

State Level Environment Impact Assessment Authority, Tripura

State Level Expert Appraisal Committee, Tripura

No.F.8 (25)/TSPCB/SEAC/2023/ONGC/1381-87

Date: 30/12/2023

To
The General Manager
M/s Oil and Natural Gas Corporation Limited
ONGC Tripura Asset, Badharghat Complex
Agartala, 799014

Sub: Environmental Clearance Certificate for "Drilling and exploratory location **KUAO**" falling in Mouja- Radhakishore nagar, Tehsil-khayerpur, Revenue Circle- Jirania, Sub- Divison- Jirania, District – West Tripura.

Sir,

This has reference to your Online Proposal No SIA/TR/IND2/448586/2023 seeking environmental clearance under EIA Notification, 2006 for the above mentioned project.

2. The State Level Expert Appraisal Committee (SEAC), Tripura has examined the application. It is noted that the proposal is for environmental clearance for Drilling and exploratory location **KUAO** with latitude (N): 23°51'29.853", longitude (E): 91°19'56.098" of Mouja- Radhakishore nagar, Tehsil-khayerpur, Revenue Circle- Jirania, Sub- Divison- Jirania, District – West Tripura.

The proposed project falls under Item 1(b) of the Schedule of the EIA Notification 2006. The Proposal has been examined and processed in accordance with EIA Notification, 2006 & its amendments thereof.

The State Level Expert Appraisal Committee (SEAC), Tripura has examined the proposal in the meeting held on 26/12/2023. SEAC, Tripura has recommended for issue of Environmental clearance for proposed "Drilling and exploratory location **KUAO**" falling in Mouja- Radhakishore nagar, Tehsil-khayerpur, Revenue Circle- Jirania, Sub- Divison- Jirania, District – West Tripura by stipulating the specific terms and conditions. The project activities of **KUAO** drilling and exploratory location will be restricted within 2.132 Hectare only. If M/s Oil and Natural Gas Corporation Limited (ONGC) intends to continue their drilling activity beyond 2.132 Ha, proposal will have to submit to SEAC, Tripura along with all the requisites for modification of the instant Environmental Clearance Certificate for location **KUAO** under Mouja- Radhakishore nagar, Tehsil-khayerpur, Revenue Circle- Jirania, Sub- Divison- Jirania, District – West Tripura.

On the basis of the information provided by the Project Proponent and recommendation of the State Level Expert Appraisal Committee (SEAC), Tripura for "Drilling and exploratory location **KUAO**" of M/s Oil and Natural Gas Corporation Limited, ONGC Tripura Asset, Badharghat Complex, Agartala, 799014, Environmental clearance is hereby issued to above mentioned Drilling & exploratory location **KUAO**, subject to implementation of the following specific and general conditions for a validity of 5 (five) years from the date of issuance of the EC.

Terms and Conditions

On the basis of recommendation of State Level Expert Appraisal Committee (SEAC), Tripura, the State Environment Impact Assessment Authority (SEIAA), Tripura hereby considers environmental clearance to the above, project under the provisions of EIA Notification, 2006 subject to compliance of the following Specific and General Conditions.

Specific Conditions:

- 1) Consent to Establish/Operate for the project shall be obtained from the Tripura 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.
- 2) 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.
- 3) 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 guidelines.
- 4) The power requirement of the drilling rig will be met by using the diesel generator sets. The D.G sets shall be provided with acoustic enclosures and adequate stack height and design as per CPCB norms. The fuel used for the diesel generator sets should be low sulphur diesel and should conform to relevant Rules prescribed for air and noise emission standards.
- 5) 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.
- 6) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- 7) 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, PM_{2.5}, SO₂, NO_x, CO, CH₄, HC, Non-methane HC etc.
- 8) The water requirement per well location is estimated to be 25 cum/day proposed to be met mostly through tankers and/or nearby existing source of water. Waste water generated would be 15 cum/day during drilling operations, out of which 10 cum/day is proposed to be recycled after treatment to the desired extent. Remaining of about 5 cum/day shall be discharged to HDPE lined evaporation pit, available at site and then solar dried.
- 9) 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 wastewater shall conform to CPCB standards.

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- 10) 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 Hazardous Waste Management & Handling (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.
- 11) 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.
- 12) 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 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.
- 13) Oil content in the drill cuttings shall be monitored by some Authorized agency and report shall be sent to Tripura State Pollution Control Board on monthly basis.
- 14) At least 2% of the total Cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) and used for installation of RO plant for drinking water supply and solar panels in nearby villages. Implementation of such program shall be ensured accordingly in a time bound manner.
- 15) Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. 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.
- 16) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 17) 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.
- 18) 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.
- 19) Embankment should be constructed wherever required in places where dumping of wastes/effluents adjacent to human habitat, water bodies, paddy field etc and also the drinking water sources and marshy lands should not be disturbed.

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20) Before starting of the civil work, site plan showing different component in the contour map must be submitted and also the entire execution plan should be submitted to the SEAC, Tripura.

General Conditions:-

- 1) The project authorities must strictly adhere to the stipulations made by the Tripura State Pollution Control Board, State Government and/ or any other statutory authority.
- 2) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Tripura. In case of expansion or alterations in the project activities, a proposal shall be made to the SEAC, Tripura to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- 3) During Drilling process inspection will be conducted by SEAC.
- 4) The locations of ambient air quality monitoring stations shall be decided in consultation with the Tripura State Pollution Control Board.
- 5) 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.
- 6) 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 Environment (Protection) Act, 1986 viz. 75 dBA (day time) and 70 dBA (night time).
- 7) 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 operation, within the plant.
- 8) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- 9) The company shall undertake all measures for improving socio-economic conditions or the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.
- 10) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- 11) 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.

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- 12) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO. If any, from whom suggestions/ representations, if any, were received while processing the proposal.
- 13) 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 Tripura State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- 14) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the Tripura 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/organisation along with the status or compliance of environment clearance conditions.
- 15) The project proponent shall inform the public that the project has been accorded environmental clearance from the SEIAA, Tripura 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 which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Tripura State Pollution Control Board.
- 16) The SEIAA, Tripura may revoke or suspended the environmental clearance, if implementation of any of the above conditions is not satisfactory.
- 17) The above conditions will be enforced, inter-alia under the provisions of the Water Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 18) The SEIAA, Tripura reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.


Member Secretary
State Level Environment Impact
Assessment Authority (SEIAA), Tripura

Copy to:

1. PA to the Chairman, Tripura State Pollution Control Board.
2. The Chairman, SEIAA, Tripura.
3. The Chairman, SEAC, Tripura.
4. Regional Office (NEZ), MoEF&CC, Shillong, Meghalaya-793021.
5. Member Secretary, TSPCB.
6. Secretary, SEAC, Tripura.