

**LATEST STATUS OF COMPLIANCE OF Environment CLEARANCE FOR Onshore development and production of Oil and Gas from 72 wells  
in EG, WG and Krishna Districts of A.P.  
FOR THE PERIOD FROM Oct, 2020 to March, 2021  
REF NO.J-11011/173/2015-IA-II(I), DATED 31<sup>TH</sup> October 2018.**

S.NO.	CONDITION	COMPLIANCE STATUS
i.	Consent to Establish/operate for the project shall be obtain from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the water (Prevention and control of Pollution) Act, 1974.	Necessary Consent to Establish/Operate is being obtained from State Pollution Control Board as per the Statutory Requirements.
ii.	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.	Development Wells: Drill Cuttings are collected in HDPE lines Waste Pits Drilling Effluent is reused for washing purposes and treated in ETP prior to collection in waste pit. Production Installations: The produced water after treatment and conforming to the prescribed standard is being discharged into subsurface well. Utmost planning is done to ensure recycling and reuse of water in use. At Kesanapalli GGS Marine Disposal is done as per the CRZ clearance.
iii.	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guide lines.	The gaseous emissions is being dispersed through stack of adequate height as per CPCB/SPCB guide lines.
iv.	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.	Necessary Consent Orders are obtained from Andhra Pradesh Pollution Control Board and Annual returns for Hazardous Waste (Form-IV) is submitted to PCB.
v.	Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 for PM10, PM2.5, SO2, NOx, CO, CH4, HC, Non- Methane HC etc.	Ambient Air Quality is monitored regularly by hiring services.
vi.	During exploration, production, storage and handling, the	Multi-Gas detectors are being used at site to check any fugitive emissions.

	fugitive emission of methane, if any, shall be monitored using Infra-red camera/appropriate technology.	
vii.	The project proponent also to ensure tapping/storing of the CO2 generated, if any, during the process and handling.	Adequate plantation is carried out for tapping/storing of the CO2.
viii.	Approach road shall be made pucca to minimize generation of suspended dust.	Complied
ix.	The company 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. Also Noise Monitoring is done regularly.
x.	Total fresh water requirement shall not exceed the proposed quantum of 25 cum/day, and prior permission shall be obtained from the concerned regulatory authority.	Complied
xi.	The company shall construct the garland drain all around the drilling site to prevent runoff of any Oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated waste water shall conform to CPCB standards.	Yes, Ring Bund with 1 m Height and 1 m width is being constructed around the drill site.

xii.	Drill cuttings separated from drilling fluid shall be adequately washed 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 G.S.R.546(E) dated 30 <sup>th</sup> august, 2005.	Due care is taken in handling of Drill Cuttings and Drilling Fluid. Disposal of solid waste is as per the statutory guidelines.
xiii.	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 and Spent/Burnt Oil are disposed off to the authorized recyclers
xiv.	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.	Necessary measures are taken for preventing any hazard.
xv.	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 H2S contingency plan and all necessary PPEs are provided to personnel working at sites.
xvi.	The company shall carryout long term subsidence study by collecting baseline data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional office.	Complied. Copy enclosed.

xvii.	Blowout preventer system shall be installed to prevent well blowouts during drilling operations. BOP measures during shall focus on maintaining well bore hydrostatic pressure by proper pre-well planning and drilling fluid logging etc.	Complied.
xviii.	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India.	Complied. Copy enclosed
xix.	The company shall take measures after completion of drilling process by well plugging and secure d 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.	Complied.
xx.	All the commitments made to the public during public hearing/consultation shall be satisfactorily implemented.	ONGC is engaged with locals in addressing various issues through various CSR activities.
xxi.	At least 1.5% of the total project cost shall be allocated for Corporate Environment Responsibility(CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional office.	Rs. 24.99 Crores –Installation of 5 MW Solar Power Plant at Tatipaka, East Godavari, A.P. Rs. 10 Lakhs- Environment Quality Monitoring  Rs. 2 lakhs- Plantation of Saplings  Rs. 3 Lakhs-Environment Awareness Program Above activities are already executed.
xxii.	Occupational health surveillance of the workers shall be carried out as per the prevailing Acts and Rules.	Complied.
xxiii.	Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office.	Restoration of the project site is carried out as per the "Site Restoration Plan" and is undertaken when the site is abandoned.
xxiv.	Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent the Ministry's Regional Office.	Complied.
xxv.	An audit shall be done to ensure that the Environment Management Plan is implemented in totality and report shall be submitted to the Ministry's Regional Office.	Various internal and external audits are done and observations are complied with to ensure both the Safety and Environment Management is implemented effectively.

xxvi.	Company shall have own Environment Management Cell having qualified persons with proper background.	A dedicated Health Safety & Environment Management set up headed by GM (D) is available for the Asset.
xxvii.	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 the site should be done.	Standard Operating Procedures are available for all operational activities. Awareness with respect to the safety and environment are regularly created at each level of management. All monitoring reports are available at site office and also base office.
xxviii.	On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.	Complied.

<b>GENERAL CONDITIONS</b>		
i.	The project authorities must strictly adhere to the stipulations made by the Andhra State Pollution Control Board and the State Government.	Stipulations made by the Andhra State Pollution Control Board and the State Government being followed
ii.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Shall be complied
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the 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.	Complied.
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide GSR No. 826€ dated 16 <sup>th</sup> November, 2009 shall be complied with.	Complied.
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime)	Except 1 m around the DG Set the noise levels are within the permissible limits. Personnel having intermittent exposure to 1 m radius of DG Sets are protected with ear muffs. The resultant exposure to noise levels is within the permissible limits.

	and 70 dBA (nighttime).	
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Rainwater Harvesting is adopted in all buildings of various work centers of ONGC Rajahmundry Asset
vii.	Training shall be imparted to all employees on safety and health aspects of chemical 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.	MVT is imparted to all employees on all safety and health related topics. Also PME is undertaken on regular basis for all the employees.
viii.	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, risk mitigation measures and public hearing shall be implemented.	ONGC is committed for taking up environmental protection measures and safeguards as proposed and complying with all the recommendations made in EIA/EMP.
ix.	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villagers, administration.	ONGC is undertaking various CSR activities in the surrounding villages keeping in view for the improvement of socio-economic conditions.
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	ONGC is undertaking various eco-development CSR activities in the surrounding villages such as provision of Safe drinking water, construction of toilets under swatch bharat abhiyan, tree plantation etc.
xi.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the MoEFCC 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.	Adequate funds both recurring and non-recurring available to implement the conditions stipulated by the Ministry of Environment and Forests
xii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Wide publicity given to EC letter. The clearance letter also put on ONGC website
xiii.	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 MoEFCC, the respective Zonal office of CPCB and SPCB. A copy of	Complied.

	Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	
xiv.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 by e-mail.	Environment Statement in Form V is being submitted to APPCB and by e mail to Regional office of MoEF.
xv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/committee and may also be seen at Website of the Ministry at <a href="http://moef.nic.in">http://moef.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.	The EC letter is published in the News Papers both in English and Telugu languages for the information to all concerned. The clearance letter is also put on ONGC website.
xvi.	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.	ONGC intimates DGMS in stipulated formats during the opening and closing of mines as per Oil Mines Regulations-2017