


# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/GJ/IND2/151758/2011

## 1. Name of the Entity / Corporate Office :


File No. :	J-11011/503/2011-IA II (I)	Proposal Name :	Development Drilling of 406 wells in Mehsana Asset, Mehsana, Gujarat
Date Of EC. :	25 Jan 2021	EC Letter :	
Name of the Entity / Corporate Office :	OIL AND NATURAL GAS CORPORATION LIMITED	Email Address :	head_env@ongc.co.in
Address :	Deendayal Urja Bhavan, 5, Nelson Mandela Marg, Vasant Kunj	Mobile No :	9428828040

## 2. Proponent Details :

Proponent Name :	Parth	Designation :	General Manager
Telephone No :	11-26753163	Mobile No :	+91 9968282636
Fax No :	11-01126129067	Email Address :	head_env@ongc.co.in
Website :		Pin Code :	110070
State :	Delhi	District :	South West
Village/Town :			

## 3. Compliance Letter/Report (Proponent):

Compliance Period :	2021 / 01 Jun (01 Oct - 31 March)	Compliance Submission Date :	26 Jul 2022 16:47:09:840
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Remarks :	Compliance report for the period of 01.10.2021 to 31.03.2022		
Site Visit Report :	N/A	Site Visit Date :	N/A
ATR Report :	N/A	ATR Date :	N/A
Additional Attachment (If Any) :		Additional Remarks (If Any) :	Ambient Air Quality Monitoring and Stack Emission Monitoring Reports Sample Copies

#### 4. Summary Status of Compliance :

Total Condition :	31		
Complied :	21	Being Complied :	1
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	9		

#### 5. Details of Production and Project Area :



Date of Commencement of Project/Activity :	25 Jan 2021	Project Area as Per EC Granted (In Case of Mine Lease):	12100	
Actual Project Area(In Case of Mine Lease):	12100			
PRODUCTION CAPACITY :				
S.No	Name of the Product	Units	As per EC granted	Production during last financial year
1	Oil (in MMT)	Others	0	2.054
2	Gas (in MMSCM)	Others	0	202.6

#### 6. Specific Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	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	Complied	Standard Operating Procedures for Drilling Operations have been developed and given to designated persons at all drilling Rigs/ sites. Awareness programs and Monitoring are done regularly.	N/A	

	site office. Remote monitoring of site should be done.				
2	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.	Agreed to Comply	Sites are not abandoned in general because either they are having flowing wells connected to the nearest GGS or they are kept for future developments. Agreed to comply in case of abandonment.	N/A	
3	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.	Complied	Blow out preventer (BOP) system is mandatorily installed on each well to prevent well blow out during drilling operations.	N/A	
4	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	Emergency Response Plan for H2S release is available. Disaster Management Plan and Site Specific contingency plan are in place. H2S detectors and breathing apparatus are available at rigs/Installati	N/A	
5	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.	Complied	Corrosion inhibitor dosing is done in areas where CO2 is generated from wells.	N/A	
6	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	Occupational Health surveillance is in practice as per existing corporate policy. All workers and employees are provided with required Personal Protective Equipment.	N/A	
7	No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.	Agreed to Comply	It is ensured that No pipeline is laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.	N/A	
8	The company shall comply with all the environmental protection measures and	Complied	All the recommendations made in the EIA/EMP in	N/A	

	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.		respect of environmental management, and risk mitigation measures relating to the project are being implemented at all drilling rigs.		
9	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	Acoustic enclosure are provided at all drilling rigs for the DG sets along with the adequate stack height as per CPCB guidelines.	N/A	
10	All the commitments made to the public during public hearing/consultation shall be satisfactorily implemented. As committed Rs. 8.77 crore shall be allocated for Corporate Environment Responsibility (CER) shall be utilized for meeting the commitment of the issues of public hearing. The CER plan shall be completed before commissioning or expansion project.	Agreed to Comply	It is planned to utilize committed sum of Rs. 8.77 crore within the stipulated time as per the directives of O.M. of MoEF&CC on CER.	N/A	
11	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	Zero liquid discharge is being ensured at all drilling rigs and no waste water is discharged to any surface body. Waste water is collected in HDPE lined pit for solar drying.	N/A	
12	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.	Complied	All the installations are equipped with online gas detector fixed in hazardous area for monitoring of H <sub>2</sub> S, Hydrocarbons or other hazardous gas. Portable multi gas detectors are also available at site	N/A	
13	Approach road shall be made pucca to minimize generation of suspended dust.	Complied	At every location, where the well is going to be drilled. Pucca Roads being constructed. Periodical repair & maintenance is carried out to control suspended dust.	N/A	
14	Total fresh water requirement shall not exceed 25 cum/day/well. Prior permission shall be obtained from the concerned	Complied	Fresh water consumption is restricted to 25 m <sup>3</sup> /day. Treated effluent	N/A	

	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 was		is used for brine preparation and mud is recycled to the maximum possible extent.		
15	Oil content in the drill cuttings shall be monitored and report & shall send to the Ministry's Regional Office.	Complied	Only water based mud is being used in drilling of wells. Waste water & cuttings are analyzed for oil & grease content by NABL accredited and GPCB approved agencies. Reports enclosed for reference.		
16	No lead acid batteries shall be utilized in the project/site.	Agreed to Comply	At present lead acid batteries are used for starting of the diesel engines, UPS and in control panel.	N/A	
17	Drill cuttings separated from drilling fluid shall be adequately washed and disposed in HDPE lined pit. Waste mud shall be tested for hazardous contaminants and disposed according to HWMH Rules, 2016. No effluent/drilling mud shall be discharged/disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR 546(E) dated 30th August, 2005.	Complied	Drilling waste water and drill cuttings wash water is collected in disposal pit lined with HDPE lining. Water Based mud is used and tested for hazardous contaminants. Found within permissible limits.		
18	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.	Complied	Oil spillage prevention scheme is in place. Spillages if any, are tackled conforming to guidelines and standards. Further, facility for insitu and exsitu bioremediation of oily sludge is in practice	N/A	
19	The company shall construct the garland drain to prevent runoff of any oil containing waste into the nearby water bodies.	Complied	Garland drain is constructed at every	N/A	

	Separate drainage system shall be created for oil contaminated and non-oil contaminated.		drillsite prior to the drill operation starts.		
20	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.	Complied	Disaster Management Plan and Site Specific contingency plan are in place. Vertical hot flaring is in practice. Ambient air quality monitoring is carried out and parameters are under permissible limit	N/A	

## 7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	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.	Agreed to Comply	So far, the compliance report has been submitted through mail. From now onwards the same will be updated on Parivesh portal.	N/A	
2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Complied	LED based lighting is being used	N/A	
3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied	Noise level is monitored regularly The overall noise levels in and around the rig area is well within the stipulated standards. The ambient noise levels also conform to the EP Rules, 1989.	N/A	
4	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	Complied	EC advertised in 2 newspapers "Indian Express" and "Gujarat Samachar" on 29.01.2021	N/A	

	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 loca		& also uploaded on <a href="https://www.ongcindia.com/clearance/">https://www.ongcindia.com/clearance/</a>		
5	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.	Agreed to Comply	Agreed to comply	N/A	
6	The environmental statement for each financial year ending 31 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.	Being Complied	Environment Statement for each financial year is being submitted regularly and the same will ensured in the future.	N/A	
7	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.	Complied	Sufficient funds are earmarked towards capital cost & recurring cost per annum. It is ensured that earmarked funds are not diverted for any other purpose.	N/A	
8	This Environmental clearance is granted subject to 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.	Agreed to Comply	Noted and will be complied if order at any stage.	N/A	
9	No further expansion or modifications in the plant, other than mentioned in the ETA 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	Agreed to Comply	No further expansion or modification will be done without approval and the relevant conditions will be complied.	N/A	

	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 en				
10	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied	An advertisement regarding grant of EC has been published in two newspapers i.e. "Indian Express" and "Gujarat Samachar" on 29.01.2021	N/A	
11	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.	Agreed to Comply	For socio-economic welfare in the nearby area sufficient measures are undertaken in CSR. CER activities are also planned and will be implemented as per MoEF&CC O.M, during the project duration.	N/A	

I ' OIL AND NATURAL GAS CORPORATION LIMITED ' hereby give undertaking that the specific / general condition is entered by me is correct.

**E-Sign**

**OIL AND NATURAL GAS CORPORATION LIMITED**

**Date : 26 Jul 2022 16:47:09:840**

**\*\*Note : N/A - Not Available**

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