

Date: 14.11.2024

Ref.: CB-ONHP-2018/3/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 and Early Production in CB-ONHP-2018/3 block in Kheda & Anand Districts, Gujarat.

Ref: File no. SIA/GJ/25802/2022 dated 10.11.2022, EC Identification no. EC22B002GJ134206

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-2018/3 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
3. The Member Secretary, SEIAA, Gujarat

VEDANTA LIMITED

Cairn Oil & Gas: ASF Center Tower A, 362-363, Jwala Mill Road, Phase IV, Udyog Vihar, Sector 18, Gurugram - 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-2018/3 block, (519.17 km ²) in Kheda & Anand Districts of Gujarat.
Environmental Clearance letter no.:	SIA/GJ/25802/2022 dated 10.11.2022, EC Identification no. EC22B002GJ134206
Reporting period:	April 2024 to September 2024
Project activity during reporting period:	No drilling and well testing/ early production activities started at site during this reporting period.
Overall status of activities w.r.t. project defined in EC:	<p>Project defined in EC:</p> <ul style="list-style-type: none"> • Drilling of Exploratory & Appraisal Wells: 57 Nos. • 12 no. of Early Production Units/ Quick Production Unit: 24,000 BOPD Crude Oil and 40 MMSCFD associated Natural Gas. <p>Overall Status: No Exploratory, Appraisal and Early Production activities carried out in CB-ONHP-2018/3 block till date.</p>

S. No.	EC Conditions	Compliance Status
A .1	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 areas.	No PAs/ ESZ involved.
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 standards.	To be complied with.
4	Drill cuttings separated from drilling fluid shall be adequately washed & 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 the 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 (oily sludge) and spent oil shall be disposed of to the authorized recyclers.	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.
8	PP shall take all precautionary measures to avoid any contamination of groundwater.	To be complied with.
9	The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R no. 826(E) dated 16 th November,2009 shall be complied with.	To be complied with.

S. No.	EC Conditions	Compliance Status
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. Remote 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 probable 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. Pre-employment and periodical medical examination for all the workers shall be undertaking on regular basis as per Factories Act & 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 operations.	To be complied with.
i	Emergency response plan shall be based on the guidance prepared by OISD, DGMS & Gov. of India.	To be complied with.
A.2 Water		
15	Total water requirement for the project shall not exceed 87 KLD per well drilling. Unit shall reuse 41 KLD per well of treated industrial effluent within premises. Hence, freshwater requirement shall not exceed 46 KLD per well 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 borewell to be drilled for freshwater water requirement.

S. No.	EC Conditions	Compliance Status
17	The industrial effluent generation from each early production location from the project shall not exceed 235 KLD.	To be complied with
18	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 KLD/well drilling for proposed project and 2 KLD for each early production location and it shall be treated is STP/Septic Tank & Soak Pit system. Treated sewage shall be utilized for dust suppression, etc. 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:	To be complied with.																																							
<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 colspan="7">Drilling a well</td> </tr> <tr> <td>1</td> <td>Drilling Rig- 3x1000 KVA (2W and 1S) or 2x1850 KVA (1W and 1S)</td> <td>10</td> <td>HSD</td> <td>15-18</td> <td>PM10, NOx</td> <td rowspan="4">Exhausts of diesel generators will be positioned at a sufficient height to ensure dispersal of exhaust emission; periodic maintenance of DG sets will be undertaken.</td> </tr> <tr> <td>2</td> <td>Camp Site- 2x350 KVA (1W and 1S)</td> <td>6</td> <td>HSD</td> <td>3-4</td> <td>PM10, NOx</td> </tr> <tr> <td>3</td> <td>Liquid Mud Pump (LMP)- 3x500 KVA (2W and 1S)</td> <td>6</td> <td>HSD</td> <td>2-3</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>1-2</td> <td>PM10, NOx</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)	Drilling a well							1	Drilling Rig- 3x1000 KVA (2W and 1S) or 2x1850 KVA (1W and 1S)	10	HSD	15-18	PM10, NOx	Exhausts of diesel generators will be positioned at a sufficient height to ensure dispersal of exhaust emission; periodic maintenance of DG sets will be undertaken.	2	Camp Site- 2x350 KVA (1W and 1S)	6	HSD	3-4	PM10, NOx	3	Liquid Mud Pump (LMP)- 3x500 KVA (2W and 1S)	6	HSD	2-3	PM10, NOx	4	Radio Room- 2x100 KVA (One working and one standby)	10	HSD	1-2	PM10, NOx
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S. No.	EC Conditions						Compliance Status	
	5	Testing Flare Stack	30	-	-	PM10, NOx, SOx	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	Diesel fired Heater - treater or IWBH (Induced Water Bath Heater) with well testing/ Extended well testing set up 1x350 KVA	6	HSD	3 KLD	PM10, NOx, SO2		
Each Early Production Location								
	7	GEG 1 MW	10	NG	283.16	PM10, NOx,		
	8	EPU Requirement- 1x500 KVA (Emergency Backup)	6	HSD	0.12 KLD	PM10, NOx, SO2		
	9	Flaring for each Early production location	30	NG	71 m3/ hour	NOx, SO2		
	10	Dual fuel (Diesel/Gas) fired Heater-Treater or IWBH (Induced Water Bath Heater 1x800 KVA)	6	NG or HSD	0.25MMSCFD or 4 KLD	PM10, NOx, SO2		
	11	Natural gas fired heater for TEG regeneration 1X250 KVA	6	NG	0.4 MMSCFD	NOx, SO2		
	12	Compressor (Gas Engine Driven) 2X 800 KVA (1W+1S)	6	NG	0.23 MMSCFD NOx, SO2	NOx, SO2		
27	Unit shall provide adequate APCM with flue gas generation sources:							Not applicable.
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.

S. No.	EC Conditions	Compliance Status																		
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.	No 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	<p>All the hazardous waste management shall be taken care as mentioned below: Drilling Operation (from drilling a well)</p> <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 excluding those from WBM</td> <td>Drilling</td> <td>HW Sc-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 fuel substitute, common hazardous waste TSDF, HW processing facility/ Brick manufacturing</td> </tr> <tr> <td>2</td> <td>Drilling mud containing oil (SBM)</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,</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 excluding those from WBM	Drilling	HW Sc-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 fuel substitute, common hazardous waste TSDF, HW processing facility/ Brick manufacturing	2	Drilling mud containing oil (SBM)	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,	To be complied with.
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S. No. EC Conditions						Compliance Status
					HW processing facility)	
3	Used oil/ spent 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	Other	HW Sc-1 cat.2.2	250-500 tons/well	Disposal as per Hazardous and other Wastes (Management and Transboundary Movement) Rules,2016.	
5	Spent Chemical	Drilling	HW Sc-I cat.32.1	0.6 ton/well	Collection in HDPE lined pit and disposal in Co processing in cement kiln/common Hazardous waste TSDF/ HW processing facility.	
6	Wastes or residues containing oil	Drilling	HW Sc-I cat.5.2	0.5 ton/well	Disposal in Co processing in cement kiln/common Hazardous waste TSDF/ HW processing facility.	
7	Empty barrels / containers/ liners contaminated with hazardous chemicals/wastes	Drilling	HW Sc-I cat.33.1	50 nos./well	Will be sent to recyclers.	
8	Chemical sludge from Wastewater treatment	Drilling	HW Sc-I cat.35.3	120 ton/well	Collection in HDPE lined pit and disposal in Coprocessing in cement kiln/ common Hazardous waste TSDF/ HW processing facility.	
Early Production (from each early production location)						
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	Well work over, crude storage tank	HW Sc-1 cat. 2.2	20 Ton/year	Collection in HDPE lined pit and disposal in co processing	

S. No.		EC Conditions					Compliance Status
			bottom cleaning			in cement kiln/ common hazardous waste TSDf/HW Processing facility	
	2	Waste oil (Slop oil)	Well work over, crude storage tank bottom cleaning	HW Sc-1 cat. 4.3	2 Ton/Year	Waste Oil will be disposed as per hazardous Waste Rules, 2016	
	3	ETP Sludge	ETP operation	HW Sc-1 cat. 34.2	120 Ton/Year	Collection in HDPE lined pit and disposal in co processing in cement kiln/ common hazardous waste TSDf/HW Processing facility.	
	4	Used oil/ spent oil	DG Sets maintenance and other mis	HW Sc-1 cat. 5.1	1KL/Yr.	Used oil will be send CPCB authorized recyclers.	
	5	Oil contaminated filter, cottons, rags, gloves etc.	Misc. maintenance	HW Sc-1 cat. 3.3	0.3 ton/yr.	Will be sent CPCB authorized recyclers.	
	6	Waste /residues containing oil	Well work over	HW Sc-1 cat. 5.2	0.5 KL/Yr.	Collection in HDPE lined pit and disposal in co processing in cement kiln/ common hazardous waste TSDf/HW Processing facility.	
	7	Spent chemicals	Well work over	HW Sc-1 cat. 5.2	0.5 ton/yr.		
	8	Spent carbon	ETP/STP	HW Sc-1 cat.36.2	3 ton/yr.		
	9	Discarded containers/barrels/ liner contaminated with hazardous waste	Well work over	HW Sc -1 cat.33.1	50 Nos./yr.	Collection, storage, transportation and sold to registered recyclers	
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.	
A 5	OTHER:						
38	The project proponent shall allocate fund of Rs. 6.875 Crores (in 4 years) towards CER activities as MoEF&CC's Office Memorandum No. F.No. 22-65/2017-IA.III dated 30/09/2020. The entire activities					Noted.	

S. No.	EC Conditions	Compliance Status
	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.	
39	All the environmental protection measures and safeguards proposed in the Form-2, Form-1, EMP&PFR submitted by the project proponent and commitments made in their application shall be strictly adhered to in letter and spirit.	Noted.
B	GENERAL CONDITION	
B1	CONSTRUCTION PHASE	
40	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	To be complied with.
41	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 area for controlling fugitive emission.	To be complied with.
42	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.
43	First Aid Box shall be made readily available in adequate quantity at all the times.	To be complied with.
44	The project proponent shall strictly comply with the Building and other Construction Worker's (Regulation of Employment & Condition of Services) Act 1996 and Gujrat rules made there under and their subsequent amendments. Local by-laws of concern authority shall be complied in letter and spirit.	Noted.
45	Ambient noise levels shall conform to residential standard both during day & night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.	To be complied with.
46	Use of Diesel Generator (DG) sets during Construction please shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air & noise emission standards.	To be complied with.
47	Safe disposal of wastewater and municipal solid waste generated during the construction phase shall be ensured.	To be complied with.
48	All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.	To be complied with.
49	Excavated 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 disposed 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.
50	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.
51	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.

S. No.	EC Conditions	Compliance Status
52	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.
53	“No uncovered vehicles carrying construction material and waste shall be permitted”	Noted.
54	“No loose soil or sand or construction & demolition waste or any other construction materials cause dust shall be left uncovered. Uniform piling & proper storage of sand to avoid fugitive emissions shall be ensured.	Noted.
55	Roads leading to or at construction site must be paved & blacktopped (i.e.-metallic roads).	Noted.
56	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	To be complied with.
57	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	To be complied with.
58	Grinding & cutting of building materials in open area shall be prohibited.	Not applicable.
59	Construction material & waste should be stored only within remarked area & road side storage of construction material and waste shall be prohibited.	To be complied with.
60	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	
61	The water meter shall be installed, and records of daily & monthly water consumption shall be maintained.	Noted.
62	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	
63	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 & 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
64	Acoustic enclosure 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.
65	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.
66	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.
67	All the reactors/Vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Not applicable.
B2.3	HAZARDOUS WASTE/SOLID WASTE	

S. No.	EC Conditions	Compliance Status
68	The company shall strictly comply with the rules and regulations with regards to handling & disposal of Hazardous waste in accordance with Hazardous & Other Wastes (Management and 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.
69	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.
70	The unit shall obtain necessary permission from the herby TSDf site and CHWIF (whichever is applicable)	To be complied with.
71	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.
72	The design of the Trucks/Tankers shall such that there is no spillage during transportation.	Noted for compliance.
73	All possible efforts shall be made for Co-Processing of Hazardous waste prior to disposal in to TSDf/CHWIF	To be complied with.
74	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	
75	The Occupier/ manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories rules 1963.	Noted for compliance.
76	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.
77	Main entry and exit shall be separate and clearly marked in facility.	To be complied with.
78	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.
79	Storage of flammable chemicals shall be sufficiently away from the production area.	Noted for compliance.
80	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	To be complied with.
81	All necessary precautionary measures shall be taken to avoid any kind of accident during storage & handling of toxic/hazardous chemicals.	Not applicable.
82	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.
83	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.

S. No.	EC Conditions	Compliance Status
84	Only flame proof electrical fitting shall be provided in the plant premises.	To be complied with.
85	Storage of hazardous chemicals shall be minimized, and it shall be in multiple small capacity tanks/containers instead of the single large capacity tank/containers.	To be complied with.
86	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.
87	Handling and charging of chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	To be complied with.
88	Tie up shall be done with nearby health care unit/doctor for seeking immediate medical attention in the case of emergency.	Not applicable.
89	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be insured and supervised.	Noted for compliance.
90	First Aid box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Noted for compliance.
91	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	To be complied with.
92	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.
93	Transportation of hazardous chemicals shall be done as per provisions of Motor Vehicle Act & Rules.	Noted for compliance.
94	The company shall implement all preventive and mitigation measures suggested in Risk Assessment Reports.	To be complied with.
95	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	
96	The company shall make all arrangement for control of noise from drilling activities.	To be complied with.
97	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 conform to the standards prescribed under Environment (Protection) Act & Rules, 1986 amended from time to time.	To be complied with.
98	Noise levels for workers shall be as per the Factory Act & Rules.	Noted for compliance
B2.6	CLEANER PRODUCTION AND WASTE MINIMISATION	
99	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.	Exploratory drilling is a short term and temporary activity. CP assessment study will be taken up in development and full-fledged production phase.
100	The company shall undertake various waste minimization measures such as:	
a	Metering & control of quantities of active ingredients to minimize waste.	Not applicable

S. No.	EC Conditions	Compliance Status
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
g	Re-cycle of washes to subsequent batches.	Not applicable
h	Recycling of steam condensate.	
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.
101	The unit shall develop green belt within premises as per the CPCB guideline. However, if the adequate land is not available within premises the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estates or any other open areas in consultation with the GIDC/GPCB and submit an action plan of plantation for next three years to the GPCB.	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.
102	Drip irrigation/Low-volume, Low angle Sprinkler System shall be used for the green belt development within the premises.	Not applicable.
B 3	OTHER CONDITION	
103	PP shall submit an undertaking within 10 days that they will comply all the conditions resultant to the queries raised by SEIAA and submit first before within 15 days from the date of installation and subsequent report of compliance in 3 months and 6 months respectively.	Noted for compliance.
104	Project Proponent shall contribute to conservation of Great Indian Bustard by way of sponsoring shifting overhead cables to underground in consultation with Deputy Conservation of Forest, Kutch (west) and Forest and Environment Department, Sachivalaya Gandhinagar. This condition is as per the clarification given in para 3 of OM of MoEF&CC GOI dated 25.02.2021. The expenditure of supporting above activities will be within the total outlay of CER including the other activities committed by PP.	Not applicable, drilling is a very short-term activity.
105	Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Noted for compliance.
106	Project proponent shall display the copy of Environment Clearance at the site prominently.	Not applicable, drilling is a very short term activity.
107	Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.	Noted
108	Project Proponent will have to display the safety procedure in working area.	To be complied with.
109	The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.	Noted
110	Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEI / Common Spray Dryer as the case may be.	Noted

S. No.	EC Conditions	Compliance Status
111	Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.	Noted
112	Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.	Noted for compliance
113	integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.	To be complied with.
114	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 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.	Noted
115	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and 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.	Noted
116	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
117	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.	Noted for compliance
118	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Noted
119	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.	Noted for compliance
120	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 for compliance
121	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
122	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Noted
123	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water	Noted
124	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Noted

S. No.	EC Conditions	Compliance Status
125	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted
126	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted
127	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 Wastes (Management, Handling _ and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted
128	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
129	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.
130	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.	To be complied with.
131	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 Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Public has been informed that project has been accorded the environmental clearance by SEIAA, Gujarat through Public Notice published in Newspaper Times of India and Gujarat Samachar dated 16 th March 2023.
132	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 1st June and 1st December of each calendar year.	Complied. Half yearly compliance report is being submitted to the concerned regulatory authorities regularly.
133	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Being complied.
134	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted.
135	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
136	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.

S. No.	EC Conditions	Compliance Status
137	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 the date of start of the project.	Noted.
138	This environmental clearance is valid for seven years from the date of issue.	Noted.
139	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.
140	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.
B.4	COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:	
141	Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Noted.
142	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.	Noted.
143	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.	Noted.
144	The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.	Noted.
145	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.	Noted.
146	Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted.
147	All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com (b) seacgujarat@gmail.com	Noted.