



सत्यमेव जयते

File No: EN/T-II-1/082/2024
Government of India
Ministry of Environment, Forest and Climate
Change
(Issued by the State Environment Impact
Assessment Authority(SEIAA), WEST BENGAL)



Dated 12/07/2024



To,

HSE MBA BASIN
ONGC, MBA Basin Technopolis Building Block BP-4, Sector-V Salt Lake, Kolkata-91 , Salt Lake, 24
PARAGANAS NORTH, WEST BENGAL, Technopolis Building, 700091
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Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Proposed Onshore Exploratory drilling of 04 wells in Bengal Onshore OALP-V Block BP-ONHP-2019/2 situated in the districts of East Medinipur and West Medinipur, West Bengal By M/s. ONGC Limited, MBA Basin submitted to Ministry vide proposal number SIA/WB/IND2/463255/2024 dated 24/02/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0302WB5154647N
(ii) File No.	EN/T-II-1/082/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(b) Off-shore and onshore oil and gas exploration, development and production Proposed Onshore Exploratory drilling of 04 wells in Bengal Onshore OALP-V Block BP-ONHP-2019/2 situated in the districts of East Medinipur and West Medinipur, West Bengal By M/s. ONGC Limited, MBA Basin
(vii) Name of Project	HSE MBA BASIN
(viii) Name of Company/Organization	MEDINIPUR WEST, WEST BENGAL
(ix) Location of Project (District, State)	SEIAA
(x) Issuing Authority	no
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority(SEIAA) under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority(SEIAA) in the meeting held on 21/06/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.
5. The brief of the project as submitted by the Project proponent are as follows : This is a proposal for Onshore Exploratory drilling of 04 wells in Bengal Onshore OALP-V Block BP-ONHP-2019/2 situated in the East Medinipur and West Medinipur Districts of West Bengal. Salient features of the proposed project as uploaded by the PP in the PARIVESH Portal are as follows

Proposed Project Proposed Onshore Exploratory drilling of 4 wells in Bengal Onshore OALP-V Block BP-ONHP-2019/2 situated in East Medinipur and West Medinipur districts, West Bengal by M/s. ONGC Limited

Project Proponent M/s. Oil and Natural Gas Corporation Limited (ONGC)

Name of blocks OALP-V Block BP-ONHP-2019/2

Area of block 3009.42 Sq.Km

Project Location Block BP-ONHP-2019/2 situated in East Medinipur and West Medinipur districts, West Bengal

Coordinates of the Block

Sl.No.	Latitude	Longitude
1	22° 40' 00"	87° 30' 00"
2	22° 40' 00"	88° 00' 00"
3	22° 30' 00"	88° 00' 00"
4	22° 30' 00"	87° 50' 00"
5	22° 20' 00"	87° 50' 00"
6	22° 20' 00"	87° 30' 00"
7	21° 40' 00"	87° 30' 00"
8	21° 40' 00"	87° 20' 00"
9	22° 30' 00"	87° 20' 00"
10	22° 30' 00"	87° 30' 00"

Block	Well	Latitude	Longitude	District	Block	Village
OALP-V Block BP-ONHP-2019/2	EC-1	22°33'46.79"N	87°39'27.23"E	West Medinipur	Daspur	Hosenpur
	EC-2	22°24'46.27"N	87°45'34.83"E	East Medinipur	Panskura	Kaliswar
	EC-3	22°18'26.06"N	87°25'28.60"E	West Medinipur	Kharagpur	Barogobindo
	EC-4	21°55'42.57"N	87°26'54.24"E	West Medinipur	Jahalda	Kiphatpur

*N. B: the well location is tentative and will be finalised before filing of CTE application.

Average elevation 18 m

Number of Wells & Type 4 nos. of Exploratory wells

Category of the Project As per the Amendment in EIA Notification 2006 vide S.O. no. 236 (E) dated 16/01/2020 S. No. 1 (Mining, extraction of natural resources and power generation), Project activity "1 (b)"- Offshore and onshore oil and gas exploration, development & production; Category-B2

Product & Quantity Drilling of 4 nos. of exploratory wells within OALP-V Block BP-ONHP-2019/2 to a maximum depth of 3500-5000 m

Duration of Drilling 90-150 days

Test flaring, duration 4-6 days per well

Raw Materials &There will be no raw material required for exploratory drilling. However, water based

quantity	drilling mud will be used and Quantity of drilling fluid- 170 -250 m ³ /well (Drilling mud will be disposed of in accordance with Notification & CPCB guidelines dated April, 2021 - S.R 72 point no C, Pg. 311 -313. "Guidelines for Disposal of Solid Waste, Drill Cutting and Drilling Fluids for Offshore and Onshore Drilling Operation").
Land Area	For each well site during drilling required area will be 150m x 150m i.e. 5.5 acres OR 2.25 HA, including site facilities and for camp site
Type of Drilling Mud	Water based drilling fluid
Quantity of drill cutting	200-450 Ton (approx.) per well. (Drill Cutting and drilling mud will be disposed of in accordance with Notification & CPCB guidelines dated April, 2021 - S.R 72 point no C, Pg. 311 -313. "Guidelines for Disposal of Solid Waste, Drill Cutting and Drilling Fluids for Offshore and Onshore Drilling Operation").
Water requirement and source	Total Water Requirement for each well: 22 KLD (Domestic: 3 KLD; Drilling water consumption for mud preparation: 12 KLD; Jet wash – washing of drill cuttings at shale shaker: 1.5 KLD/well; Preparation of cementing materials: 4 KLD/well; General housekeeping/ washing: 1.5 KLD/well) Surface water will be utilized and will be transported by contractual water tankers on a weekly basis.
Waste Water generation	Drilling and rig wash Wastewater- 6 KLD/well Domestic Wastewater (Sewage) - 2.5 KLD/well
Water Pollution Control System	During drilling operations, approximately 6 KLD of drilling waste water will be generated during the entire period as a result of rig wash, effluents from washing of drill cuttings, floor washings etc. The rig wash water and drilling wastewater generated will be stored in waste pit for solar drying and the residual wastewater present in the waste pits will be recycled and reused during drilling phase after treatment in Mobile ETP. Domestic waste water generated (about 2.5 KLD) will be treated through septic tank soak pit arrangement.
Power Requirement & source	Power requirement per rig will be about 2.50 - 3.80 MW. Power requirements during site preparation and drilling phase will be met by 4 No of DG Sets of 1430 KVA each (3 working and 1 standby).
Manpower requirement	Total Manpower: 12-15 during (Construction Phase) and during Operational Phase around 30 ONGC employees & 30 contingent workers from local area.
Air Pollution Control System	Particulate Matter (PM), Sulphur and Nitrogen dioxides (SO ₂ and NO ₂) from DG sets operation and adequate stack height will be proposed.
Noise generation control measures	&The source of noise generation during this phase of operations would be the operation of rig and diesel generator sets. The noise generation work however is transient and limited to the drilling period only. However, acoustic enclosures will be fitted with DG sets to control the noise levels and necessary PPEs will also be provided.
Area for Greenbelt	The periphery around the drill site of approximate dimensions 150 m x 150 m is necessarily planted with local saplings (approximately 120 saplings) and thereafter maintained till the rig moves to the next location after 90 to 150 days of operations. The plantation remains and if no oil or gas is discovered the entire land is restored back to its near original agricultural condition before formal derequisition of the leased land back to the district authorities.
Corporate Environmental Responsibility along with fund allocation	ONGC-MBA Basin proposed to allocate INR 1.60 Crore towards Corporate Environmental Responsibility (CER) within the OALP-V Block BP-ONHP-2019/2 for a period of 3 years (2024-2027) as per as per Office Memorandum of MoEF&CC vide F.No 22-65/2017-IA.III Dated 01.05.2018 and F.No. 22-65/2017.IA.III dated 30.09.2020.
Project Cost	INR 120 Crore for 4 nos. of exploratory wells.
Pollution Control Cost	Capital Cost: 76 Lacs for each well; Recurring Cost: 15 Lacs/Well.

6. The SEIAA, in its meeting held on 21/06/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in

Annexure (1).

7. The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Expert Appraisal Committee (SEAC) hereby decided to grant EC for instant proposal of M/s. ONGC Limited, HSE MBA Basin under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. This issues with the approval of the Competent Authority.

Annexure 1

Standard EC Conditions for (Off-shore and onshore oil and gas exploration, development and production)

1. Specific Conditions

S. No	EC Conditions
1.1	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.
1.2	No pipelines or its part shall be laid in the Forest land/Protected Area without prior permission/approval from the Competent Authority.
1.3	Total fresh water requirement shall not exceed 39 m ³ /day will be met from groundwater. Prior permission shall be obtained from the concerned regulatory authority.
1.4	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. 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.
1.5	During production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
1.6	The project proponent also to ensure trapping/storing of the CO ₂ generated, if any, during the process and handling.
1.7	Approach road shall be made pucca to minimize generation of suspended dust.
1.8	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

S. No	EC Conditions
	CPCB guidelines.
1.9	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.
1.10	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 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.
1.11	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.
1.12	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.
1.13	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.
1.14	Blow Out Preventer system shall be installed to prevent well blowouts during drilling operations.
1.15	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.
1.16	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 centers/ support in nearby village's schools, support in health care 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 to be completed within time as proposed.
1.17	No lead acid batteries shall be utilized in the project/site.
1.18	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.
1.19	Oil content in the drill cuttings shall be monitored and report & shall sent to the Ministry's Regional Office.

S. No	EC Conditions
1.20	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.
1.21	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

2. General Conditions

S. No	EC Conditions
2.1	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.
2.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
2.3	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).
2.4	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.
2.5	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.
2.6	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.
2.7	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

S. No	EC Conditions
	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.
2.8	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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
2.9	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 https://parivesh.nic.in/ . 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.
2.10	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.
2.11	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.

3. Nbwl Conditions

S. No	EC Conditions
3.1	The environmental clearance is subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife, as applicable, as per the Ministry's OM dated 8th August, 2019. Grant of environmental clearance does not necessarily imply that Wildlife Clearance shall be granted to the project and that their proposal for Wildlife Clearance will be considered by the respective authorities on its merit and decision taken. PP shall also strictly follow the conditions mentioned in existing NBWL clearance.
3.2	The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.

Additional EC Conditions

A. Specific conditions:-

- i) No drilling shall be carried out in Protected Areas/forest area.
- ii) Approach road shall be made pucca to minimize generation of suspended dust.
- iii) Total water requirement shall not exceed 22 KLD/well proposed to be met through tankers. 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.

iv) No lead acid batteries shall be utilized in the project/site.

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.

(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 State pollution Control Board.

(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.

(iv) The project proponent shall obtain and adhere to statutory clearance under the Coastal Regulation Zone Notification, 2011, if applicable.

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.

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.

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, NO_X, CO, CH₄, HC, Nonmethane HC etc.

iv) During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored.

v) The project proponent also to ensure trapping/storing of the CO₂ generated, if any, during the process and handling.

vi) Approach road shall be made pucca to minimize generation of suspended dust.

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.

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.

iii) The project proponent 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.

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 project proponent 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.

IV. Noise monitoring and prevention

i) Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

ii) The overall noise levels in and around the drilling location areas shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.

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.

V. Energy Conservation measures

i) The energy sources for lighting purposes shall preferably be LED based.

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.

ii) Oil content in the drill cuttings shall be monitored by Authorized agency and report shall be sent to the State Environment Impact Assessment Authority.

VII. Safety and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster

Management Plan shall be implemented.

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.

iii. 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.

iv. On completion of drilling, the project proponent should plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority.

v. The project proponent 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.

vi. The project proponent 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.

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.

viii. 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

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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

x. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

xi. The project proponent 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 of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board.

VIII. Environment Management Plan (EMP)

i) The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.

ii) Need based activities for local people is part of the EMP. Details of such activities submitted by the project proponent is given in Annexure-2.

iii) 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 Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board as a part of six-monthly report.

iv) 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 report to the head of the organization.

v) 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.

vi) Year wise progress of implementation of action plan shall be reported to the Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board along with the Six-Monthly Compliance Report.

vii) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

IX. Additional conditions

1) Short term need-based activities to be identified and implemented. Name of the beneficiaries should be displayed at site.

X. Miscellaneous

- i) The environmental clearance accorded shall be valid for a period of 10 years for the proposed project or till the exploration period whichever is earlier.
- ii) This is EC issued for exploratory wells only and those wells shall not be converted to production wells without prior permission from State Environment Impact Assessment Authority.
- iii) 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.
- iv) 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.
- v) 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.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions to Ministry of Environment, Forests & Climate Change / State Environment Impact Assessment Authority / State Pollution Control Board.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the State Environment Impact Assessment Authority, 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.
- ix) Restoration of the project site shall be carried out satisfactorily and report shall be sent to the State Environment Impact Assessment Authority.
- x) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xi) The project proponent shall abide by all the commitments and recommendations made in the EMP report and also that during their presentation to the State Expert Appraisal Committee.
- xii) No further expansion or modifications in the project shall be carried out without prior approval of the State Environment Impact Assessment Authority.
- xiii) The State Environment Impact Assessment Authority / State Pollution Control Board shall monitor compliance of the stipulated conditions.
- xiv) The project authorities should extend full cooperation to the officer(s) of the State Environment Impact Assessment Authority / State Pollution Control Board by furnishing the requisite data / information/monitoring reports.
- xv) The State Environment Impact Assessment Authority reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The State Environment Impact Assessment Authority may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
- xvi) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xvii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

NEED BASED ACTIVITIES FOR LOCAL PEOPLE

Sl. No.	CER Activities	Talika/Tehsil	Unit (Number)	Unit Cost (In Lacs INR)	Cost Allocation (INR Lacs)	CER Budget (In Lacs INR)		
						Y1	Y2	Y3
1	Safe drinking water supply through installation of RO plant (Capacity 1000 Liter/ day)	Kolaghat	1	5	5	1.67	1.67	1.67
		Ghatal	1	5	5	1.67	1.67	1.67
		Debra	1	5	5	1.67	1.67	1.67
		Egra	1	5	5	1.67	1.67	1.67
	Total		4		20	6.67	6.67	6.67
2	Sanitation facility (Construction of Community Toilets with Septic Tank and Soak pit, Construction of Individual Household Latrines (IHHLs), Individual Sanitation in Rural Areas	Kolaghat	1	10	10	3.33	3.33	3.33
		Ghatal	1	10	10	3.33	3.33	3.33
		Debra	1	10	10	3.33	3.33	3.33
		Egra	1	10	10	3.33	3.33	3.33
	Total		4		40	13.33	13.33	13.33
3	Procurement of Medical Equipments, Strengthening of Eye Care Infrastructure and providing Mobile Medical Ambulance in the Rural Health Centre, Financial Assistance for Crusade Against Thalassemia etc	Kolaghat	1	15	15	5.00	5.00	5.00
		Ghatal	1	15	15	5.00	5.00	5.00
		Debra	1	15	15	5.00	5.00	5.00
	Total		3		45	15.00	15.00	15.00
4	Installation of Deep Bore Wells with High Platform in villages	Kolaghat	2	2	4	1.33	1.33	1.33
		Ghatal	1	2	2	0.67	0.67	0.67
		Debra	1	2	2	0.67	0.67	0.67
		Egra	1	2	2	0.67	0.22	0.07
	Total		5		10	3.33	2.89	2.74
5	Promoting Eco-friendly behaviour through use of Green Energy in 2 schools	Kolaghat	1	2	2	0.67	0.67	0.67
		Ghatal	1	2	2	0.67	0.67	0.67
		Debra	1	2	2	0.67	0.67	0.67
		Egra	1	2	2	0.67	0.67	0.67
	Total		4		8	2.67	2.67	2.67
6	Skill development of local people for enhancing their livelihood opportunities, etc. (Vocational Training centres, Graham Bell Centre for the Deaf, etc.) of unskilled villagers	Kolaghat	1	8	8	2.67	2.67	2.67
		Ghatal	1	10	10	3.33	3.33	3.33
		Debra	1	10	10	3.33	3.33	3.33
		Egra	1	10	10	3.33	3.33	3.33
	Total		4		38	12.67	12.67	12.67
	Total				161	53.67	53.22	53.07
	Grand Total							160.0

Source:ONGC,MBA

CER Summary	Value (Crore INR)
Total Project cost (Crore INR)	120
Total CER cost (3 years) (Crore INR)	1.60
CER cost per year (Crore INR)	0.53