

COMPLIANCE REPORT

Name of the Project: Drilling of 15 exploratory wells by M/s Oil and Natural Gas Corporation Ltd in Nohta-Damoh-Jabera PML Block, Nindhyan Basin, District Damoh (Madhya Pradesh).

Clearance letter No: J-11011/513/2017-IA II (I) dated: 27th December, 2019

Period of Compliance: 01, April 2020 to 30, September 2020.

Specific Conditions:

Sl.No.	Conditions	Compliance Status
A. SPECIFIC CONDITIONS		
i.	No drilling will be carried out in Protected Areas/Forest area	Will be complied all well locations selected will be in non-forest area within the block.
ii.	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied before initiating drilling work at selected locations.
iii.	Total fresh water requirement shall not exceed 20 cum/day/well proposed to be met through tankers/ground water. Mobile ETP shall be installed coupled with RO to reuse the treated water in drilling system. Size of the waste shall not exceed from the hole volume of the well + volume of drill cutting expected to be generated 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.	To be complied during drilling operations. Water requirement for the operation (for a period of around 60-90 days per well) will be met by transporting water from nearby sources through tankers by contractor.
iv.	No lead acid batteries shall be utilized in the project/site.	Will be complied
B. General Conditions		
I. Statutory Compliance		
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, if drilling is carried in Forest areas.	Not applicable as no exploratory wells proposed within forest area.
ii.	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 from the concerned State pollution Control Board/ Committee.	Consent to Operate (CTO) obtained from Madhya Pradesh Pollution Control Board (MPPCB) for well no. NOAE at plot no. 451/1, 453, 454, 455, 456, 457, Vill- Patti Bhajia, Tal-Jabera, Dist-Damoh vide letter no. 116983 valid upto 30/04/2021.

iii.	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	To be complied before initiating drilling work at each selected locations..
iv.	The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, as applicable.	Not applicable as no well locations falling within any CRZ area.

II. Air Quality Monitoring and Preservation

i.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.	To be complied after commencement of drilling activities at selected locations.
ii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Will be Complied operations start.
iii.	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC ect.	Will be complied operations start.
iv.	During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored.	Will be complied during operations.
v.	The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.	Will be complied.
vi.	Approach road shall be made pucca to minimize generation of suspended dust.	To be complied before initiating exploratory drilling work at selected locations.

III. Water Quality Monitoring and Preservation

i.	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. Domestic sewage shall be disposed off through septic tank/soak pit.	To be complied during exploratory drilling activities at selected locations.
ii.	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.	To be complied during exploratory drilling activities at selected locations.
iii.	The company shall construct the garland drain all around the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly	Will be complied before drilling activities at selected locations. No surface runoff will be allowed to discharge in any surface water bodies.

	treated and treated wastewater shall conform to CPCB standards.	
iv.	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/drill cutting 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.	To be complied during exploratory drilling activities at selected locations. A HDPE/paved lined pit will be constructed on each drilling site to collect and dispose waste drilling mud..
IV. Noise Quality Monitoring and Preservation		
i.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied
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.	To be complied during exploratory drilling activities at selected locations.
iii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Ambient Noise level monitoring has been conducted at 6 locations near proposed wells.
V. Energy Conservation Measures		
i.	The energy sources for lighting purposes shall preferably be LED based.	To be complied during exploratory drilling activities at selected locations.
VI. Waste Management		
i.	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.	ONGC has oil spill contingency plan for exploratory drilling activities.
ii.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to the Ministry's Regional Office.	To be complied during exploratory drilling activities. Only water based mud is used.
VII. Safety, Public Hearing and Human Health Issues		
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	ONGC has emergency preparedness plan for exploratory drilling activities and will be complied during drilling activities.
ii.	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during drilling shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Will be complied during exploratory drilling activities.

iii.	Company 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. The Drilling Rig is ISO certified. (ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007)
iv.	On completion of drilling, the company has to plug the drilled wells safety and obtain certificate from environment safety angle from the concerned authority.	Will be complied after completion of every well.
v.	The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored the area in original condition. In the event that no economic quantity of hydrocarbon is found a full abandonment plan shall be implemented for the drilling site in accordance with the applicable Indian Petroleum Regulations.	In case of no economic quantity of hydrocarbon is found, well will be abandoned and well closure plan will be implemented and site will be restored to the original condition as far as possible.
vi.	The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Possibility of using ground flare shall be explored. At the place of ground flaring, the overhead flaring stack with knockout drums shall be installed to minimize gaseous emissions during operation.	To be complied during exploratory drilling activities
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied.
viii.	The company 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.	ONGC has contingency plan for H2S release and necessary arrangements in accordance with the plan will be made available.
ix.	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	To be complied during exploratory drilling activities at selected locations.
x.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied

xi.	The Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.	Will be Complied
VIII. Corporate Environment Responsibility		
i.	As proposed, Rs. 9 crores shall be allocated for Corporate Environment Responsibility (CER). The CER plan shall be implemented during the plant construction stage and before commissioning of the project.	To be complied during exploratory drilling activities.
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/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 this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	ONGC is having environmental policy.
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.	ONGC have separate section of environment with qualified and experienced experts to look after EHS aspects of the project.
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.	To be complied
v.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	To be complied after commencement of exploratory drilling activities
IX. Miscellaneous		
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.	Complied.

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.	Complied
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.	Complied
iv.	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.	Complied
v.	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 put on the website of the company.	To be complied
vi.	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.	To be complied
vii.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office.	To be complied after completion of exploratory drilling activities at selected locations.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Will be followed
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.	Will be followed
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Will be followed

xi.	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.	Agreed
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Note: The project has just started one drill-site has been prepared for drilling and men, material and machines are yet to transported to the site for drilling to start.

(AMIT KUMAR SAKSENA)
DGM(Chem.) – I/c-HSE,
Frontier Basin,
ONGC, Dehradun.