

Date: 14.11.2024

Ref.: CB-ONHP-2017/10/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 and Early Production in CB-ONHP-2017/10, Dist. Banaskantha, Gujarat.

Ref: EC letter no. SEIAA/GUJ/EC/1(b)/1349/2020 dated 02.07.2021

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-2017/10 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

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

Project name:	Onshore Oil & Gas Exploration & Appraisal and Early Production at CB-ONHP-2017/10, hydrocarbon block, District: Banaskantha, State: Gujrat.
Environmental Clearance letter no.:	SEIAA/GUJ/EC/1(b)/1349/2020 dated 02.07.2021
Reporting period:	April 2024 to Sep 2024
Project activity during reporting period:	No exploratory & appraisal well drilling and early production activities carried out in the 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: 54 Nos. • Early Production: 20000 BOPD Crude oil and 3.0 MMSCFD associated Natural gas.
	Overall Status: No Exploratory & Appraisal and Early Production activities carried out in CB-ONHP-2017/10 block till date.

S. No.	EC Conditions	Compliance Status
A I.	Special Condition	
1	Project proponent (PP) shall obtain separate environmental clearance for commercial drilling & exploration as this proposal is for drilling of exploration activity only as per EIA Notification 2006 and amendment dated 16.01.2020 (Category B2 of activity 1(b)).	Noted.
2	No drilling shall be carried out in protected area.	No drilling in protected area.
3	The Company shall make all arrangements at the drilling site to prevent runoff of any oil containing waste into nearby water bodies. Separate drainage system shall be created for oil contamination & non-oil contaminated. Effluent shall be properly treated & treated wastewater shall confirm to CPCB/ GPCB standard.	To be complied with.
4	Drilling cuttings separated from drilling fluid shall be adequately washed & disposed according to HWMH rule, 2006. No effluent / drilling mud/ drilling cutting shall be discharged/disposed of 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 th August, 2005.	To be complied with.
5	Oil Spillage prevention & 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 (oil Sludge) and spent oil shall be disposed of to the authorized recycler.	To be complied with.
6	After completion of drilling activities case of non-availability of hydrocarbons, the site shall be restored back to its normal condition as per the prevailing rules/ guidelines/ site restoration policy.	To be complied with.
7	PP shall adopt best drilling practices & drilling operations shall designed in such a way that there is no chance of contamination of ground water aquifer.	To be complied with.

S. No.	EC Conditions	Compliance Status
8	PP shall take all precautionary measures to avoid any contamination of ground water.	To be complied with.
9	The national Ambient air quality emission standards issued by ministry vide G.S.R no. 826(E) dated 16 th November,2009 shall be complied with.	To be complied with.
10	Unit shall have to adhere to prevailing area specific policies of GPCB with respect to the 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 Gujrat pollution Control Board, state Government and/or any other statutory authority.	Noted for compliance.
12	The company shall develop a contingency plan for H2S release including all necessary aspects from evacuation to resumption of normal operation. The workers shall be provided with personal H2S detectors in locations of high risk of exploration along with self-containing breathing apparatus.	Noted for compliance.
13	Company shall prepare operating manual in respect of all activities, which would cover all safety & 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 related at each level of management. All the schedules and results of environmental monitoring shall be available at the project site office. Report monitoring of site should be done.	To be complied with.
14	Safety & Health	
A	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety & display proper evacuation plan in the manufacturing area in case of any emergency or accident.	To be complied with.
B	PP shall take all the necessary steps for human safety within premises to ensure that no harm is caused to any workers/employee or labour within premises.	To be complied with.
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 submit disaster management plan (DMP) to the concern authority based as such probably scenarios.	To be complied with.
D	Personal protective equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	To be complied with.
E	First Aid box shall be made readily available in the unit.	To be complied with.
F	Occupational health surveillance of the workers shall be done, and its records shall be maintained employment and periodical medical examination for all the workers shall be undertaking on regular basis as per factory act and rules.	To be complied with.
G	The company shall take necessary measures to prevent fire hazards, contain oil spill & soil remediation as needed.	To be complied with.
h	Blow out preventer system shall be installed to prevent well blowouts during drilling operation.	To be complied with.

S. No.	EC Conditions	Compliance Status														
I	Emergency response plan shall be based on the guidance prepared by OISD, DGMs & Gov. of India.	To be complied with.														
A2 Water																
15	Total water requirement for the project shall not exceed 87 KLD per well drilling. Unit shall reuse 36 KLD per well of treated industrial effluent within premises. Hence, freshwater requirement shall not exceed 51 KLD per well and it shall be met through tanker	To be complied with.														
16	PP shall not dig bore- well for freshwater requirements.	To be complied with. No borewell to be drilled for water need.														
17	The industrial effluent generation from each early production location from the project shall not exceed 235 KLD	To be complied with														
18	The total industrial effluent generated from various activities shall be treated in mobile ETP and reused back in process.	To be complied with.														
19	PP shall obtain prior permission for disposal of treated effluent.	To be complied with.														
20	Zero Liquid discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	To be complied with.														
21	Domestic wastewater generation shall not exceed 12 KL/day/well drilling for proposed project and 2 Kl/day for each early production location and it shall be treated is STP. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.	To be complied with.														
22	During monsoon season when treated sewage may not be required for the plantation/gardening/green- belt purpose, it shall be stored with in premises. There shall be no discharge of wastewater outside the premises in any case.	To be complied with.														
23	Unit shall provide buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	To be complied with.														
24	The unit shall provide metring facility at the ETP & STP and maintain records for same.	Noted for compliance.														
25	Proper logbooks of ETP & STP, treated effluent reused in gardening /plantation, chemical consumption 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.														
A3 Air																
26	Unit shall not exceed fuel consumption for drilling site, camp site, liquid mud pump, radio room and testing flare as mentioned below: <table border="1" data-bbox="231 1742 965 2038"> <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 emission i.e., Air pollution</th> <th>Air Pollution control measures (APCM)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drilling site- 3x1000 KVA (two working and one standby) or 2x1850 KVA</td> <td>10</td> <td>HSD</td> <td>11-13</td> <td>PM10 , NOx</td> <td>Exhausts of diesel generators will be positioned at a</td> </tr> </tbody> </table>	S. No.	Source of emission with Capacity	Stack Height (Meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emission i.e., Air pollution	Air Pollution control measures (APCM)	1	Drilling site- 3x1000 KVA (two working and one standby) or 2x1850 KVA	10	HSD	11-13	PM10 , NOx	Exhausts of diesel generators will be positioned at a	To be complied with.
S. No.	Source of emission with Capacity	Stack Height (Meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emission i.e., Air pollution	Air Pollution control measures (APCM)										
1	Drilling site- 3x1000 KVA (two working and one standby) or 2x1850 KVA	10	HSD	11-13	PM10 , NOx	Exhausts of diesel generators will be positioned at a										

S. No.	EC Conditions						Compliance Status	
		(one working and one standby)					sufficient height to ensure	
2	Camp Sit-2x350 KVA (one working and one Standby)	7	HSD	2-3	PM10 , NOx		dispersal of exhaust emission; periodic maintenanc	
3	Liquid Mud Pump (LMP)-3x250 KVA (two working and one standby)	7	HSD	1.5-2	PM10 , NOx		e of DG sets will be undertaken.	
4	Radio Room-2x100 KVA (One working and one standby)	10	HSD	0.75-1.5	PM10 , NOx			
5	Testing Flare Stack	30			PM10 , NOx, SOx		Engineering controls to ensure	
6	Diesel fired Heater-treater or IWBH (induced water bath Heater) with well testing/Extended well testing set up 350 KVA						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.	
7	EPU Requirement-1x500 KVA (Emergency Backup), GEG 1MW	10	HSD NG	2-4KLD 283.16 m3/hr	PM10 , NOx, SO2		Exhausts of diesel generators will be positioned at a sufficient	
8	Dual fuel (Diesel/Gas) fired Heater-treater or IWBH (Induced water bath heater 800 KVA)	6	NG or HSD	0.25MMSCFD or 4 KLD	PM10, NOx, SO2		height to ensure dispersal of exhaust emission. Periodic maintenance of DG sate will be undertaken	
27	Unit shall provide adequate APCM with flue gas generation as mentioned above:						Not applicable.	

S. No.	EC Conditions	Compliance Status												
28	There shall be no process gas emission from drilling & exploration activities and other ancillary operations.	Not applicable.												
29	The fugitive emission in the work zone environment shall be monitored. The emission 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 emission.	Not applicable.												
30	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	Not applicable.												
31	Air born dust shall be Controlled with water sprinklers at suitable locations in the plant.	Not applicable.												
32	A green belt shall be developed all around the plant boundary and along the roads to mitigate fugitive & transport dust emission.	Exploratory drilling is a very short term & temporary activity. In case of commercially viable discovery of hydrocarbons and during development & production greenbelt will be developed.												
33	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Not applicable												
34	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and 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 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 the GPCB.	To be complied with.												
35	All the hazardous waste management shall be taken care as mentioned below: <table border="1" data-bbox="231 1310 965 2016"> <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>HWSc -1 cat.2. 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 a 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	HWSc -1 cat.2. 1	500-1500 tons/well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as a fuel substitute, common hazardous waste TSDF, HW processing facility.	To be complied with.
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	HWSc -1 cat.2. 1	500-1500 tons/well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016 (Co processing in cement kiln as a fuel substitute, common hazardous waste TSDF, HW processing facility.									

S. No.	EC Conditions					Compliance Status	
	2	Spent/residual drilling mud	Drilling	HW Sc-1 cat.2.3	250-500 ton/well	Collection in HDPE lined pit and disposal as per Hazardous waste Rules,2016 (Co processing in cement kiln as a fuel substitute, common hazardous waste TSDF, HW processing facility.	
	3	Used Lubricating oil	Others	HW Sc-1 cat.2.2	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	Other	HW Sc-1 cat.2.2	250-500 tons/well	Disposal as per Hazardous and other wastes (Management and Transboundary Movement) Rules,2016.	
During Early Production Phase							
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	Oily sludge/residues form	Well work over, crude storage tank bottom cleaning	HW Sc-1 cat.2.2	20 ton/Year	Oil sludge will be disposed as per hazardous Waste Rules,2016		
2	Waste oil (slop oil)	Well work over, crude storage tank bottom cleaning	HW Sc-1 cat.4.3	2 Tone/Year	Waste Oil will be disposed as per hazardous Waste Rules,2016		
3	ETP Sludge	ETP operation	HW Sc-1 cat.2.2	120 Ton/Year	ETP sludge will be disposed as per hazardous		

S. No.	EC Conditions						Compliance Status
						Waste Rules,2016	
4	Used oil/spent oil	DG Sets maintenance and other misc.	HW Sc-1 cat. 2.2	1KL/Yr.		Used oil will be send CPCB authorized recycler.	
5	Oil contaminated filter, cottons, rags, gloves etc.	Misc. maintenance	HW Sc-1 cat. 2.2	0.3kl/yr.		Will disposed as per Hazardous waste rules, 2016	
6	Waste/residues containing oil	Well work over	HW Sc-1 cat. 2.2	0.5 tons/yr.		Waste/residues containing oil will disposed as per Hazardous waste Rules,2016.	
7	Spent chemicals	Well work over	HW Sc-1 cat. 2.2	0.6 KL/Yr.		The Spent Chemicals will be disposed as per Hazardous waste Rules ,2016.	
8	Spent carbon	ETP/STP	HW Sc-1 cat.36.2	3 ton/yr.		The Spent carbon will be disposed as per hazardous waste rules, 2016.	
9	Discarded containers/barrels/liner contaminated with hazardous waste	Well work over	HW Sc -1 cat.33.1	50 Nos./yr.		The discarded containers will be disposed as per Hazardous Waste Rules,2016.	
36	Authorized end-users shall have permission from the concerned authorities under the rule 9 of the hazardous and other wastes (Management and Transboundary Movement) rules 2016.						To be complied with.
37	Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable & land fillable wastes before sending to CHWIF &TSDf sites respectively.						To be complied with.
38	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 & management.						Noted.
39	Necessary permissions as mandated under water (prevention & control of pollution) act,1974 and the air (prevention and						Noted.

S. No.	EC Conditions	Compliance Status
	control of pollution) act,1981, as per applicable from time to time, shall be obtained from the State Pollution Control Board.	
40	The project proponent shall allocate the separate fund of Rs. 7.24 Crores towards CER activities as MoEFCC,s office memorandum No.F.No.22-65/2017-IA.III. dated 30/09/2020.The entire activities proposed under CER shall be monitored and the monitoring report shall be posted on the project proponent.	Noted.
41	All the environmental protection measures and safeguards proposed in the form-1 & PFR submitted by the project proponent and commitment made in their application shall be strictly adhered to in letter and spirit.	Noted.
B	General Condition	
B1	Construction Phase	
42	Water demand during construction shall be reduced of curing agents, super plasticizers and other best construction practices.	To be complied with.
43	Project proponent shall ensure that surrounding environment shall not be affected duo to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable area	To be complied with.
44	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.
45	First Aid Box shall be made readily available in adequate quantity at all the time.	To be complied with.
46	The project proponent shall strictly comply with the building and other construction workers9regulation of employment & condition of services) Act 1996 and Gujrat rules made there under & their subsequent amendments. Local by-laws of concern authority shall be complied in letter and spirit.	Noted.
47	Ambient noise levels shall conform to residential standard both during day & night incremental pollution load on the ambient air and noise quality shall be complied in letter & sprint	To be complied with.
48	Use of Diesel Generator (DG) sets during Construction please Shall be strictly equipped with acoustic enclosure and shall conform to the EIA rules for air & noise emission standard.	To be complied with.
49	Use self-disposal wastewater and municipal solid wastes generated during the construction phase shall be ensured.	To be complied with.
50	All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.	To be complied with.
51	Excarnated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be despised off with the approval of the competent authority after taking the necessary precautions for general safety & health aspects. Disposal of the excavation earth during construction phase shall not create adverse effect on neighbouring communities.	To be complied with.

S. No.	EC Conditions	Compliance Status
52	Project proponent shall ensure use of Eco-friendly building materials including fly ash bricks, fly ash paver blocks, ready mix concrete (RMC) & lead-free paints in the project.	Not applicable.
53	Fly ash shall be used in construction wherever applicable as per the provision of the fly ash notification under EP act.1986 & its subsequent amendments from time to time.	Not applicable.
54	Windbreaker of appropriate height i.e., 1/3 rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.	Not applicable.
55	“No uncovered vehicles carrying construction material and waste shall be permitted”	Noted.
56	“No loose soil or sand of construction & demolition waste or any other construction materials cause dust shall be left uncovered. Uniform piling & proper storage of sand to avoid fugitive emissions.	Noted.
57	Roads leading to or at construction site must be paved & black topped (i.e.-metallic roads)	Noted.
58	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	To be complied with.
59	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	To be complied with.
60	Grinding & cutting of building materials in open area shall be prohibited.	Not applicable.
61	Construction material & waste should be stored only within remarked area & read site storage of construction material and waste shall be prohibited.	To be complied with.
62	Construction and demolition waste processing & disposal site shall be identified and required dust mitigation measures be notified at the site (if applicable).	Not applicable.
B2 Operation Phase		
B2 1 Water		
63	The water meter shall be installed, and records of daily & monthly water consumption should be maintained.	Noted.
64	All 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.	Noted.
B2 2 Air		
65	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment unit shall carry out third party monitoring of the proposed spray dryer and its APCM through the credible institutes and study report for impacts on environment & Human health shall be submitted to GPCB every year along with half yearly compliance report.	Not applicable
66	Acoustic enclosure shall be provided to the DG sets (if applicable) to mitigate the noise pollution and shall confirm to the EPA rules for air and noise emission standards.	To be complied with.

S. No.	EC Conditions	Compliance Status
67	Stack/vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/process gas emission.	To be complied with.
68	Flue gas emission & process gas emission (if any) shall conform to the standard prescribed by the GPCB/CPCB/ MoEF & CC. At no time, emission level should go beyond the stipulated standard.	Noted for compliance.
69	All the reactor/Vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Not applicable.
B2 3 Hazardous Waste/Solid waste		
70	The company shall strictly comply with the rules and regulations with regards to handling & disposal of hazardous in accordance with hazardous & other wastes (Management & transboundary Movement) rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous waste.	Noted for compliance.
71	Hazardous waste shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility before its disposal.	Noted for compliance.
72	The unit shall obtain necessary permission from the herby TSDF site and CHWIF (whichever is applicable)	To be complied with.
73	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the motor vehicle act,1988, and rule made there under.	To be complied with.
74	The design of the trucks/tankers shall such that is no spillage during transportation.	Noted for compliance.
75	All possible efforts shall be made for co-processing of hazardous waste prior to disposal in to TSDF/CHWIF	To be complied with.
76	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 of fly ash to be generated from the unit.	Not applicable.
B2 4 Safety		
77	The Occupier/manager shall strictly comply the provisions under the factories act 1948 and the Gujrat Factories rules 1963.	Noted for compliance.
78	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 the hazardous chemicals etc. Necessary approvals from the chief controller of explosive and concerned Gov. authorities shall be obtained before commissioning of the project. Requisite on-site and off-site disaster management plans have to be prepared and implemented.	Noted for compliance.
79	Main entry and exit shall be separate and clearly marked in facility.	To be complied with.

S. No.	EC Conditions	Compliance Status
80	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises.	To be complied with.
81	Storage of flammable chemicals shall be sufficiently away from the production area.	Noted for compliance.
82	Sufficient number of fire extinguishers shall be provided near the plant & storage area.	To be complied with.
83	All necessary precautionary measures shall be taken to avoid any kind of accident during storage & handling of toxic/hazardous chemicals.	Not applicable.
84	All the toxic/hazardous chemicals shall be stored in optimum quantity an all-necessary permission in this regard shall be obtained before commencing the expansion activities.	Noted for compliance.
85	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the risk assessment report.	Noted for compliance.
86	Only flam proof electrical fitting shall be provided in the plant premises.	To be complied with.
87	Storage of hazardous chemicals shall be maintained, and it shall be in multiple small capacity tanks/containers instead of the single large capacity tank/container.	To be complied with.
88	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund /dyke walls shall be provided for storage tanks for hazardous chemicals.	Noted for compliance.
89	Handling and changing of chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	To be complied with.
90	Tie up shall be done with nearby health care unit/doctor for seeking immediate medical attention in the case of emergency.	Not applicable.
91	Personal protective equipment (PPEs) shall be provided to workers and its usage shall be insured and supervised.	Noted for compliance.
92	First Aid box and required antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Noted for compliance.
93	Training shall be imparted to all workers on safety and health aspects of chemical handling	To be complied with.
94	Occupational health surveillance of workers shall be done, and its records shall be maintained pre-employment and periodical medical examination for all the workers shall be undertaken as per the factories act & rules.	To be complied with.
95	Transportation of hazardous chemicals shall be done as per provisions of motor vehicle act & rules.	Noted for compliance.
96	The company shall implement all prevention and mitigation measures suggested in risk assessment reports.	To be complied with.
97	Necessary permission from various statutory authorities like PESO, factory inspectorate & others shall be obtained prior to commissioning of the project.	Not applicable.
B2 5	Noise	

S. No.	EC Conditions	Compliance Status
98	The company shall make all arrangement for control of noise from drilling activities.	To be complied with.
99	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation, hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under Environment(Protection) Act & Rules,1986 amended from time to time.	To be complied with.
100	Noise level for workers shall be as per the factory act & rules.	Noted for compliance
B2.6	Cleaner Production and Waste Minimisation	
101	The unit shall undertake the cleaner production assessment study through a reputed institute /Organization and shall form a CP team in company. The recommendations thereof along with compliance shall be furnished to the GPCB.	Exploration is a short term and temporary activities. CP assessment study will be taken up in development and full-fledged production stage.
102	The company shall undertake various waste minimization measures such as:	
a	Metring & control of quantities of active ingredients to minimize waste.	Not applicable
b	Reuse of by-products from the process as raw materials or as raw materials substitutes.	Not applicable
c	Use of automated and close filling to minimizes spillage.	Not applicable
d	Use of close feed system into batch reactors.	Not applicable
e	Venting equipment through vapour recovery system.	Not applicable
f	Use of high-pressure hoses for cleaning of reduce wastewater generation.	Not applicable
h	Re-cycle of washes to subsequent batches.	Not applicable
i	Sweeping/moping of floor instead of floor washing to avoid effluent generation.	Not applicable
j	Regular preventive maintenance for avoiding leakage and spillage.	Not applicable
B2.7	Greenbelt and Other Plantation	Not applicable.
103	The unit shall develop green belt with in premises as per the CPCB guideline, however, if the adequate land is not available with in premises the unit shall take up adequate plantation on road side and suitable open areas in GIDC estates or any other open areas in consultation with the GIDC/GPCL and submit an action plan of plantation for next three years to the GPCB.	To be complied with, in case of commercially viable discovery of hydrocarbons and during production.
104	Drip irrigation/Low-volume, Low angle Sprinkler System shall be used for the green belt development within the premises.	
B.3	Other Condition	
105	The project proponent shall 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 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	Noted for compliance.

S. No.	EC Conditions	Compliance Status
	monitoring report shall be posted on the website of the project proponent.	
106	Rainwater harvesting of surface as well as rooftop runoff shall be undertaken, and the same water shall be used for the various activities of project to conserve fresh water as well as to recharge ground water. Before recharging the surface runoff, retreatment must be done to remove the suspended matter.	Not applicable, drilling is a very short term activity.
107	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 Gov./GIDC.	Noted for compliance.
108	Application of solar energy shall be incorporated for illumination of common area, lighting for gardens and street lighting in addition the provision for solar water heater shall also be provided.	Not applicable, drilling is a very short term activity.
109	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Noted
110	All the commitments/undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	To be complied with.
111	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 for the environmental protection and management.	Noted
112	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
113	The project authorities must strictly adhere to the stipulations made by Gujrat Pollution Control Board (GPCB), state Government and any other statutory authority.	Noted
114	During material transfer there shall be no spillages and a drainage system shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Noted for compliance
115	Pucca flooring/impervious layer shall be provided in the work area, chemical storage areas and chemical handling areas to minimize soil contamination.	To be complied with.
116	Leakage from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted
117	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance.	Noted
118	The above conditions will be enforced, inter-alia under the provisions of 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)	Noted

S. No.	EC Conditions	Compliance Status
	Rules,2008 and public Liability Insurance Act.1991 along with their amendments and rules	
119	The project proponent shall comply all the conditions mentioned in the companies (Corporate Social Responsibility Policy) Rules,2014 and its amendments from time to time in a letter and spirit.	Noted
120	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
121	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted
122	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 the clearance letter.in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujrati language and other in English. A copy of each of the same shall be forwarded to the concerned Regional office of the ministry.	Public has been informed that project accorded environmental clearance by SEIAA by advertisement in Newspaper dated 16 th March 2023 in “The Times of India” and “The Gujarat Samachar”.
123	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 December of each colander year.	Complied. Half yearly compliance report being submitted to regulatory bodies regularly.
124	Concealing factual data or submission of false/fabricated date and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attach action under the provision of Environment (protection) Act,1986.	Noted
125	The Project authorities shall also adhere to the stipulations made by Gujrat Pollution Control Board.	Noted
126	The SEIAA may revoke or suspend the clearance. If implementation of any of the above conditions is not found satisfactory.	Noted
127	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted
128	The Project authorities shall inform the GPCB, Regional office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and date of start of project.	Noted
129	This Environmental Clearance is valid for seven year from the date of issue.	Noted

S. No.	EC Conditions	Compliance Status
130	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.	
131	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