



सत्यमेव जयते

File No: RJ/24/SEAC2/IND2/EC/0380
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), RAJASTHAN)



Dated 10/10/2024



To,

Mahendra Dinkar Pillewar
GAIL INDIA LIMITED
GAIL(INDIA) Limited, GAIL Bhawan, 16 Bhikaji Cama Place, R K Puram, New Delhi - 110066,
SOUTH WEST, DELHI, 110066
slrnoida@gail.co.in

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 Drilling of 5 nos. of Exploratory/Appraisal Wells in OALP-VII Block RJ-ONHP-2021/1 situated in Barmer and Jaisalmer Districts of Rajasthan By M/s GAIL (India) Limited submitted to Ministry vide proposal number SIA/RJ/IND2/487888/2024 dated 16/07/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0302RJ5274322N
(ii) File No.	RJ/24/SEAC2/IND2/EC/0380
(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 Drilling of 5 nos. of Exploratory/Appraisal Wells in OALP-VII Block RJ-ONHP-2021/1 situated in Barmer and Jaisalmer Districts of Rajasthan By M/s GAIL (India) Limited
(vii) Name of Project	GAIL INDIA LIMITED
(viii) Name of Company/Organization	BARMER, RAJASTHAN
(ix) Location of Project (District, State)	SEIAA
(x) Issuing Authority	no
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

Specific EC Conditions for (Off-shore And Onshore Oil And Gas Exploration, Development And Production)

1. Specific Condition

S. No	EC Conditions
1.1	<p>Besides the standard conditions the Committee also resolved to recommend to SEIAA to impose following additional condition.</p> <p>1. This EC shall be valid for exploration of hydrocarbons & not for establishing/operating oils/gas wells.</p> <p>2. Proper testing of the waste discharged from drilling will be done at prescribed each level through accredited labs. The PP will ensure that proper disposal of the Hazardous discharge if found during the drilling and exploration process will be done as per norms.</p>

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.

S. No	EC Conditions
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 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.

S. No	EC Conditions
1.19	Oil content in the drill cuttings shall be monitored and report & shall sent to the Ministry's Regional Office.
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.

S. No	EC Conditions
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 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

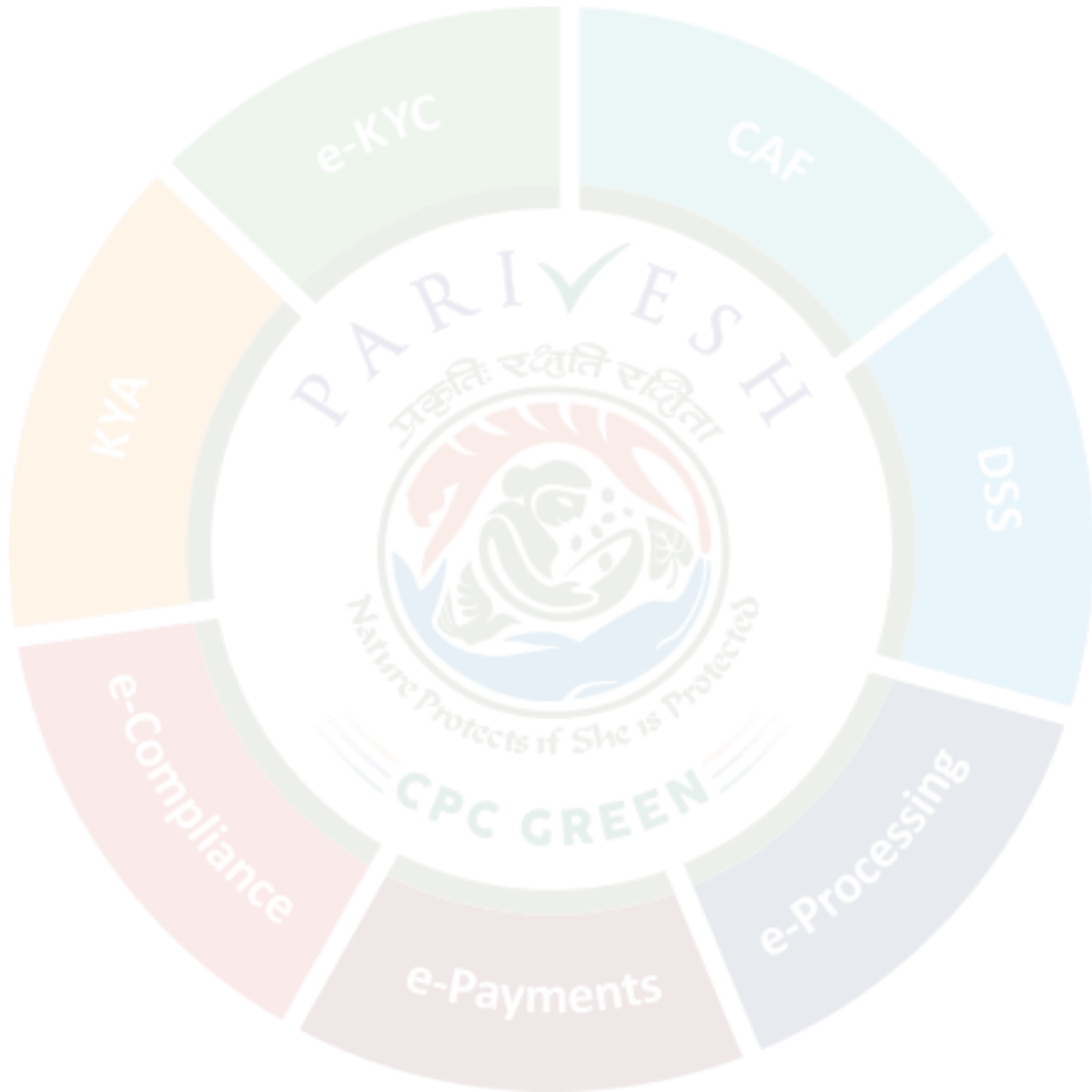
S. No	EC Conditions
3.1	The environmental clearance is subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife, as applicable, as per the Ministry's OM dated 8th August, 2019. Grant of environmental clearance does 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

N/A

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Drilling of 5 nos. of Exploratory/ Appraisal wells	Drilling of 5 nos. of Exploratory/ Appraisal wells	5	Numbers	Road	Tanker



State Level Environment Impact Assessment Authority, Rajasthan
 10, Bhawani Singh Lane, Near Sahkar Marg, Oppsite Malviya Urban Co-
 Operative Bank and Near India News Office, Jaipur.

E-mail:- seiaams2021@gmail.com

File no. F1 (4)/SEIAA/SEAC-Raj/Seett/Project/Cat.1(b)B2(0380)/2024-25 Jaipur, Dated:

10 OCT 2024

Shri Mahendra Pillewar, Genral Manager (E&P)
 M/s GAIL (India) limited,
 Address- Jublee Tower, B-35 & 36,
 Sector-01 Noida (UP) 201301.

Sub:-Environmental Clearance for Proposed Onshore Drilling of 5 nos. of
 Exploratory/Appraisal Wells in OALP- VII Block RJ- ONHP-2021/1 having
 Block area- 486.39 Sq.Km situated in District- Barmer and Jaisalmer,
 Rajasthan (**Proposal No- 487888**)

This has reference to your application dated 16.07.2024 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 20th, 21st, 22nd & 23rd August, 2024.

2. Brief details of the Project:

1.	Category / Itemno.(inSchedule):	1(b) Category B2																																											
2.	Location of Project	OALP-VII Block RJ-ONHP-2021/1 in Barmer and Jaisalmer Districts of Rajasthan																																											
3.	Project Details/Production capacity	<p>Drilling of 05 nos. of Exploratory/Appraisal Wells Coordinates of Corner Points of OALP-VII Block RJ-ONHP-2021/1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Sl. No.</th> <th style="width: 35%;">LATITUDE</th> <th style="width: 50%;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>1</td><td>26°10'00.00"N</td><td>71°00'00.00"E</td></tr> <tr><td>2</td><td>26°10'00.00"N</td><td>71°30'00.00"E</td></tr> <tr><td>3</td><td>26°08'00.00"N</td><td>71°30'00.00"E</td></tr> <tr><td>4</td><td>26°08'00.00"N</td><td>71°16'00.00"E</td></tr> <tr><td>5</td><td>26°05'00.00"N</td><td>71°16'00.00"E</td></tr> <tr><td>6</td><td>26°05'00.00"N</td><td>71°10'00.00"E</td></tr> <tr><td>7</td><td>26°00'00.00"N</td><td>71°10'00.00"E</td></tr> <tr><td>8</td><td>26°00'00.00"N</td><td>71°00'00.00"E</td></tr> </tbody> </table> <p>Tentative well co-ordinates to be drilled in block OALP-VII Block RJ-ONHP-2021/1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Well</th> <th style="width: 25%;">Longitude</th> <th style="width: 25%;">Latitude</th> <th style="width: 35%;">District</th> </tr> </thead> <tbody> <tr> <td>Loc A</td> <td>26°06'47.2300"N</td> <td>71°13'56.0300"E</td> <td>Barmer</td> </tr> <tr> <td>Loc B</td> <td>26°08'9.7000"N</td> <td>71°14'53.9500"E</td> <td>Barmer</td> </tr> <tr> <td>Loc C</td> <td>26°07'49.3260"N</td> <td>71°13'21.1083"E</td> <td>Barmer</td> </tr> </tbody> </table>	Sl. No.	LATITUDE	LONGITUDE	1	26°10'00.00"N	71°00'00.00"E	2	26°10'00.00"N	71°30'00.00"E	3	26°08'00.00"N	71°30'00.00"E	4	26°08'00.00"N	71°16'00.00"E	5	26°05'00.00"N	71°16'00.00"E	6	26°05'00.00"N	71°10'00.00"E	7	26°00'00.00"N	71°10'00.00"E	8	26°00'00.00"N	71°00'00.00"E	Well	Longitude	Latitude	District	Loc A	26°06'47.2300"N	71°13'56.0300"E	Barmer	Loc B	26°08'9.7000"N	71°14'53.9500"E	Barmer	Loc C	26°07'49.3260"N	71°13'21.1083"E	Barmer
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		Loc_D	26°09'14.9100"N	71°13'45.7500"E	Barmer	
		Loc_E	26°09'9.9200"N	71°16'12.6496"E	Barmer	
4.	Project Cost:	INR 40.00 Crores (INR 8 Crores per well)				
5.	Water Requirement Source	Total water requirement is about 40KLD/well Source- Surface Water.				
		Sl.No	Description	Quantity of Water Requirement	Quantity of Wastewater generation	Disposal method
		1	Water for domestic use	2 KLD/Well	1.5 KLD/well	The domestic sewage will be treated and disposed through mobile STP (5 KLD capacity)
		2	Drilling water consumption for mud preparation	28 KLD/Well	--	Waste drilling mud stored in HDPE lined pits for solar evaporation
		3	Drilling Rig operation			
		a.	Jet wash – washing of drill cuttings at shale shaker	5 KLD/Well	8 KLD/well	The water will be adequately treated in a mobile ETP to ensure 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. The treated water will be recycled back for mud preparation purposes/drilling equipment washing/dust suppression/etc.
		b.	Preparation of cementing materials	2 KLD/Well		
		c.	General housekeeping/ washing	1 KLD/Well		
		d.	Miscellaneous use (cooling, dust suppression, etc.)	2 KLD/Well		
			Total Water Requirement	40 KLD/well		
6.	Fuel & Energy:-	Power requirement per rig will be about 450 KVA. Power requirements during site preparation and drilling phase will be met by 2 No of DG Sets of 500 KVA each (one number of DG Set standby). HSD will be used in the DG sets.				
7.	Environment Management Plan	For each well Capital Cost – 150 lacs For each well Recurring Cost – 15 lacs				
		Sl.	Pollution Control Measures	Cost in INR		

No.		Capital	Recurring	
1	Wastewater Effluent Management			
	<i>Use of Mobile STP</i>	50,000	10,000	
	<i>Water Quality Monitoring</i>	-	10,000	
2	Use of Mobile ETP	-	3,00,000	
3	Noise and Vibration Mitigation	-	-	
	<i>Noise Monitoring</i>	-	5,000	
	<i>Maintenance & Cost of Equipment</i>	-	5,00,000	
4	Solid and Liquid Waste Management	50,00,000	-	
	<i>HDPE Lined waste Pit for Solid and Liquid Waste</i>	10,50,000	-	
5	Air Emission Mitigation	-	-	
	<i>Approach Road construction (For new Road having 4.0 m Width and 1.0 km length approx.)</i>	25,00,000	4,50,000	
	<i>Air Monitoring</i>	-	50,000	
6	Other civil constructions like Cutting Pit / waste pit / Garland Drain / fire water reservoir	10,00,000	-	
7	Water Spray to prevent Dusting	-	10,000	
8	Training to staff	-	1,30,000	
9	General Awareness in local public	-	35,000	
10	Site restoration in case of abandoned well (token amount)	50,00,000	-	
	Total	1,50,00,000	15,00,000	
	Total Cost allocated towards CER for 3 years period (INR Crore)	0.80	--	
8.	CSR/ESR Activities	INR 80 lacs		
		Sl.No	CER Activities	Unit (Number) for 3 yrs.
		1	Safe drinking water supply through installation of RO plant (Capacity 1000 Liter/ day)	3 Nos.
		2	Sanitation facility (Construction of Community Toilets with Septic Tank and Soak pit, Construction of Individual Household Latrines (IHHLs), Individual Sanitation in Rural Areas	4 Nos.
		3	Procurement of Medical Equipment, Strengthening of Eye Care Infrastructure and providing Mobile Medical Ambulance in the Rural Health Centre, Financial Assistance etc.	2 Nos.
		4	Promoting Eco-friendly behaviour through use of Green Energy in 2 schools	2 Nos.
9.	Green Belt/Plantation	The periphery around the drill site of approximate 2.25 Ha is necessarily planted with local saplings (approximately 120 saplings in pots) and thereafter maintained till the rig moves to the next location after 30 to 35 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 relinquishment of the leased land back to the district authorities														
10.	Budgetary Breakup for Labour	The following provisions will be made towards labour welfare during drilling: <table border="1"> <thead> <tr> <th>Sl.No</th> <th>Particulars</th> <th>Estimated Budget per well (in lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Safe drinking water for Workforce</td> <td rowspan="5">6 Lakhs/per well</td> </tr> <tr> <td>2</td> <td>Sanitation facilities</td> </tr> <tr> <td>3</td> <td>First aid facility and ambulance for emergency medical evacuation</td> </tr> <tr> <td>4</td> <td>PPEs (Safety Boots, Helmet, Mask, ear plugs, gloves, etc.)</td> </tr> <tr> <td>5</td> <td>Environment, Safety & Occupational health and wellness awareness program</td> </tr> </tbody> </table>	Sl.No	Particulars	Estimated Budget per well (in lakhs)	1	Safe drinking water for Workforce	6 Lakhs/per well	2	Sanitation facilities	3	First aid facility and ambulance for emergency medical evacuation	4	PPEs (Safety Boots, Helmet, Mask, ear plugs, gloves, etc.)	5	Environment, Safety & Occupational health and wellness awareness program
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5	Environment, Safety & Occupational health and wellness awareness program															

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC, Rajasthan in its 5.144th Meeting held on 07.10.2024 hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

Additional Condition:

1. This EC shall be valid for exploration of hydrocarbons & not for establishing/operating oils/gas wells.
2. Proper testing of the waste discharged from drilling will be done at prescribed each level through accredited labs. The PP will ensure that proper disposal of the Hazardous discharge if found during the drilling and exploration process will be done as per norms

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.
- v. 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 provision contained in the Rules shall be strictly adhered to.
- vi. The PP shall inform concerning RO of RSPCB before drilling operation for exploration of Oil & Gas.

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. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- iii. 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 station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. Ambient air quality shall be monitored at the nearest human settlements as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 for PM10, PM2.5, SO2, NOX, CO, CH4, HC, Non-methane HC etc.
- v. During exploration, production, storage and handling, the fugitive emission of methane, if any, shall be monitored using Infra-red camera/ appropriate technology.
- vi. The project proponent also to ensure trapping/storing of the CO2 generated, if any, during the process and handling.
- vii. 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 of 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. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- iv. The company shall construct the garland drain all around the drilling site to prevent run off of any oil containing waste in to the near by water bodies. Separated rain age system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
- v. 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 of into near by 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.

IV. Noise monitoring and prevention

- i. 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.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dB (daytime) and 70 dB (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 some Authorized agency and report shall be sent to the Ministry's Regional Office

VII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. Blow out Preventer system shall be installed to prevent well blow outs 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. Company shall prepare operating manual in respect of all activities, which would cover all safety & environment related issues and measures to be taken for protection. One set of environmental manual shall be made available at the drilling site/project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.

iv. On completion of drilling, the company has to plug the drilled wells safely and obtain certificate from environment safety angle from the concerned authority

v. The company shall take measures after completion of drilling process by well plugging and secured enclosures, decommissioning of rig upon abandonment of the well and drilling site shall be restored to the 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 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.

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 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.

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 Company shall carry out long term subsidence study by collecting base line data before initiating drilling operation till the project lasts. The data so collected shall be submitted six monthly to the Ministry and Regional Office.

VIII. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.

ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The

company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF& CC as a part of six-monthly report.

- iii. A separate Environmental Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Of fice alongwith the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

IX. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to there levant offices of the Government who inturn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. Restoration of the project site shall be carried out satisfactorily and report shall be sent to the Ministry's Regional Office
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi. No further expansion or modifications in the plant shall be carried out with out prior approval of the Ministry of Environment, Forests and Climate Change (MoEF& CC).
- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary. The

Company in a time bound manner shall implement these conditions.

xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xvi. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

xvii. Any appeal against this EC 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 Environment Clearance shall be valid for a maximum of ten years which may be further extended by another one year, beyond ten years, subject to the condition as per MoEF&CC Notification dated 12.04.2022.


(Khyati Mathur)
Member Secretary,
SEIAA, Rajasthan.

File no. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.1(b)B2(0380)/2024-25 Jaipur, Dated:

Copy to following for information and necessary action:

1. Deputy Director, Integrated Regional Office, Jaipur, Ministry of Environment, Forest & Climate Change, Govt. of India, A- 209 & 218, ARANYA BHAWAN, Mahatma Gandhi Road, Jhalana Institutional Area, Jaipur – 304002 (Raj.).
2. Additional Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. Rajeeva Swarup, IAS (Retd.), Chairman, SEIAA, Room No. 101, Aravalli Bhawan, Jhalana Institutional Area, Jaipur.
4. Dr. Suresh Chandra, IFS (Retd.), Member, SEIAA, Room No. 103, Aravalli Bhawan, Jhalana Institutional Area, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for taking action against the PP in accordance with the provisions of section 19 of the Environment (Protection), Act, 1986.
6. Member Secretary, SEAC Rajasthan.
7. Environment Management Plan- Division, Monitoring Cell, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
8. I.A, SEIAA, Jaipur with the direction to upload the copy of this Environment Clearance on the website.


M.S. SEIAA, (Rajasthan)