

**SIX MONTHLY COMPLIANCE REPORT FOR ENVIRONMENT CLEARANCE  
(April 2023- September 2023)**

1	Name of the project	Onshore Development & Production of Oil & Gas from 53 wells in 7 Blocks in Districts Jorhat and Golaghat (Assam) by M/s Oil and Natural Gas Corporation Ltd - Environmental Clearance
2	Location of project/ address:	Districts Jorhat and Golaghat (Assam)
3	Letter No. & date of Environment Clearance granted by MOEF	F.No. J-11011/86/2019- IA II (I) dated 17 <sup>th</sup> March, 2021
4	Present Status of project	11 wells have been drilled till March 2023.
5	Date of Commencement of Project	22.05.2021
6	Project Area as Per EC Granted (In Case of Mine Lease)	231.2 sq.km.
7	Actual Project Area (In Case of Mine Lease)	231.2 sq.km.
8	Crude Oil Production during 2022-23	14888 M <sup>3</sup>
9	Natural Gas Production during 2022-23	3738695 SCM

S. No.	Condition Description	Compliances	Remarks
I.	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.	All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project are being implemented at all drilling rigs. <b>However, on site visit, HDPE linings were found to be improper in some sites and also, they should have fixed the well name with permanent signage for each of well as per approved EC accorded by Ministry.</b>	In order to comply with the HDPE liner issue, the sites where the liner is improper will be identified and the job of proper fixing of the liners will be taken up on priority.
II.	No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.	Complied	
III.	As proposed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Mobile ETP along with RO plant shall be installed to treat the waste water	Complied	
IV.	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.	Complied.	
V.	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.	Complied.	

VI.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied	
VII.	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.	Complied	
VIII.	Total fresh water requirement shall not exceed 15 m <sup>3</sup> /day will be met through Tankers. Prior permission shall be obtained from the concerned regulatory authority. Mobile ETP coupled with RO shall be installed to reuse the treated water in drilling system. Size of the waste shall be equal to the hole volume+ volume of drill cutting and volume of discarded mud if any. Two feet free board may be left to accommodate rain water. There shall be separate storm water channel and rain water shall not be allowed to mix with waste water. Alternatively, if possible pit less drilling be practiced instead of above	Prior permission in this regard is being obtained from the concerned regulatory authority. Mobile ETP is associated with each drilling rig working in this project. Waste Pits are made by considering all the safety-measures to prevent any type of spillage. <b>However, project proponent should submit a copy of ground water withdrawal permission and ground monitored report to this office at earliest.</b>	The copy of Central Ground Water Approval is attached at <b>Annexure-A.</b>
IX.	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.	Garland drain is standard practice by ONGC therefore constructed to prevent runoff of any oil containing waste into the nearby water bodies' It was ensured that separate drainage system shall be created for oil contaminated and non-oil contaminated. Project Informed that ETP is in place for effluent treatment. <b>No such observation could be made on garland drain during visiting the drilling location as the wells are not having any active drilling at present.</b>	During the drilling operations, ONGC takes due care of treating the oil contaminated waste with the help of ETP before disposing the same.
X.	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/dischosed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR.546(E) dated 30th August, 2005	Drill cuttings are washed thoroughly after separating form drilling fluid and disposed in HDPE lined waste pits. No effluent/drilling mud is discharged/dischosed off into nearby surface water bodies. The guidelines for disposal of solid waste drill cutting and drilling fluids for, onshore drilling operation are being followed. <b>However, on site, it was found that the HDPE lining was not proper in some sites. And some places drilled pits were devoid of HDPE lining.</b>	In order to comply with the HDPE liner issue, the sites where the liner is improper will be identified and the job of proper fixing of the liners will be taken up on priority.
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	Project informed that no oily sludge is being generated during drilling. Burnt lube oil is collected and transported to Drilling Tool Yard for storage and disposed as per regulation. <b>However, on the project site it was observed that oil containing water may runoff into nearby lowland area. Project proponent should properly maintain to prevent oil spillage in the nearby well site.</b>	The runoff of the water into the lowland areas is being ensured by collecting the same in the waste pits after treatment.

XII.	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	Being Complied	
XIII.	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.	Complied	
XIV.	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations	Complied	
XV.	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	In case of abandonment of drill site (if well is dry), well is plugged as per regulations and well mouth get covered with steel plate by welding as per Site Restoration Procedure of ONGC. <b>Restoration of the site is not done in accordance with GSR-546' M/s' Restoration of well plinth has not been initiated. ONGC should take restoration of sites immediately and secured enclosures around the wells for safety. As per submitted restoration plan there is no specific time frame for restoration of the drilled pits area. There is no clear specific calendar plan for declaration of abandoned well after commence in operation. Project proponent should ensure to have restored the drilled pits area within the stipulated time bound manner.</b>	ONGC restores the well site areas once the site is decided to be abandoned. The well sites which are covered under this EC are under production and oil is being produced, therefore regular activities pertaining to production are being held as and when required at these well sites. Also these well sites are obtained on lease and the Site Restoration will be taken up as per the guidelines, once the sites will be surrendered to the owner after the deactivation or abandonment of wells.
XVI.	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centres/ support in nearby village's schools, support in health care	Following Activities are under planning for the current year:- 1. Safe Drinking water facility in nearby area of ONGC activity at Jorhat. 2. Tree Plantation Activities in ONGC sites as well as in compound of School and public offices of the operation areas. <b>Project proponent should submit a copy of annual calendar in booklet form on environmental protection measures.</b>	ONGC has taken up various activities under the CER for the said project. The details of the same along with the future plan of activity wise CER expenditure is attached at <b>Annexure-B.</b>

	facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed		
XVII.	No lead acid batteries shall be utilized in the project/site.	Complied	
XVIII.	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.	Complied.	
XIX.	Oil content in the drill cuttings shall be monitored and report & shall sent to the Ministry's Regional Office	Complied	
XX.	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.	Complied.	
<b>B</b>	<b>General Conditions</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.	Ministry accorded EC for "Onshore Development and production of oil & gas from 53 wells in 7 ML blocks by M/s. Oil and Natural Gas corporation Limited located in Jorhat and Golaghat districts, Assam. "13 nos. of wells already drilled and remaining 40 wells are yet to be drilled, which are as follows; <b>Project Proponent should submit the date of drilling and production remaining details of the mentioned 40 wells and newly proposed 22 wells as find when initiated.</b>	As and when the further drilling activities will be taken up, the same will be communicated to your kind office accordingly.
II.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment	Complied	
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	Complied.	

	ambient noise levels shall conform to the standards prescribed under the Environment ( Protection ) Act, 1986 Rules, 1989 viz.75 dBA ( day time) and 70 dBA ( night time).		
IV.	The company shall undertake all relevant measures for improving the socio - economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment	Following Activities are under planning for the current year:- 1. Safe Drinking water facility in nearby area of ONGC activity at Jorhat 2. Tree Plantation Activities in ONGC sites as well as in compound of School and public offices of the operation areas.  <b>However, corporate Environment Responsibility (CER) plant is yet to be prepared' Project proponent should have submitted the approved signed copy of annual action plan in booklet form / micro action plan and their implementation status on CREP to this sub office.</b>	ONGC has taken up various activities under the CER for the said project. The details of the same along with the future plan of activity wise CER expenditure is attached at <b>Annexure-B.</b>
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	Sufficient funds are earmarked 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.  It is ensured that funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose. <b>The year wise and activity wise expenditure incurred for environmental protection measures have not been recorded and furnished to this, office particularly for this project. Project proponent should have submitted the approved signed copy of year wise action plan / micro action plan and their implementation status on to this Ministry office, Guwahati.</b>	Under this project, 13 development wells have been drilled till date and the details of expenditure incurred for environmental protection measures during this period is attached at <b>Annexure-C.</b>  Further the activity wise action plan is attached at <b>Annexure-D.</b>
VI	A copy of the clearance letter shall be sent by the project Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal	Complied.	
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 email) 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	Complied.	

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	Complied.	
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	Complied.	
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.	Complied.	
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.	Complied.	



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)  
**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Oil And Natural Gas Corporation (ongc)		
Project Address:	Borholla Ggs, Mauza: Amguri Khatkatia, P.o: Borholla		
Village:	Sildubi	Block:	Titabor
District:	Jorhat	State:	Assam
Pin Code:			
Communication Address:	Nambar-iii Building, Ongc Cinnamara, Jorhat, Assam, Jorhat, Jorhat, Assam - 785704		
Address of CGWB Regional Office :	Central Ground Water Board North Eastern Region, Betkuchi, Opposite Isbt,, Nh-37, Guwahati,, Kamrup Metro, Assam - 781005		

1. <b>NOC No.:</b>	CGWA/NOC/IND/ORIG/2023/17794				2. <b>Date of Issuance</b>	20/02/2023								
3. Application No.:	21-4/2447/AS/IND/2022				4. Category: (GWRE 2020)	Safe								
5. Project Status:	Existing Project				6. NOC Type:	New								
7. <b>Valid from:</b>	20/12/2022				8. <b>Valid up to:</b>	19/12/2025								
9. Ground Water Abstraction Permitted:														
	Fresh Water		Saline Water		Dewatering		Total							
	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year						
	22.00	8030.00												
10. Details of ground water abstraction /Dewatering structures														
	<b>Total Existing No.:4</b>						<b>Total Proposed No.:0</b>							
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu		
Abstraction Structure*	0	0	4	0	0	0	0	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps														
11. Ground Water Abstraction/Restoration Charges paid (Rs.):	8038.00													
12. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers					Monitoring Mechanism								
						Manual	DWLR**	DWLR With Telemetry						
**DWLR - Digital Water Level Recorder	1					1	0	0						

**(Compliance Conditions given overleaf)**

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18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE

**Validity of this NOC shall be subject to compliance of the following conditions:**

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**



**Annual Calendar for CER Activities**

Year	CER Activity	CER Expenditure in Lacs
2021-22	Solar Light	5 lacs
2022-23	Solar Light	60 lacs
	Drinking Water	14 lacs
2023-24	Plantation	5 lacs
	Solar Light	30 lacs
2024-25	Plantation	50 lacs
	Drinking Water	25 lacs
	Education	10 lacs
	Health Camps	10 lacs

Sr. No.	Mitigation/Management Measures	Total Expenditure for 13 Wells
1.	Wastewater and Effluent Management ETP Water Quality Monitoring	18,00,000
2.	Fuel, Lubricant and Chemical Management	4,00,000
3.	Noise and Vibration Mitigation Acoustic Enclosure and Personal Protective Equipment Noise Monitoring Maintenance cost of Equipment	1,75,000
4.	Solid Waste Management	2,50,000
5.	Air emission mitigation Maintenance of D.G.sets Air monitoring	90,000
6.	General Awareness in Local Public	1,50,000
7.	<b>Total</b>	28,65,000/-

Activity	Management/Mitigation Measure	Action Taken	Remarks
Land Procurement	<ul style="list-style-type: none"> <li>• If the identified lands are of private landowners then land lease mode would be applied and in case of govt. land, land allotment from Govt. would be applied.</li> <li>• The livelihood of local community, if affected by the proposed land take, would be identified and compensated through adequate compensation and other livelihood restoration activities directly or indirectly through CSR activities</li> </ul>	ONGC – Project Team	The land acquisition and compensation process is being followed throughout the Project.
Site clearance and Grading	<ul style="list-style-type: none"> <li>• The final site selection would be done for site with minimum trees, and involving minimum cutting;</li> <li>• Top soil would be properly stored for future use.</li> <li>• Water sprinkling would be carried out while working in proximity of agricultural fields or settlements/habitations;</li> </ul>	ONGC – Project team	The procedure is being followed throughout the Project.
Construction of drill site	<ul style="list-style-type: none"> <li>• Temporary storage sheds would be provided for construction material such as cement;</li> <li>• Excavated soil would be used during site preparation;</li> <li>• Provision and usage of adequate PPEs to workers as applicable and identified for the respective activity. .</li> </ul>	ONGC – Project team & Civil Contractor	The procedure is being followed throughout the Project.
Construction of camp of site	<ul style="list-style-type: none"> <li>• Surface conditions would be examined prior to movement of crane;</li> <li>• Provision and usage of adequate PPEs to workers as applicable and identified for the respective activity.</li> </ul>	ONGC – Project team & Civil Contractor	The procedure is being followed throughout the Project.
Transportation of drilling components and rig	<ul style="list-style-type: none"> <li>• Only trained drivers with expertise in defensive driving would be involved in the movement of rigs.</li> <li>• All movement of major equipment would be scheduled in the lee hours in consideration of the traffic movement in the connecting major arterial road.</li> <li>• Local administration and village administration as applicable would be informed during movement of rigs through village roads;</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
Drilling & Well testing	<ul style="list-style-type: none"> <li>• Water would be sourced from the locally approved source or ground water would be withdrawn prior approval of CGWA</li> <li>• Two separate Drill cutting disposal pits would be provided</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
	<ul style="list-style-type: none"> <li>• Drill waste pits would be provided with HDPE lining on bottom and side surfaces;</li> <li>• Used hazardous chemical barrels, used oil and other hazardous waste would be sent to ASPCB authorized recyclers;</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.

	<p>Equipment upkeep and regular maintenance to minimise noise generation from all rotary equipment; PPE's such as ear plugs, muffs would be provided to workers at site;</p> <ul style="list-style-type: none"> <li>• Periodic maintenance of vehicles and machinery would be undertaken;</li> <li>• DG sets would be provided with acoustic enclosures as per requirements under CPCB guideline.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Adequate stack heights would be providing for generators, adhering to the CPCB standards for diesel generators;</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
	Migrant labour would be sensitized towards customs and traditions of the local population;	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
	<p>Blowout preventers would be provided;</p> <ul style="list-style-type: none"> <li>• Firefighting measures would be provided near all welding operations;</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
Operation of Campsites	<p>Safe drinking water to be provided at campsites;</p> <ul style="list-style-type: none"> <li>• All waste would be collected in bins located near each set of porta cabins. Segregation of waste at the source of generation would be put in practice.</li> </ul>	ONGC – Project team & Contractor - HSE	The procedure is being followed throughout the Project.
Decommissioning and Abandonment	<p>site restoration approved plan shall be prepared with the detailed checklist;</p> <ul style="list-style-type: none"> <li>• All drill cuttings, spent mud, waste oil and other waste would be completely removed from the site and sent to designated disposal place prior to commencement of demolition work;</li> <li>• All concrete or steel installations would be removed to at least 1 m below ground level, so as to ensure that there would be no protruding surface Structures. The casing wellhead and the top joint of the casings would be cut below the ground level and capped with a cement plug.</li> <li>• Prior to commencement of any demolition, a planned programme of site clearance would be formulated. All pits, cellars and holes would be removed and filled to ground level, any oil or otherwise contaminated soil would be removed and disposed to suitably.</li> </ul>		Decommissioning and Abandonment Procedure is not applicable at this stage of project as all the wells are producing. However it is being ensured that after the rig operations the well site is clear.



OIL & NATURAL GAS CORPORATION LTD.  
Office of Head HSE, Jorhat Asset  
Nambar-III, Cinnamara Jorhat-785704.  
Ph: 0376-2707314/ 2707734

No. JRT / Jorhat Asset / ST/ ENV Statement/ 2022-23

Dated : 25.01.2024

From : Surface Area Manager , Jorhat Asset

To: Head HSE, Jorhat Asset

Please find enclosed herewith environmental statement for April 2022- March 2023 attached Form-V against **Environment Clearance order issued vide no. F. No. IA-J-11011/86/2019-IA-II(I) dated 17<sup>th</sup> March 2021 for "Onshore Development and production of Oil & Gas from 53 wells in 7 ML Blocks by M/s Oil and Natural Gas corporation Limited located in Jorhat and Golaghat districts , Assam "** pertaining to activities of Production Activities of Jorhat Asset. This is for your information and necessary action please.

25.1.24

कुलदीप कुमार / Kuldeep Kumar  
महाप्रबंधक उत्पादन / General Manager (P)  
भूतल क्षेत्र प्रबंधक / Surface Area Manager-2  
भूतल टीम, जोरहाट परिसंपत्ति / Surface Team-Jorhat Asset  
Surface Area Manager-1

**FORM - V**

**(SEE RULE 14)**

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE 31<sup>ST</sup> MARCH 2023

(PERIOD 1<sup>ST</sup> APRIL 2022 TO 31<sup>ST</sup> MARCH 2023 )

**PART-A**

(I) NAME AND ADDRESS OF THE OWNER/OCCUPIER OF THE INDUSTRY OPERATION OR PROCESS- SHRI S.K. DWIVEDI. ASSET MANAGER, JORHAT ASSET- M/S OIL & NATURAL GAS CORPORATION LIMITED, JORHAT ASSET, DISTT. JORHAT (ASSAM)

(II) INDUSTRY CATEGORY PRIMARY – (STC CODE) SECONDARY- STC CODE)

(III) PRODUCTION CAPACITY- 14888 M<sup>3</sup> OF CRUDE OIL AND 3738695 SCM OF NATURAL GAS.

(IV) YEAR OF ESTABLISHMENT:

(V) DATE OF THE LAST ENVIRONMENTAL STATEMENT SUBMITTED: NA

**PART-B**

**WATER AND RAW MATERIAL CONSUMPTION**

(I) WATER CONSUMPTION (M<sup>3</sup>)

PROCESS & COOLING: NIL M<sup>3</sup>

DOMESTIC: NIL M<sup>3</sup>

INJECTION: NIL M<sup>3</sup>

NAME OF PRODUCTS  
PRODUCT

PROCESS WATER CONSUMPTION PER UNIT OF

OUTPUT

MARCH

DURING THE PREVIOUS  
YEAR ENDING 31<sup>ST</sup> MARCH

DURING THE CURRENT  
YEAR ENDING 31<sup>ST</sup>

(1)

(2)

(3)

CRUDE OIL+ OIL EQUIVALENT OF  
NATURAL GAS

----- MT

---- MT

**PART-D  
HAZARDOUS WASTES**

(AS SPECIFIED UNDER HAZARDOUS WASTES (MANAGEMENT AND HANDLING) RULES, 1989)

HAZARDOUS WASTES	TOTAL QUANTITY (KG)	
	DURING THE PREVIOUS YEAR ENDING 31 <sup>ST</sup> MARCH	DURING THE CURRENT YEAR ENDING 31 <sup>ST</sup>
MARCH		
(A) FORM PROCESS	---- MT	---- MT
(B) FORM POLLUTION CONTROL FACILITIES	----MT	---- MT

**PART - E  
SOLID WASTES**

MARCH	TOTAL QUANTITY	
	DURING THE PREVIOUS YEAR ENDING 31 <sup>ST</sup> MARCH	DURING THE CURRENT YEAR ENDING 31 <sup>ST</sup>
(A) FORM PROCESS	----	----
(B) FORM POLLUTION CONTROL FACILITIES	----	----
(C)		
(1) QUANTITY RECYCLEED OR RE-UTILIZED WITHIN THE UNIT		
(2) SOLID-       NIL		NIL
(3) DISPOSED-   ----- KG, -----BARRELS -----GALLONS ---- MT, ----- BARRELS, -----		
FILTERS		

**PART F**

**PLEASE SPECIFY THE CHARACTERIZATION (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS**

**AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES.**

- I. RECOVERY OF OIL IS CARRIED OUT FROM OILY SLUDGE BY .....(IF ANY-**PROVIDE DETAIL**). -NIL
- II. BIOREMEDIATION JOB FOR ENVIRONMENT FRIENDLY TREATMENT OF OILY SLUDGE - NIL
- III. BURNT OIL SENT FOR DISPOSAL/ RECOVERY THROUGH AUTHORIZED VENDERS - NIL
- IV. SOLID WASTE LIKE BARRELS , DRUMS **DISPOSAL DETAIL**- STORED AT SITE
- V. OLD BATTERIES (**PROVIDE DISPOSAL DETAIL**)- **BUY BACK CONTRACT WITH SUPPLIERS**

**PART G**

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION: N/A

**PART H**

ADDITIONAL MEASURES/ INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION ABATEMENT OF POLLUTION, PREVENTION OF POLLUTION.

- I. ENVIRONMENTAL MONITORING (AIR , WATER, SOIL AND NOISE ) DETAIL: Enclosed
- II. BIOREMEDIATION JOB (PROVIDED DETAILS). -----MT SLUDGE WHICH IS TREATED THROUGH BIOREMEDIATION BY OTBL.
- III. ACOUSTIC ENCLOSURES – ALL THE GENSETS ARE ACOUSTICALLY ENCLOSED

**PART I**

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.

- I. TREE PLANTATION DURING 2022-2023  
150 SAMPLING WERE PLANTED NEAR THE WELL SITES.