

Date: 14.11.2024

Ref.: CB-ONHP-2017/3/EC/Dec-24/1

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 April 2024 to September 2024.

Thanking you,

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


Dilip Kumar Bera
DGM- Environment



Enclosures: As above

Copy to:

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

VEDANTA LIMITED

Cairn Oil & Gas: ASF Center Tower A, 362-363, Jwala Mill Road, Phase IV, Udyog Vihar, Sector 18, Curugram - 122016, Haryana, India
T +91 124 459 3000 | F +91 124 414 5612 | www.cairnindia.com

Registered Office: Vedanta Limited, 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai - 400093, Maharashtra, India | T +91 22 664 34500 | F +91 22 664 34530 | www.vedantalimited.com

CIN: L13209MH1965PLC291394

**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:	April 2024 to September 2024
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:	Project defined in EC: <ul style="list-style-type: none"> • Drilling of Exploratory & Appraisal Wells: 17 Nos. • Early Production: 8000 BOPD crude oil and 1.2 MMSCFD associated Natural gas.
	Overall Status: Two exploratory well has been drilled till date. <ol style="list-style-type: none"> 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 drillsite, The well has been plugged & abandoned as per the OISD standard, the site has been restored and handed over to landowners. 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 is no commercially viable discovery at this drillsite. The well has been plugged & abandoned as per the OISD standard, the site has been restored and handed over to landowners.

S. No.	Conditions	Compliance
A. SPECIFIC CONDITIONS		
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))	Noted.
2	No drilling shall be carried out in protected areas.	Noted. No project activity in protected area.
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.	To be complied with.
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	To be Complied with. ETP will be installed during drilling for treatment & reuse of treated effluent.

S. No.	Conditions	Compliance
	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 th august 2005.	
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.	To be complied with. Accidental oil spill has been incorporated in the overall emergency response plan (ERP) of the operation.
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.	To be complied with, in case of non-availability of hydrocarbons
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 ground water aquifer.	To be complied with. Double casing policy will be adopted.
8	PP shall take all precautionary measures to avoid any contamination of ground water.	To be complied with. Adequate measures such as HDPE line for pits, waste management etc. will be implemented.
9	The National Ambient Air Quality Emission standards issued by the Ministry vide GSR no. 826 (E) dated 16 th November 2009 shall be complied.	To be complied with.
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.	To be complied with.
11	The project proponent must strictly adhere to the stipulations made by the Gujarat PCB, State Government and/or any other statutory authority.	To be complied with.
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.	To be complied with. Preventive measures will be adapted like avoidance and extinguished of all naked flame, stopping the source of leakage etc.
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.	Vedanta has Environmental Policy and plans which will be implemented during site work. Environmental manual has been prepared and will be implemented.
14.	Safety & Health	

S. No.	Conditions	Compliance
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.	To be complied with. Adequate safety measures will be adopted. Mock drill will be carried out as per ERP.
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.	To be complied with All necessary measures such as PPEs will be provided to the workers at drilling site.
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.	To be complied with. Necessary fire protection measures will be taken. Blow out preventer will also be installed.
d)	Personal Protective Equipment's (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	To be complied with. PPEs will be provided to the workers.
e)	First Aid Box shall be made readily available in the unit.	To be complied with. First aid box will be provided.
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.	To be complied with.
g)	The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed.	To be complied with. Necessary fire protection measures will be taken.
h)	Blow out preventer system shall be installed to prevent well blowouts during drilling operations.	To be complied with. Blow out preventer will be installed during drilling.
i)	Emergency response plan shall be based on the guidance by OISD DGMs and Govt. of India.	To be complied with. ERP will be prepared.
A.2. WATER		
15	Total water requirement for the project shall not exceed 105 KLD per well (87KLD for drilling & 18KLD 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.	To be complied with.
16	PP shall not dig borewell for freshwater requirements.	To be complied with. No ground water will be extracted for this project.
17	The industrial effluent generation from the project shall not exceed 40 KLD per well.	To be complied with.

S. No.	Conditions	Compliance																																						
18	Total industrial effluent generated from the project shall be treated in mobile ETP followed by UF & RO and reused back in process.	To be complied with. ETP will be installed for treatment & reuse of effluent.																																						
19	PP shall obtain prior permission for disposal of treated effluent.	No discharge of effluent.																																						
20	Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from premises.	To be complied with.																																						
21	Domestic wastewater generation shall not 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.	To be complied with. Treated water will be reused within the premises for miscellaneous purposes.																																						
22	<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) or 2x 1850 KVA (one working and one standby)</td> <td>10</td> <td>HSD</td> <td>11-13</td> <td>PM10, NOx</td> <td rowspan="5">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</td> </tr> <tr> <td>2</td> <td>Camp Site- 2 X 350 KVA (one working and one standby)</td> <td>7</td> <td>HSD</td> <td>2 - 3</td> <td>PM10, NOx</td> </tr> <tr> <td>3</td> <td>Liquid Mud Pump (LMP)- 3X250 KVA (two working and one standby)</td> <td>7</td> <td>HSD</td> <td>1.5 - 2</td> <td>PM10, NOx</td> </tr> <tr> <td>4</td> <td>Radio Room- 2X100 KVA (one working and one standby)</td> <td>10</td> <td>HSD</td> <td>0.74 - 1.5</td> <td>PM10, NOx</td> </tr> <tr> <td>5</td> <td>Testing Flare Stack</td> <td>30</td> <td></td> <td></td> <td>PM10, NOx, SO₂</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) or 2x 1850 KVA (one working and one standby)	10	HSD	11-13	PM10, NOx	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	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 ₂	To be complied with.
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S. No.	Conditions						Compliance
6		EPU Requirement - 1X500 KVA (Emergency Backup), GEG 1 MW	10	HSD NG	3-4 KLD 283.16 m3/hr	<p>efficient elevated flare tip; and Location of flare stacks to be chosen considering the sensitive receptors adjoining the site.</p> <p>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</p>	
<p>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.</p>							
23	Unit shall provide buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.						To be complied with. Storage tank of treated water will be provided.
24	The unit shall provide metering facility at the ETP, UF, RO & STP and maintain records for the same.						To be complied with.
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.						To be complied with.
A. 3. AIR:							
26	Unit shall not exceed fuel consumption for DG set as mentioned below:						To be complied with.
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.

S. No.	Conditions					Compliance
29	<p>The fugitive emissions in the work zone environment shall be monitored. The emissions shall conform to the standards prescribed by the concerned authorities from time to time (e.g Directors of Industrial Safety & Health).following indicative guidelines shall also be followed to reduce the fugitive emissions.</p> <ul style="list-style-type: none"> • Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. • Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. 					<p>To be complied with. Measures for prevention and control of fugitive emissions to be taken such as;</p> <ul style="list-style-type: none"> • Regular sprinkling of water • Speed limit of vehicles • Covering of raw material
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/Annunum)	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).	
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	

S. No.	Conditions						Compliance
	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	
<ul style="list-style-type: none"> A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive and transport dust emission. 							
30	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.						Not applicable.
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.						To be complied with.
A.4. SOLID/ HAZARDOUS WASTE							
32	All the hazardous waste management shall be taken care as mentioned below:						To be complied with.
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 sites respectively.						To be complied with.
A.5. OTHER:							
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-						Complied. An expenditure of INR 2.30 Crores has been incurred for the various environment management activities in FY: 2021-22

S. No.	Conditions	Compliance
	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.	including waste management, environment monitoring etc.
37	All the environmental protection measures and safeguards 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.	To be complied with.
B. GENERAL CONDITIONS: B.1 CONSTRUCTION PHASE:		
38	Water demand during construction shall be reduced by use of curing agent, super plasticizers and other best construction practices.	Note applicable.
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 water sprinkling shall be done in vulnerable areas for control fugitive emissions.	To be complied with. Regular water sprinkling will be done at site to reduce dust/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.	To be complied with.
41	First aid box shall be made readily available in adequate quantity at all the times.	To be complied with. First aid box will be 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.	Not applicable.
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.	To be complied with.
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.	To be complied with. Acoustic enclosures will be provided with the DG sets.
45	Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.	No disposal.

S. No.	Conditions	Compliance
46	All topsoil excavated during construction activity shall be used in horticultural/ landscape development within the project site.	To be complied with.
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.	To be complied with.
48	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Not applicable.
49	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the EAct 1986 and its subsequent amendments from time to time.	Not applicable.
50	"wind-breaker of appropriate height i.e. 1/3 rd of the building height and maximum upto 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.	Not applicable.
51	"no uncovered vehicles carting construction material and waste shall be permitted".	Noted.
52	"No loose soil or sand or construction material and waste shall be permitted."	Noted.
53	Roads leading to or at construction site must be paved and blacktopped (i.e metallic roads)	Not applicable.
54	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted.
55	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing	To be complied with.
56	Grinding and cutting of building materials in open area shall be prohibited.	Not applicable.
57	Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	To be complied with.
58	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site (if applicable).	Not applicable.
B.2. OPERATION PHASE		
B.2. 1 WATER:		
59	The water meter shall be installed and records daily and monthly water consumption shall be maintained.	Water consumption records are available at site during operation.
60	The efforts shall be made to optimize water consumption by exploring Best Available Technology	No discharge of effluent from site.

S. No.	Conditions	Compliance
	(BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	
B.2.2 AIR		
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 alongwith half yearly compliance report.	Not applicable
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.	To be complied with.
63	Stack/Vents (whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/ process gas emissions.	To be complied with.
64	Flue gas emission & process gas emission (if any) shall conform to the standards prescribed by the GPCB/ CPCB/MoEF&CC. at no time, emission level should go beyond the stipulated standards.	Noted for compliance.
65	All the reactors/ vessels used in the manufacturing process shall be closed to reduced the fugitive emission.	Not applicable.
B.2.3 HAZARDOUS/ SOLID WASTE		
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.	To be complied with.
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.	To be complied with.
68	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (whichever is applicable)	To be complied with.
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.	To be complied with.
70	The design of the trucks/ tankers shall be such that there is no spillage during transportation.	To be complied with.

S. No.	Conditions	Compliance
71	All possible efforts shall be made for co-processing of the Hazardous waste prior to disposal into TSDF/ CHWIF.	To be complied with.
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.2.4 SAFETY		
73	The occupier/ manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	To be complied with the requirements of OMR under DGMS.
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.	Shall be complied with as applicable.
75	Main entry and exit shall be separate and clearly marked in the facility.	To be complied with.
76	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicles around the premises.	To be complied with.
77	Storage of flammable chemicals shall be provided near the plant and storage area.	To be complied with.
78	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	To be complied with.
79	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	To be complied with.
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.	Not applicable.
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.	To be complied with.
82	Only flame proof electrical fittings shall be provided in the plant premises.	To be complied with.
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.	To be complied with.
84	All the storage tanks shall be fitted shall be fitted with appropriate controls to avoid any leakages.	To be complied with.

S. No.	Conditions	Compliance
	Bund/dykes walls shall be provided for storage tanks for 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.	Not applicable.
86	Tie up shall be done with nearby health care unit/ doctor for seeking immediate attention in the case of emergency.	To be complied with.
87	Personal protective equipment's (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	To be complied with.
88	First Aid box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	To be complied with.
89	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	To be complied with.
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.	To be complied with.
91	Transportation of hazardous chemicals shall be done as per provisions of Motor Vehicles Act & Rules.	To be complied with.
92	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	To be complied with.
93	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	To be complied with.
B.2.5 NOISE		
94	The company shall make all arrangements for control of noise from the drilling activities.	To be complied with.
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.	To be complied with.
96	Noise levels for workers shall be as per the factories Act & Rules.	To be complied with.
B.2.6 CLEANER PRODUCTION AND WASTE MINIMIZATION		
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.	Exploration and early production are short term and temporary activities. CP assessment study will be taken up in development and full-fledged production stage.

S. No.	Conditions	Compliance
98	<p>The company shall undertake various waste minimisation measures such as:</p> <p>a. Metering and control of quantities of active ingredients to minimize waste.</p> <p>b. Reuse of by-products from the process as raw materials or as raw materials substitutes.</p> <p>c. Use of automated and close filling to minimize spillages.</p> <p>d. Use of close feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system.</p> <p>f. Use of high-pressure hoses for cleaning to reduce wastewater generation.</p> <p>g. Recycling of washes to subsequent batches.</p> <p>h. Recycling of steam condensate.</p> <p>i. Sweeping/mopping of floor instead of floor washing to avoid effluent generation</p> <p>j. Regular preventing maintenance for avoiding leakage, spillage etc.</p>	<p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>Not applicable</p> <p>To be complied with.</p>
B.2.7 GREEN BELT AND OTHER PLANTATION		
99	<p>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.</p>	<p>Drilling is a short term and temporary activity. Green belt will be developed in case of commercially viable discovery and during development & production.</p>
100	<p>Drip irrigation/ low-volume, lo angle sprinkler system shall be used for green belt development with the premises.</p>	
101	<p>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.</p>	<p>Noted for compliance.</p>
102	<p>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-</p>	<p>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.</p>

S. No.	Conditions	Compliance
	treatment must be done to remove suspended matter.	
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.	Noted for compliance.
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.	Not feasible, as exploration & early production is a short-term temporary activity.
105	The areas earmarked as green area shall be used only for plantation and shall not be altered for any other purposes.	Noted
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.	To be complied with.
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.	Noted.
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.	Noted
109	The project authorities must strictly adhere to the stipulations made by the GPCB, state Govt and any statutory authority.	Noted
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.	Noted for compliance
111	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	To be complied with.
112	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted
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.	Noted
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	Noted

S. No.	Conditions	Compliance
	(Management, Handling and Transboundary Movement) Rules 2008 and Public Liability Act, 1991 alongwith their amendments and rules.	
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.	Noted
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.	Noted for compliance
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.	Noted
118	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the 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.	Complied. Public has been informed that project accorded environmental clearance by SEIAA by 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 st June and 1 st Dec of each calendar year.	Noted and will be complied with.
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.	Noted
121	The project authorities shall also adhere to the stipulations made by the GPCB.	Noted
122	The SEIAA may revoke a suspend the clearance, if implement of any of the above conditions is not found satisfactory.	Noted
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.	Noted

S. No.	Conditions	Compliance
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.	Noted
125	This environmental clearance is valid for Seven years from the date of issue.	Noted
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.	Noted
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.	Noted