ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), WEST BENGAL)

To,

The General Manager

HSE MBA BASIN

4th Floor, HSE Section, ONGC, Technopolis Building Block BP-4, Sector-V Salt Lake , Kolkata-700091 -700091

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/WB/IND2/433074/2023 dated 17 Aug 2023. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B002WB159097**
2.	**File No.**	EN/T-II-1/499/2023
3.	**Project Type**	New
4.	**Category**	B
5.	**Project/Activity including Schedule No.**	1(b) Offshore and onshore oil and gas exploration, development & production
6.	**Name of Project**	Proposed Onshore Exploratory drilling of 08 wells in Bengal Onshore OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur Districts of West Bengal By M/s. ONGC Limited, MBA Basin
7.	**Name of Company/Organization**	HSE MBA BASIN
8.	**Location of Project**	WEST BENGAL
9.	**TOR Date**	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 13/12/2023

(e-signed)
DHARMDEO RAI, I.F.S.
Member Secretary
SEIAA - (WEST BENGAL)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

This is a computer generated cover page.

Environmental Clearance for the proposed Onshore Exploratory drilling of 08 wells in Bengal Onshore OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur Districts of West Bengal by M/s. Oil & Natural Gas Corporation Limited.

Background of the project

The proponent made online application vide proposal no. SIA/WB/IND2/433074/2023 dated 17 August 2023 seeking Environmental Clearance (EC) under the provisions of the EIA Notification, 2006 for the proposed Onshore Exploratory drilling of 08 wells in Bengal Onshore OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur Districts of West Bengal by M/s. Oil & Natural Gas Corporation Limited**.**

The proposal is for Onshore Exploratory drilling of 08 wells in Bengal Onshore OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur Districts of West Bengal.

Salient features of the proposed project as per PARIVESH Portal are as follows –

<table>
<tr><td>Proposed Project</td><td>Proposed Onshore Exploratory drilling of 08 wells in Bengal Onshore OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur districts, West Bengal by M/s. ONGC Limited</td></tr>
<tr><td>Project Proponent</td><td>ONGC Limited- MBA Basin</td></tr>
<tr><td>Name of blocks</td><td>OALP-IV Block BP-ONHP-2019/1</td></tr>
<tr><td>Area of block</td><td>3105.44 Sq.Km</td></tr>
<tr><td>Average elevation</td><td>18 m</td></tr>
<tr><td>Project Location</td><td>OALP-IV Block BP-ONHP-2019/1 situated in East Medinipur and West Medinipur districts, West Bengal Coordinates of the Block
<table>
<tr><th>Point</th><th>LATITUDE</th><th>LONGITUDE</th></tr>
<tr><td>A</td><td>22° 20' 00"</td><td>87° 30' 00"</td></tr>
<tr><td>B</td><td>22° 20' 00"</td><td>88° 00' 00"</td></tr>
<tr><td>C</td><td>22° 00' 00"</td><td>88° 00' 00"</td></tr>
<tr><td>D</td><td>22° 00' 00"</td><td>87° 50' 00"</td></tr>
<tr><td>E</td><td>21° 45' 00"</td><td>87° 50' 00"</td></tr>
<tr><td>F</td><td>21° 45' 00"</td><td>87° 49' 00"</td></tr>
<tr><td>G</td><td>21° 44' 00"</td><td>87° 49' 00"</td></tr>
<tr><td>I</td><td>21° 44' 00"</td><td>87° 48' 00"</td></tr>
<tr><td>J</td><td>21° 43' 00"</td><td>87° 48' 00"</td></tr>
<tr><td>K</td><td>21° 43' 00"</td><td>87° 45' 00"</td></tr>
<tr><td>L</td><td>21° 42' 00"</td><td>87° 45' 00"</td></tr>
<tr><td>M</td><td>21° 42' 00"</td><td>87° 44' 00"</td></tr>
<tr><td>N</td><td>21° 41' 00"</td><td>87° 44' 00"</td></tr>
<tr><td>O</td><td>21° 41' 00"</td><td>87° 42' 00"</td></tr>
<tr><td>P</td><td>21° 40' 00"</td><td>87° 42' 00"</td></tr>
<tr><td>Q</td><td>21° 40' 00"</td><td>87° 30' 00"</td></tr>
</table></td></tr>
<tr><td>Proposed Well Locations</td><td>
<table>
<tr><th>Block</th><th>Well</th><th>District</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td rowspan="5">OALP-IV Block BP- ONHP-2019/1</td><td>EC_NL-1_19/1</td><td>West Medinipur</td><td>22°15'42.12"N</td><td>87°34'47.28"E</td></tr>
<tr><td>EC_NL-2_19/1</td><td>East Medinipur</td><td>22°17'02.04"N</td><td>87°45'06.12"E</td></tr>
<tr><td>EC_NL-3_19/1</td><td>West Medinipur</td><td>22°06'20.03"N</td><td>87°35'30.15"E</td></tr>
<tr><td>EC_NL-4_19/1</td><td>East Medinipur</td><td>22°03'28.44"N</td><td>87°45'56.52"E</td></tr>
<tr><td>EC_NL-5_19/1</td><td>East Medinipur</td><td>21°56'50.28"N</td><td>87°38'04.92"E</td></tr>
</table>
</td></tr>
</table>

		EC_NL-6_19/1	East Medinipur	21°46'39.00"N	87°37'57.00"E
		EC_NL-7_19/1	East Medinipur	21°58'40.03"N	87°45'52.53"E
		EC_NL-8_19/1	East Medinipur	22° 06'24.84"N	87°53'06.72"E

Plant & machinery

Equipment at Drilling Rig

SL. No	Equipment	Make-Model/Type	Capacity / Specification
1	RIG	Branham, USA	
	Type of Rig	AC SCR System	
	Mast Type	Universal Cantilever Swing Lift	
	Capacity of Rig Mast		500 Ton
	Max. Drillable Depth		6000 Mtr.
	Mast Height (From ground)		142 Feet
	Sub Structure Height		30 Feet
2	Rig Engine (04 Nos)	Caterpillar-3512B	1210 HP
3	Alternator (04 Nos)	BHEL- OA 7002 AZ -	1430 KVA
4	Compressor (02 Nos)	ELGI- E-55	276 cfm @ 10.5 kg/cm2, 75Kw
5	Mobile Compressor (1No)	Chicago Pneumatic-CPS 45	400 cfm @ 10.5 kg/cm2 (AC Motor 169 Hp)
6	Draw Works (1No)	BHEL- E-2000	500 Ton
7	Travelling Block (01No)	BHEL 1076M,	500 Ton
8	Crown Block (01No)	BHEL,	Capacity 500 Ton
9	Rotary Table (01No)	BHEL-27-1/2”	500 Ton (DC Motor-1000 HP), 350 RPM
10	Pipe Spinner(01No)	Gray Spin Mark10	5-1/2”-7-1/2”
11	Air Winch(01No)	Ingersoll Rand - FA2.5	2.5 Ton, 700cfm @ 90Psi
12	Mud Swivel(01No)	BHEL PC650	500 Ton
13	Mud Pump (02 Nos)	Gardner Denver–PZ-11	2000 HP (DC Motor-1000 HP x 2). Discharge 632 GPM (7” Liner) & 545 GPM 6-1/2 Liner) at 115 RPM
14	Shale Shaker(01No)	Derrick, FLC-503	1200-1400Gpm
15	Desander (01No)	RRP 12”	700Gpm
16	Mud Cleaner (Desilter-1 no.)	Mi-Swaco Meerkat 8T4	700Gpm
17	Degasser (01No)	Derrick, Vacu-Flo1200	1200Gpm
18	Desander Pump (01Nos)	Adroit-8x6x14	AC Motor-100Hp
19	Mud Cleaner Pump (01Nos)	Adroit-8x6x14	AC Motor-100Hp
20	Super Charger Pump	MCM 8x6x14	AC Motor-100Hp

		(01No)		
	21	Super Charger Pump (01No)	Adroit 8x6x14	AC Motor-100Hp
	22	Mud Mix Pump (02Nos)	MCM 8x6x14	AC Motor-100Hp
	23	Mud Tanks (06 Nos.)		50 M3
	24	Water Tanks (03 Nos.)		50 M3
	25	Solid handling system	Shale shaker/ De-sander/ Mud cleaner/Degasser	
	26	Size of impervious lined waste pit	Impervious lined waste pit of	~1500 m3 capacity at each well site
	27	Capacity of water pit	Cemented water pit of	~150 m3
	28	Use of oil pit / steel tanks	Steel tanks will be used to collect oil during well testing	
	29	Blowout control equipment	Three stack BOP, choke & kill manifold, and other associated controls.	
	30	Chemical storage	On brick lined platform/ steel platform	

Product & Quantity	Drilling of 8 nos. of exploratory wells within OALP-IV Block BP-ONHP-2019/1 to a maximum depth of 3400-5000 m
Duration of Drilling	90-150 days
Test flaring, duration	2-3 days per well
Raw Materials & quantity	There will be no raw material required for exploratory drilling. However, water-based 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 well site during drilling will be 150m x 150m i.e. 5.5 acres OR 2.25 Ha, including site facilities and for camp site
Project Cost	INR 240 Crore for 8 nos. of exploratory wells
Pollution Control Cost	Capital Cost: 76 Lacs for each well; Recurring Cost: 15 Lacs/Well
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	**Type of wastewater**	**Amount (KLD)**	**Disposal method**
	Drilling and rig wash Wastewater	6	In conformance to the S No. 72 A (ii) Schedule I Standards for Emission or Discharge of Environmental Pollutants from Oil Drilling and Gas Extraction Industry of CPCB
	Domestic Wastewater (Sewage)	2.5	The domestic sewage will be treated and disposed through septic tanks

<table>
<tr><td>Power Requirement & source</td><td>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.
DG Sets
<table>
<tr><th>Location</th><th>DG Capacity</th><th>Fuel Requirement</th><th>Stack Height (m)</th><th>Stack dia (m)</th></tr>
<tr><td>Drilling Site</td><td>4 X 1430 KVA (3 working and 1 standby)</td><td>HSD- 6 KLD</td><td>12</td><td>0.21</td></tr>
</table></td></tr>
<tr><td>Manpower requirement</td><td>Total Manpower: 12-15 during (Construction Phase) and during Operational Phase around 30 ONGC employees & 30 contingent workers from local area.</td></tr>
<tr><td>Water Pollution Control System</td><td>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.</td></tr>
<tr><td>Air Pollution Control System</td><td>Particulate Matter (PM), Sulphur and Nitrogen dioxides (SO_2 and NO_2) from DG sets operation and adequate stack height will be proposed.</td></tr>
<tr><td>Hazardous Waste generation</td><td>
<table>
<tr><th>Hazardous waste</th><th>Category</th><th>Quantity</th><th>Method of disposal</th></tr>
<tr><td>Oily waste used oil & spent Oil</td><td>5.1</td><td>1 KL per well</td><td>Used oil will be collected in metal drums kept in secured area and will be disposed through Metal Scrap Trading Corporation.</td></tr>
<tr><td>Wastes/residues containing oil</td><td>5.2</td><td>5-10 Kg/Well</td><td>Waste containing oil will be collected and kept in secured area and will be disposed through Metal Scrap Trading Corporation</td></tr>
<tr><td>Discarded containers/barrels/ liners contaminated with hazardous waste</td><td>33.1</td><td>50 Nos./Year</td><td>Will be disposed as per Hazardous Waste Rules, 2016</td></tr>
</table>
</td></tr>
<tr><td>Solid Waste generation</td><td>
<table>
<tr><th>Non-Hazardous waste</th><th>Quantity</th><th>Method of disposal</th></tr>
<tr><td>Kitchen Waste</td><td>10-20 kg per day</td><td>Will be stored in compost pits on a daily basis or disposed off nearby municipal disposal site via local vendors</td></tr>
<tr><td>Recyclable waste like papers, plastics,</td><td>Negligible</td><td>Proper segregation and storage of recyclable waste in designated bins onsite. Recyclables will be periodically sold to local waste recyclers.</td></tr>
<tr><td>Packaging wastes</td><td>2.3 Ton/well</td><td>Proper segregation and storage at designated stackyard onsite. Packaging wastes will be periodically sold to local waste recyclers.</td></tr>
<tr><td>Drill cutting generated from Water based Mud and not contaminated with oil.</td><td>200-450 Ton/well</td><td>Drill cuttings which are inert materials of shale, sand, and clay will fall into the lined waste pits. The drilling fluids left over at the end of the particular well will be discharged into the lined waste pits and dried.</td></tr>
<tr><td>Waste Drilling Mud</td><td>150-250 Ton/well</td><td>The mud will be tested for hazardous contaminants and will be disposed as per S</td></tr>
</table>
</td></tr>
</table>

				No. 72 C.1.a Schedule I Standards for Emission or Discharge of Environmental Pollutants from Oil Drilling and Gas Extraction Industry of CPCB as modified in 2005
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 2.05 Crore towards Corporate Environmental Responsibility (CER) within the BP-ONHP-2019/1 block area for a period of 3 years (2023-2026) 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.			

State Level Environment Impact Assessment Authority (SEIAA), West Bengal examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI and the subsequent amendments, on the basis of above mentioned features along with other details submitted to SEIAA subject to strict compliance of the terms and conditions mentioned below.

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, NOX, 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 CO_2 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 H_2S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H_2S 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-1.

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. 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.

xviii) 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.

xix) The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with	Mr. Champak Mitra, General Manager
Address	4th Floor, HSE Section, ONGC, Technopolis Building, Block BP-4, Sector – V, Salt Lake, Kolkata – 700 091.
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Name of the Environmental Consultant	M/s. ABC Techno Labs India Private Limited (formerly known as ABC Environ Solutions Pvt. Ltd.)

Annexure-1

NEED BASED ACTIVITIES FOR LOCAL PEOPLE

Proposed CER Activities within Block (2023-2026)

Sl.No	CER Activities	Taluka/ 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)	Tamluk	1	5	5	1.67	1.67	1.67
		Nanda Kumar	1	5	5	1.67	1.67	1.67
		Moyna	1	5	5	1.67	1.67	1.67
		Nandigram - I	1	5	5	1.67	1.67	1.67
		Contai - I	1	5	5	1.67	1.67	1.67
	Total		**5**		**25**	**8.33**	**8.33**	**8.33**
2	Sanitation facility (Construction of Community Toilets with Septic Tank and Soak pit, Construction of Individual Household Latrines (IHHLs), Individual Sanitation in Rural Areas	Tamluk	1	10	10	3.33	3.33	3.33
		Nanda Kumar	1	10	10	3.33	3.33	3.33
		Moyna	1	10	10	3.33	3.33	3.33
		Nandigram - I	1	10	10	3.33	3.33	3.33
		Contai - I	1	10	10	3.33	3.33	3.33
	Total		**5**		**50**	**16.67**	**16.67**	**16.67**
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	Tamluk	1	15	15	5.00	5.00	5.00
		Moyna	1	15	15	5.00	5.00	5.00
		Contai - I	1	15	15	5.00	5.00	5.00
	Total		**3**		**45**	**15.00**	**15.00**	**15.00**
4	Instatallation of Deep Bore Wells with High Platform in villages	Tamluk	2	2	4	1.33	1.33	1.33
		Nanda Kumar	2	2	4	1.33	1.33	1.33
		Moyna	2	2	4	1.33	1.33	1.33
		Nandigram - I	1	2	2	0.67	0.22	0.07
		Contai - I	2	2	4	1.33	0.44	0.15
		Egra - I	2	2	4	1.33	0.44	0.15
	Total		**11**		**22**	**7.33**	**5.11**	**4.37**
5	Promoting Eco-friendly behaviour through use of Green Energy in 2 schools	Tamluk	2	2	4	1.33	1.33	1.33
		Nanda Kumar	2	2	4	1.33	1.33	1.33
		Moyna	2	2	4	1.33	1.33	1.33
		Nandigram - I	2	2	4	1.33	1.33	1.33
		Contai - I	2	2	4	1.33	1.33	1.33
			10		**20**	**6.67**	**6.67**	**6.67**
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	Tamluk	1	8	8	2.67	2.67	2.67
		Moyna	1	10	10	3.33	3.33	3.33
		Nandigram - I	1	10	10	3.33	3.33	3.33
		Contai - I	1	10	10	3.33	3.33	3.33
		Egra - I	1	10	10	3.33	3.33	3.33
	Total		**5**		**48**	**16.00**	**16.00**	**16.00**
Total					**210**	**70.00**	**67.78**	**67.04**
Grand Total						**204.8**		

Source: ONGC, MBA

CER Summary	Value (Crore INR)
Total Project cost (Crore INR)	240
Total CER Cost (3 years) (Crore INR)	2.05