

Date: 12.05.2026

Ref.: CB-ONHP-2017/3/EC/May'26/1

Head of Office  
Integrated Regional Office, Gandhi Nagar  
Ministry of Env. Forest and Climate Change  
Room No. 407, Aranya Bhawan  
Near CH-3 Circle, Sector-10A  
Gandhinagar, Gujarat - 382010

**Sub:** Six-monthly Status Report on progressive compliance to Environmental Clearance (EC) conditions for Onshore Oil & Gas Exploration, Appraisal & Early Production in CB-ONHP-2017/3 (83 sq.km) block in Jambusar, Distt. Bharuch, Gujarat.

**Ref:** 1) EC letter no. SEIAA/GUJ/EC/1(b)/1551/2020 dated 16.12.2020  
2) Corrigendum in EC no. SEIAA/GUJ/EC/1(b)/648/2021 dated 19.05.2021

Dear Sir,

We are pleased to submit a point wise compliance status report of the conditions stipulated in the Environmental Clearance accorded by SEIAA, Gujarat for CB-ONHP-2017/3 Block for the period of October 2025 to March 2026.

Thanking you,

Yours faithfully,  
For Vedanta Limited (Div.: Cairn Oil & Gas)

**Dr BR  
Jat**  
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**Enclosures:** As above

Copy to:

1. The Member Secretary, Gujarat Pollution Control Board, Gandhinagar
2. Regional Director, Regional Directorate Office, Central Pollution Control Board, Vadodara

**VEDANTA LIMITED**

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CIN: L132O9MH1965PLC291394

**SIX-MONTHLY REPORT ON  
PROGRESSIVE COMPLIANCE TO ENVIRONMENTAL CLEARANCE CONDITIONS**

Project name:	Onshore Oil & Gas Exploration & Appraisal and Early Production in CB-ONHP-2017/3 block in Bharuch Dist., Gujarat
Environmental Clearance letter no.:	SEIAA/GUJ/EC/1(b)/1551/2020 dated 16.12.2020
Reporting period:	October 2025 to March 2026
Project activity during reporting period:	No exploratory, appraisal and Early Production activities carried out in this reporting period.
Overall status of activities w.r.t. project defined in EC:	<p><b>Project defined in EC:</b></p> <ul style="list-style-type: none"> <li>• Drilling of Exploratory &amp; Appraisal Wells: 17 Nos.</li> <li>• Early Production: 8000 BOPD crude oil and 1.2 MMSCFD associated Natural gas.</li> </ul> <p><b>Overall Status:</b></p> <p>Two exploratory well has been drilled till date.</p> <ol style="list-style-type: none"> <li>1. Well Pad# Hazad Channel-2 (HCL-2), Survey No. 1160 to 1166-1 (New No. 378 to 384), Vill. Sarbhan, Teh. Amod, Dist. Bharuch, Gujarat. Latitude: 21°59'56.00" N; Longitude: 72°56'39.86" E (Duration from Mar-21 to Apr-21). There is no commercially viable discovery at this drill site, The well has been plugged &amp; abandoned as per the OISD standard, the site has been restored.</li> <li>2. Well Pad# Hazad Channel-1 (HCL-1) (CB-ONHP-2017/3 Block), Survey No. 253, 257, 258, Vill. Vadiya, Teh. Amod, Dist. Bharuch, Gujarat. Latitude- 22 01'51.50" N; Longitude - 72 53'04.17" E. (Duration from May-21 to Jun-21). There was no commercially viable discovery at this drill site. The well has been plugged &amp; abandoned as per the OISD standard.</li> </ol>

S. No.	EC Conditions	Status of Compliance
<b>A. SPECIFIC CONDITIONS</b>		
1	Project proponent (PP) shall obtain separate Environmental Clearance for commercial drilling and exploration as this proposal is for drilling of exploration activity only as per EIA Notification 2006 and amended dated 16.01.2020 (Category B2 of activity 1(b))	<b>Noted and will be complied with.</b> Exploratory drilling carried out in one well till date. No commercially viable discovery found and hence the well has been temporarily plugged,
2	No drilling shall be carried out in protected areas.	<b>Complied.</b> No project activity in protected areas.
3	The company shall make all arrangements at 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 be confirm to CPCB/ GPCB standards.	<b>Complied.</b> No runoff of any oil containing waste into the nearby water bodies. Separate drainage was provided to prevent any mixing of storm water with any effluent and oil containing waste.  Effluent from drilling activities was collected in HDPE lined pits, treated, and reused for mud preparation, dust suppression and other misc. purposes
4	Drill cuttings separated from drilling fluid shall be adequately washed and disposed according to HWMH rule, 2016. No effluent/ drilling mud/drill cutting shall be discharged/ disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR. 546 dated 30 <sup>th</sup> august 2005.	<b>Complied.</b> The waste drill cuttings associated with SBM were washed in shale shaker and treated in centrifuge & cutting dryer for removal of oil content and collected and disposed to TSDF authorized by the Gujarat Pollution Control Board (GPCB). The effluent generated from drilling activities was collected in HDPE lined pits, treated in ETP and reused for mud preparation, dust suppression and other misc. purposes. The drill cutting associated with WBM are washed in shale shaker and used as sub-grade construction material in low-lying areas.

S. No.	EC Conditions	Status of Compliance
5	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.	<b><u>Complied</u></b> Oil spill prevention and mitigation scheme has been incorporated in the overall Emergency Response Plan (ERP) of the site operation and also implemented. Oily sludge and spent oil were disposed through the authorised recyclers.
6	After completion of drilling activities, in case of non-availability of hydrocarbons at the site shall be restored back to its normal condition as per the prevailing Rules/ Guidelines/Site restoration policy	<b><u>Complied.</u></b> The well pads had been plugged since no commercially viable discovery was found in the wells
7	PP shall adopt best drilling practices and drilling operations shall be designed in such a way that there is no chance of contamination of groundwater aquifer.	<b><u>Complied.</u></b> The waste and effluent collection pits was provided with HDPE liner to avoid any groundwater contamination. Double casing has been provided for drilling of well.
8	PP shall take all precautionary measures to avoid any contamination of ground water.	<b><u>Complied.</u></b> Adequate measures such as HDPE liner for effluent collection, hazardous waste pits, waste management etc. have been adopted during drilling activities. Casing has been provided for drilling of wells.
9	The National Ambient Air Quality Emission standards issued by the Ministry vide GSR no.826 (E) dated 16 <sup>th</sup> November 2009 shall be complied.	<b><u>Complied.</u></b> Ambient Air Quality monitoring has been carried out in pre-drilling, during drilling and post-drilling phases
10	Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to discharge of pollutants and shall carry out the project development in accordance& consistence with the same.	
11	The project proponent must strictly adhere to the stipulations made by the Gujarat PCB, State Government and/or any other statutory authority.	<b><u>Complied.</u></b> CCA conditions are complied at project site.
12	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 detector in locations of high risk of exposure along with self-containing breathing apparatus.	<b><u>Complied.</u></b>
13	Company shall prepare operating manual in respect of all activities which would cover all safety and environment related issues and measures and measures to be taken for protection. One set of environment manual shall be made available at the drilling site/ project site. Awareness shall be created at each level of management. All the schedule and results of environmental monitoring shall be available at the project site office. Remote monitoring of site should be done.	<b><u>Complied.</u></b> Operating manual was prepared and made available covering environment and safety related issues. Awareness sessions with the drilling crew and operational staff have been carried out on various topics such as Waste Management, Spillage Control, Importance of PPE etc. Environmental monitoring has been carried out in the pre-drilling, during drilling, post-drilling phases in operational areas. Parameters are found to be within the prescribed limits. The reports were also available at site that time.
<b>14.</b>	<b>Safety &amp; Health</b>	
a)	PP shall carry out mock drill within the premises as per the prevailing of safety and display proper evacuation plan in the manufacturing area in case of emergency or accident.	<b><u>Complied.</u></b> Mock drills are carried out on various scenarios/ aspects. Emergency evacuation plan has been prepared and displayed during site activities.
b)	PP shall take all the necessary steps for human safety within the premises to ensure that no any harm is caused to any worker/ employee or labour within premises.	<b><u>Complied.</u></b> All necessary safety measures have been taken. Workers at site were provided with PPEs such as safety helmets, safety shoes, safety gloves, safety

S. No.	EC Conditions	Status of Compliance
		goggles, earplugs, mask, coveralls/ reflective jackets etc. during operational activities.
c)	The consequence arising out of incidents such as Well Blow Out, Fire, Explosion, Natural Calamities etc. shall be accurately predicted with the help of latest technique available by various Risk Analysis Studies and unit shall be accurately predicted with the help of latest technique available by various Risk Analysis studies and unit shall submit Disaster Management Plan (DMP) to the concern authority based on such probable scenarios.	<b><u>Complied.</u></b> Necessary fire prevention measures such as Gas Detectors, Fire & Gas sensors, fire alarms etc. have been provided at the site. Fire protection measures such as fire hydrants, foam monitors, fire extinguishers have also been provided. Blow out preventer (BOP) has been installed at well during drilling.
d)	Personal Protective Equipment's (PPEs) shall be provided to workers, and its usage shall be ensured and supervised.	<b><u>Complied.</u></b> Workers at site are provided with PPEs such as safety helmets, safety shoes, safety gloves, safety goggles, earplugs, mask, coveralls etc. during operational activities.
e)	First Aid Box shall be made readily available in the unit.	<b><u>Complied.</u></b> First-aid boxes had been provided at well-pad/ drilling site location.
f)	Occupational health surveillance of the workers shall be done, and its records shall be maintained. Pre employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.	<b><u>Complied.</u></b> Pre-employment and Periodic medical examination conducted for all the operational staff.
g)	The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed.	<b><u>Complied.</u></b> Necessary fire prevention measures such as Gas Detectors, Fire & Gas sensors, fire alarms etc. have been provided at the site. Fire protection measures such as fire hydrants, foam monitors, fire extinguishers have also been provided. Spill trays have been provided near DG sets to avoid any soil contamination. Oil Spill Response Kit containing absorbent booms, absorbent pads etc. are provided at the site in drilling phase.
h)	Blow out preventer system shall be installed to prevent well blowouts during drilling operations.	<b><u>Complied.</u></b> During drilling operations blow out preventor (BOP) system has been installed.
i)	Emergency response plan shall be based on the guidance by OISD DGMs and Govt. of India.	<b><u>Complied.</u></b> ERP has been prepared and implemented at drilling sites.
<b>A.2. WATER</b>		
15	Total water requirement for the project shall not exceed 105 KLD per well (87KLD for drilling & 18 KLD for early production) shall reuse 41 KLD per well (36 KLD drilling & 5 KLD for early production) of treated industrial effluent within premises. Hence freshwater requirement shall not exceed 64 KLD per well (51 KLD for drilling & 13 KLD for early production) and it shall be met through tankers	<b><u>Complied.</u></b> Water has been sourced from local sources through tankers. The treated effluent from the ETP was reused for mud preparation, dust suppression & other misc. usage within the operational areas.
16	PP shall not dig borewell for freshwater requirements.	
17	The industrial effluent generation from the project shall not exceed 40 KLD per well.	<b><u>Noted</u></b>
18	Total industrial effluent generated from the project shall be treated in mobile ETP followed by UF & RO and reused back in process.	<b><u>Complied.</u></b> ETP was installed at site to treat the effluent during drilling phase. The treated effluent has been used for drilling mud preparation, dust suppression and other misc. uses within the operational areas.

S. No.	EC Conditions	Status of Compliance														
19	PP shall obtain prior permission for disposal of treated effluent.	<b>Complied.</b> No discharge of effluent. The effluent from drilling activities has been collected in HDPE lined pits and treated in ETP and the treated effluent has been reused for drilling mud preparation, dust suppression and other misc. uses. Consolidated Consent and Authorization (CC&A) had been obtained.														
20	Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from premises.	<b>Complied.</b> No discharge of effluent. The effluent from drilling activities has been collected in HDPE lined pits and treated in ETP and the treated effluent has been reused for drilling mud preparation, dust suppression and other misc. uses. There was no drainage connection from the premises for disposal of treated effluents. It is zero discharge unit.														
21	Domestic wastewater generation shall ne exceed 12 KLD per well for proposed project and it shall be treated in STP. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on land discharge norms prescribed by GPCB.	<b>Complied.</b> Domestic wastewater collected and treated by septic tank and soaking pit system.														
22	During monsoon season when treated sewage may not be required for the plantation/ Gardening/ Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case	<b>Complied.</b> Drilling activities were carried out for a very short term and for temporary period. It is nor around the year. The effluent from drilling activities has been collected in HDPE lined pits and treated in ETP and the treated effluent has been used for drilling mud preparation, dust suppression and other misc. uses.  Domestic wastewater collected and treated by septic tank and soaking pit system. There is no discharge of treated effluent outside the project premises. Moreover, buffer storage in HDPE lined pit with adequate capacity provided for storage of treated sewage in drilling phase during rainy season														
23	Unit shall provide buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	<b>Complied.</b> Buffer storage in HDPE lined pit with adequate capacity provided for storage of treated sewage in drilling phase during rainy season.														
24	The unit shall provide metering facility at the ETP, UF, RO & STP and maintain records for the same.	<b>Noted</b>														
25	Proper logbooks of ETP, UF, RO & STP treated effluent reused in gardening/ plantation; chemical consumptions in effluent treatment; quantity of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	<b>Noted</b>														
<b>A. 3. AIR:</b>																
26	Unit shall not exceed fuel consumption for DG set as mentioned below:	<b>Noted</b>														
	<table border="1"> <thead> <tr> <th>S. No</th> <th>Source of emission with Capacity</th> <th>Stack Height (meter)</th> <th>Type of Fuel</th> <th>Quantity of Fuel MT/Day</th> <th>Type of emissions i.e. Air Pollutants</th> <th>Air Pollution Control Measures (APCM)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drilling Site- 3 x 1000 KVA (two working and one standby)</td> <td>10</td> <td>HSD</td> <td>11-13</td> <td>PM10, NOx</td> <td>Exhausts of diesel generators will be positioned</td> </tr> </tbody> </table>	S. No	Source of emission with Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)	1	Drilling Site- 3 x 1000 KVA (two working and one standby)	10	HSD	11-13	PM10, NOx	Exhausts of diesel generators will be positioned	
S. No	Source of emission with Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)										
1	Drilling Site- 3 x 1000 KVA (two working and one standby)	10	HSD	11-13	PM10, NOx	Exhausts of diesel generators will be positioned										

S. No.	EC Conditions						Status of Compliance
		or 2x 1850 KVA (one working and one standby)					at a sufficient height to ensure dispersal of exhaust emissions. Periodic maintenance of DG sets will be undertaken
2		Camp Site- 2 X 350 KVA (one working and one standby)	7	HSD	2 - 3	PM10, NOx	
3		Liquid Mud Pump (LMP) - 3X250 KVA (two working and one standby)	7	HSD	1.5 - 2	PM10, NOx	
4		Radio Room- 2X100 KVA (one working and one standby)	10	HSD	0.74 - 1.5	PM10, NOx	
5		Testing Flare Stack	30			PM10, NOx, SO <sub>2</sub>	Engineering controls to ensure complete combustion of gas; No cold venting. Flaring will be done with combustion efficient elevated flare tip; and Location of flare stacks to be chosen considering the sensitive receptors adjoining the site.
6		EPU Requirement 1X500 KVA (Emergency Backup), GEG 1 MW	10	HSD NG	3-4 KLD 283.16 m <sup>3</sup> /hr	PM1,NOx, SO <sub>2</sub>	Exhausts of diesel generators will be positioned at a sufficient height to ensure dispersal of exhaust emissions; Periodic maintenance of DG sets will be undertaken
27	Unit shall provide adequate APCM with flue gas generation source as mentioned above.						To be complied with. DG sets will be provided with adequate stack height.
28	There shall be no process gas emission from drilling and exploration activities and other ancillary operations.						To be complied with.
29	The fugitive emissions in the work zone environment shall be monitored. The emissions						To be complied with. Measures for prevention and control of fugitive emissions to be taken such as;

S. No.	EC Conditions	Status of Compliance
	<p>shall confirm to the standards prescribed by the concerned authorities from time to time (e.g Directors of Industrial Safety &amp; Health) following indicative guidelines shall also be followed to reduce the fugitive emissions.</p> <ul style="list-style-type: none"> <li>Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.</li> <li>Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.</li> <li>A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive and transport dust emission.</li> </ul>	<ul style="list-style-type: none"> <li>Regular sprinkling of water</li> <li>Speed limit of vehicles</li> <li>Covering of raw material</li> </ul>
30	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	<b>Complied.</b> Monitoring of PM10, PM2.5, SO2, NOx, VOCs (as Benzene, Toluene, Xylene) had been carried out in drilling phase.
31	Regular monitoring of ground level concentration of PM10, SO2, NOx, VOCs shall be carried out in the impact zone, and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with GPCB.	<b>Complied.</b> Monitoring of PM10, PM2.5, SO2, NOx, VOCs (as Benzene, Toluene, Xylene) had been carried out.

#### A.4. SOLID/ HAZARDOUS WASTE

32	All the hazardous waste management shall be taken care as mentioned below:	<b>Noted.</b> The hazardous wastes were managed as per Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and GSR 546 (E).																		
	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Type/ Name of Hazardous waste</th> <th>Specific Source of generation (Name of the Activity, Product etc.)</th> <th>Category and Schedule as per HW Rules</th> <th>Quantity (MT/ Annum)</th> <th>Management of HW</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drill cuttings associated with SBM</td> <td>SBM</td> <td>HW Sc I cat2.1</td> <td>500-1500 tons/well</td> <td>Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).</td> </tr> <tr> <td>2</td> <td>Spent / Residual drilling mud</td> <td>Drilling</td> <td>HW Sc I cat 2.3</td> <td>250-500 tons /well</td> <td>Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).</td> </tr> </tbody> </table>	S. No.	Type/ Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules	Quantity (MT/ Annum)	Management of HW	1	Drill cuttings associated with SBM	SBM	HW Sc I cat2.1	500-1500 tons/well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).	2	Spent / Residual drilling mud	Drilling	HW Sc I cat 2.3	250-500 tons /well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).	
S. No.	Type/ Name of Hazardous waste	Specific Source of generation (Name of the Activity, Product etc.)	Category and Schedule as per HW Rules	Quantity (MT/ Annum)	Management of HW															
1	Drill cuttings associated with SBM	SBM	HW Sc I cat2.1	500-1500 tons/well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).															
2	Spent / Residual drilling mud	Drilling	HW Sc I cat 2.3	250-500 tons /well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as fuel substitute, common Hazardous waste TSDf, HW processing facility).															

S. No.	EC Conditions						Status of Compliance
	3	Used Lubricating oil	Others	HW Sc I cat 5.1	1-2 tons/ well	Disposal as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	
	4	Sludge containing oil and other drilling work	Others	HW Sc I cat 2.2	250-500 tons/ well	Disposal as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	
33	Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable waste before sending to CHWIF & TSDF site respectively.						<b>Complied</b>
<b>A.5. OTHER:</b>							
34	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.						Noted.
35	Necessary permissions as mandate under water (prevention and control of pollution) Act, 1974 and the Air (prevention and control of pollution) Act, 1981 as applicable from time to time shall be obtained from State Pollution Control Board)						Noted.
36	The project proponent shall allocate the separate fund of Rs. 5.22 Crores i.e. 1.5% of the capital investment for the activities in accordance to the MoEFCC's office memorandum no. F 22-65/2017-IA.III dated 01/05/2018. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.						No exploratory & appraisal well drilling and early production activities carried out in the reporting period.
37	All the environmental protection measures and safe-guards proposed in the form-1 & PFR submitted by the project proponent and commitments made in their application shall be strictly adhere to in letter and spirit.						Environmental protection measures and safe-guards proposed in the form-1 & PFR submitted in EC application are being complied.
<b>B. GENERAL CONDITIONS:</b>							
<b>B.1 CONSTRUCTION PHASE:</b>							
38	Water demand during construction shall be reduced by use of curing agent, super plasticizers and other best construction practices.						<b>Complied</b> Considering very limited civil construction requirement, there is no need for the use curing agent and such chemicals.
39	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity, construction materials shall be covered during transportation and regular						<b>Complied.</b> Regular water sprinkling in operational areas such as approach roads, parking area, storage area has been carried out at site to reduce dust/ fugitive emissions.

S. No.	EC Conditions	Status of Compliance
	water sprinkling shall be done in vulnerable areas for control fugitive emissions.	
40	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	<b><u>Complied.</u></b> Sanitary and hygienic measures such as wash basins, washrooms etc. are provided at the site.
41	First aid box shall be made readily available in adequate quantity at all the times.	<b><u>Complied.</u></b> First aid box is provided at site.
42	The project proponent shall shortly comply with the Building and Other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	<b><u>Complied</u></b> The Oil & Gas Exploration and Production sector falls under the provisions of Oil Mines Regulations (OMR), 2017 and regulated by the Directorate General of Mine Safety (DGMS). The provisions of OMR, 2017 are complied with.
43	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	<b><u>Complied.</u></b> Work zone and ambient noise monitoring carried out in during drilling phase.
44	Use of diesel generator sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA rules for air and noise emission standards.	<b><u>Complied.</u></b> DG sets installed at site were equipped with acoustic enclosures and were conforming to the EPA rules for air and noise emission standards.
45	Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.	<b><u>Complied</u></b> For the drilling site/ well-pad, very limited civil work and site preparation are involved.
46	All topsoil excavated during construction activity shall be used in horticultural/ landscape development within the project site.	<b><u>Complied.</u></b> The topsoil excavated was temporarily stored and used for landscape purposed.
47	Excavated earth to be generated during the construction phase shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	<b><u>Complied.</u></b> For the preparation of drill site/ well-pad, very limited civil work is involved. There has been no excess excavated earth generation.
48	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and leadfree paints in the project.	<b><u>Complied.</u></b> For drill site/ well-pad preparation, very limited civil work is involved. Locally available panel blocks and lead-free paints are used.
49	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the EP Act 1986 and its subsequent amendments from time to time.	<b><u>Not applicable.</u></b> Not feasible for oil & gas projects as very limited civil construction is involved.
50	"wind-breaker of appropriate height i.e. 1/3 <sup>rd</sup> of the building height and maximum upto 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.	<b><u>Not applicable.</u></b> No need of Wind Breaker at the drill site.
51	"no uncovered vehicles carting construction material and waste shall be permitted".	<b><u>Complied.</u></b> The vehicles carrying construction material, cement etc. were properly covered.
52	"No loose soil or sand or construction material and waste shall be permitted."	<b><u>Complied.</u></b> Loose soil or sand or any construction material kept covered at site. All materials are kept at the designated storage area and covered by tarpaulin sheet to avoid any fugitive emissions.

S. No.	EC Conditions	Status of Compliance
53	Roads leading to or at construction site must be paved and blacktopped (i.e metallic roads)	<b>Complied.</b> The roads leading to the well pad site have been paved.
54	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	<b>Complied.</b> Since, this is Oil & Gas exploration project no major soil excavation activities are involved except for drilling well and preparation of pits. Excavation of soil had been carried out after dust mitigation measures have been taken such as sprinkling of water for dust suppression.
55	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing	<b>Complied.</b> The dust mitigation measures had been prominently displayed during the construction phase.
56	Grinding and cutting of building materials in open area shall be prohibited.	<b>Complied.</b> There was no requirement for grinding of building material. Cutting of materials was carried out in closed area.
57	Construction material and waste should be stored only within earmarked area and roadside storage of construction material and waste shall be prohibited.	<b>Complied.</b> Construction materials were stored at designated storage area and covered.
58	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site(if applicable).	<b>Complied</b> No generation of any construction and demolition waste. Adequate dust mitigation measures were implemented at the site.
<b>B.2. OPERATION PHASE</b>		
<b>B.2. 1 WATER:</b>		
59	The water meter shall be installed and records daily and monthly water consumption shall be maintained.	<b>Noted</b>
60	The efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	The drilling wastewater was treated and reused for mud preparation, dust suppression activities.
<b>B.2.2 AIR</b>		
61	In case of use of spray dryer, the unit shall provide the adequate and efficient APCMs with spray dryer so that there should not be any adverse impact on human health and environment. Unit shall carry out third party monitoring of the proposed Spray dryer and its ACM through the credible institute and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	<b>Not applicable</b> There is no requirement of spray dryer for the project.
62	Acoustic enclosures shall be provided to the DG sets (if applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.	<b>Complied.</b> DG sets were provided with acoustic enclosures and with adequate stack height. Stack emission monitoring has been carried out during drilling phase.
63	Stack/Vents (whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/ process gas emissions.	<b>Complied.</b> Adequate stack heights were provided as per the CPCB guidelines.
64	Flue gas emission & process gas emission (if any) shall conform to the standards prescribed by the	<b>Complied.</b>

S. No.	EC Conditions	Status of Compliance
	GPCB/ CPCB/MoEF&CC. at no time, emission level should go beyond the stipulated standards.	Stack monitoring were carried out for the DG sets. All parameters are found within the prescribed standards.
65	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	<b><u>Not applicable.</u></b> There was no requirement of reactors/ vessels in this project.
<b>B.2.3 HAZARDOUS/ SOLID WASTE</b>		
66	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and other waste (management and transboundary movement) Rules 2016, a may be amended from time to time. Authorization of the GPCB shall be obtained for collection/ treatment/storage/ disposal of hazardous wastes.	<b><u>Complied.</u></b> The company has complied with the rules and regulations with regards to handling and disposal of Hazardous Waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016. The company has obtained authorization from the GPCB for generation and disposal of hazardous wastes.
67	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<b><u>Complied.</u></b> The hazardous waste is dried and stored properly in designated HW storage with impervious flooring and proper covering.
68	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF (whichever is applicable)	<b><u>Complied.</u></b> Membership obtained with TSDF authorized by the Gujarat Pollution Control Board (GPCB).
69	Trucks/ tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	<b><u>Complied.</u></b> The trucks/ tankers used for transportation of Hazardous Waste complied with the provisions of the Motor Vehicle Act, 1988 and the rules.
70	The design of the trucks/ tankers shall be such that there is no spillage during transportation.	<b><u>Complied.</u></b> Designed trucks to avoid any spillage of material during transportation had been used.
71	All possible efforts shall be made for co-processing of the Hazardous waste prior to disposal into TSDF/ CHWIF.	<b><u>Complied</u></b> The drill cuttings generated associated with Water Based Mud have been used as a sub-grade construction material in low-lying areas.
72	Management of fly ash (if any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization to fly ash to be generated from the unit.	Not applicable.
<b>B.2.4 SAFETY</b>		
73	The occupier/ manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	<b><u>Complied.</u></b> The requirements of Oil Mines Regulations (OMR), 2017 under Directorate General of Mine Safety (DGMS) have been complied with. The provisions of OMR, 2017 are being complied with.
74	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. necessary approvals from the Chief Controller of Explosive and concerned Govt. authorities shall be obtained before commissioning of the project. Requisite on-site and off-site Disaster management plans have to be prepared and implemented.	<b><u>Complied.</u></b> Hazardous chemicals being handled as per the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 and as amended from time to time.  Public liability insurance was taken by the company.  Disaster Management Plan had been prepared and implemented at the drill site.
75	Main entry and exit shall be separate and clearly marked in the facility.	<b><u>Complied.</u></b> Entry, exit and emergency exit gates were available and clearly marked in the facility.

S. No.	EC Conditions	Status of Compliance
76	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicles around the premises.	<b><u>Complied.</u></b> Approx.6-meter-wide approach roads had been provided for movement of vehicles, fire tender and emergency vehicles.
77	Storage of flammable chemicals shall be provided near the plant and storage area.	<b><u>Complied.</u></b> The flammable materials had been stored in a designated space within the operation site, away from the production area.
78	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	<b><u>Complied.</u></b> Adequate necessary fire protection measures have been taken and sufficient fire extinguishers provided at the drill site.
79	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	<b><u>Complied.</u></b> Adequate precautionary measures such as proper PPEs, spill kits etc. have been adopted.
80	All the toxic hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	<b><u>Complied.</u></b> The toxic/ hazardous chemicals such as HSD, TEG, corrosion inhibitors have been stored in optimum quantity. Necessary approvals such as licenses from the Petroleum and Explosives Safety Organisation (PESO) have been obtained.
81	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	<b><u>Complied.</u></b> Various environmental protection and risk mitigation measures were in place as per the Risk Assessment Report.
82	Only flame proof electrical fittings shall be provided in the plant premises.	<b><u>Complied.</u></b>
83	Storage of hazardous chemicals shall be minimized and it shall be multiple small capacity tanks/ containers instead of one single large capacity tank/ containers.	<b><u>Complied.</u></b> Hazardous chemicals had been stored in optimum quantity with preferable multiple small containers.
84	All the storage tanks shall be fitted shall be fitted with appropriate controls to avoid any leakages. Bund/ dykes walls shall be provided for storage tanks for Hazardous Chemicals.	<b><u>Complied.</u></b> Hydrocarbon storage tanks have been provided with controls such as level meters to avoid any leakages. Dyke walls are provided for storage of Hazardous chemicals.
85	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	<b><u>Complied.</u></b> The chemicals were handled in a closed enclosures only through pumping to minimize human exposure.
86	Tie up shall be done with nearby health care unit/ doctor for seeking immediate attention in the case of emergency.	<b><u>Complied.</u></b> Mutual aid agreement had been signed with nearby hospitals for immediate medical attention during emergencies.
87	Personal protective equipment's (PPEs) shall be provided to workers, and its usage shall be ensured and supervised.	<b><u>Complied.</u></b> Adequate PPEs had been provided to the workers at site and its usage has been ensured and supervised.
88	First Aid box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<b><u>Complied.</u></b> First aid box with required facilities had been provided at drill site
89	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	<b><u>Complied.</u></b> All workers had been provided with training pertaining to safety and health aspects of chemical handling. Regular mock drills and training had also been conducted at site for better understanding.

S. No.	EC Conditions	Status of Compliance
90	Occupational health surveillance of the workers shall be maintained. Pre employments and periodical medical examination for all the workers shall be undertaken as per Factories Act and Rules.	<b>Complied.</b> Pre-employment and periodical health examination had been conducted and records maintained properly.
91	Transportation of hazardous chemicals shall be done as per provisions of Motor Vehicles Act & Rules.	<b>Complied.</b> Hazardous chemicals had been transported as per the provisions of Motor Vehicles Act & Rules.
92	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	<b>Complied.</b> All the mitigation measures as per the Risk Assessment Report had been implemented.
93	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	<b>Complied.</b> Permissions from regulatory authorities such as PESO, DGMS etc. had been obtained.
<b>B.2.5 NOISE</b>		
94	The company shall make all arrangements for control of noise from the drilling activities.	<b>Complied.</b> The DG sets had been provided with acoustic enclosures for control of noise.
95	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation, hoods, silencers enclosures etc. on all source of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act & Rules, 1986 amended from time to time.	<b>Complied.</b> DG sets had been provided with acoustic enclosures for control of noise. Work zone noise and ambient Noise monitoring had been carried out at drill site. Parameters are found within the prescribed standards.
96	Noise levels for workers shall be as per the factories Act & Rules.	<b>Complied.</b> Work zone noise and ambient noise monitoring have been carried out at drill site. Parameters are found to be within the prescribed standards.
<b>B.2.6 CLEANER PRODUCTION AND WASTE MINIMIZATION</b>		
97	The unit shall undertake the Cleaner Production Assessment study through a reputed institute/ organisation and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Exploratory drilling is a short term and temporary activity. Cleaner Production assessment study will be taken up in future for any development and full-fledged production phase.
98	The company shall undertake various waste minimisation measures such as:	
	a. Metering and control of quantities of active ingredients to minimize waste.	<b>Not applicable</b>
	b. Reuse of by-products from the process as raw materials or as raw materials substitutes.	<b>Complied</b> Chemicals such as TEG are being regenerated to minimize the waste chemical quantity.
	c. Use of automated and close filling to minimize spillages.	<b>Not applicable</b>
	d. Use of close feed system into batch reactors.	<b>Not applicable</b>
	e. Venting equipment through vapour recovery system.	<b>Not applicable</b>
	f. Use of high-pressure hoses for cleaning to reduce wastewater generation.	<b>Not applicable</b>
	g. Recycling of washes to subsequent batches.	<b>Not applicable</b>
h. Recycling of steam condensate.	<b>Not applicable</b>	

S. No.	EC Conditions	Status of Compliance
	i. Sweeping/mopping of floor instead of floor washing to avoid effluent generation	<b><u>Not applicable</u></b>
	j. Regular preventing maintenance for avoiding leakage, spillage etc.	<b><u>Complied.</u></b> Periodic inspections and maintenance being carried out to avoid any leakage and spillage.
<b>B.2.7 GREEN BELT AND OTHER PLANTATION</b>		
99	The unit shall develop green belt with premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on sides and suitable open areas in GIDC estates or any other open areas in consultation with the GIDC/ GPCB and submit and action plan of plantation for next three years to the GPCB.	Drilling is a short-term activity, hence greenbelt not feasible for the project. The well have been temporarily plugged as no commercially viable discovery was found. Green development will be carried out, during development and production phase.
100	Drip irrigation/ low volume, lo angle sprinkler system shall be used for green belt development with the premises.	Drilling is a short-term activity, hence greenbelt not feasible for the project. The well have been temporarily plugged as no commercially viable discovery was found. Green development will be carried out, during development and production phase.
101	The project proponent shall be allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC/s office memorandum no. F. No. 22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	<b><u>Noted</u></b> Status of EC compliances are regularly being submitted in six-monthly compliance reports June and Dec every year. Six-monthly compliance reports are uploaded in company website on every six-months.
102	Rain water harvesting of surface as well as rooftop runoff shall be undertaken an the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Drilling is a short-term activity, hence harvesting not feasible for the project. Two drilling site wells have been plugged and abandoned, and drill sites have been restored, as no commercially viable discovery was found. Green development will be carried out, during development and production phase in future wells.
103	The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the industrial association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	<b><u>Noted</u></b>
104	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Drilling is a short-term activity, hence solar energy not feasible for the project. Two drilling site wells have been plugged and abandoned, and drill sites have been restored, as no commercially viable discovery was found.
105	The areas earmarked as green area shall be used only for plantation and shall not be altered for any other purposes.	Drilling is a short-term activity, hence harvesting not feasible for the project. Two drilling site wells have been plugged and abandoned, and drill sites have been restored, as no commercially viable discovery was found. Green development will be carried out, during development and production phase in future wells.

S. No.	EC Conditions	Status of Compliance
106	All the communities/ undertaking given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhere to.	<u>Noted</u>
107	The project proponent shall also comply with any additional condition that be imposed by the SEAC or the SEIAA or any other competent authority for the environmental protection and management.	<u>Noted</u>
108	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	<u>Noted</u>
109	The project authorities must strictly adhere to the stipulations made by the GPCB, state Govt and any statutory authority.	<u>Noted</u>
110	During material transfer there shall be no spillage and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<u>Noted</u>
111	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	<u>Noted</u>
112	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	<u>Noted</u>
113	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior EC from the concerned authority.	<u>Noted</u>
114	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous waste (Management, Handling and Transboundary Movement) Rules 2008 and Public Liability Act, 1991 along with their amendments and rules.	<u>Noted</u>
115	The project proponent shall comply all the conditions mentioned in the "The companies ((Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.	<u>Noted</u>
116	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	All the environment protection measures, risk mitigation measures and safeguards proposed in EMP in EC application will be complied with.
117	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<u>Complied.</u> All the commitments given to the SEAC during the appraisal process for the purpose of environmental protection and management are being strictly adhered to.
118	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the	<u>Complied.</u> Public has been informed that project accorded environmental clearance by SEIAA by

S. No.	EC Conditions	Status of Compliance
	clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	advertisement in Newspaper dated on 16th March 2023 in The Times of India and The Gujarat Samachar.
119	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> Dec of each calendar year.	<b><u>Complied.</u></b> Half-yearly compliance reports have been regularly submitted to the concerned regulatory authorities as due on 01 <sup>st</sup> June and 01 <sup>st</sup> Dec of each calendar year.
120	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 the clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b><u>Noted.</u></b>
121	The project authorities shall also adhere to the stipulations made by the GPCB.	<b><u>Noted.</u></b>
122	The SEIAA may revoke a suspend the clearance, if implement of any of the above conditions is not found satisfactory.	<b><u>Noted.</u></b>
123	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulated additional conditions, if the same found necessary.	<b><u>Noted.</u></b>
124	The project authorities shall inform the GPCB, Regional office of MoEF and SEIAA about the dates of financial closures and final approval of the project by the concerned authorities and the date of start of the project.	<b><u>Noted.</u></b>
125	This environmental clearance is valid for Seven years from the date of issue.	<b><u>Noted.</u></b>
126	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.	<b><u>Noted.</u></b>
127	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	<b><u>Noted.</u></b>