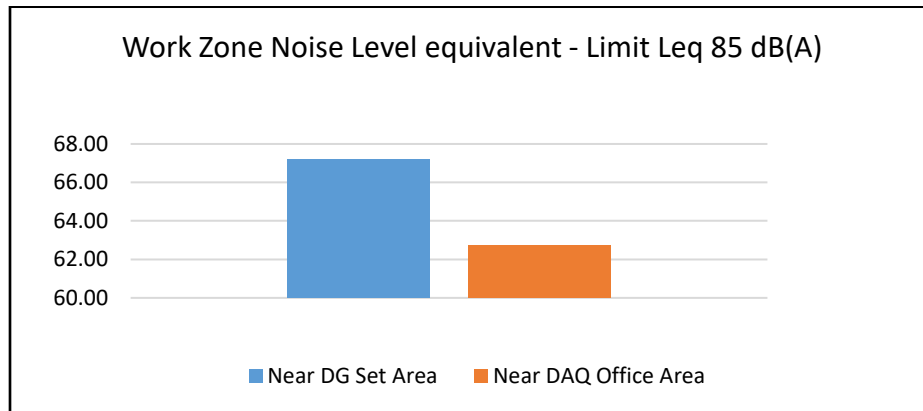
**Figure 11: Graphical representation of average emission of Oxides of Nitrogen (NOx) gm/kW-hr**



**Figure 12: Graphical representation of average emission of Oxides of Nitrogen (NOx) in gm/kW-hr**

### Work Zone Noise Monitoring Results in Well Pad

Two locations were selected around Well Pad in the operational area for work zone noise monitoring. The graphical interpretation of the results is provided below.



**Figure 13: Graphical representation of trend of Work Zone Noise Level in Leq dB(A)**