

Date: 14.11.2024

Ref.: CB-ONHP-2018/1/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-2018/1 block, Dist. Mehsana & Patan, Gujarat.

Ref: EC letter no. SEIAA/GUJ/EC/1(b)/807/2022 dated 28.03.2022

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-2018/1 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

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

Project name:	Onshore Oil & Gas Exploration, Appraisal and Early Production in CB-ONHP-2018/1 block, District: Mehsana & Patan, State: Gujarat
Environmental Clearance letter no.:	No. SEIAA/GUJ/EC/1(b)/807/2022 dated 28.03.2022
Reporting period:	April 2024 to September 2024
Project activity during reporting period:	No exploratory drilling & appraisal and early production activities carried out during 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: 25 Nos. • Early Production Units (EPUs)/ Quick Production Units (QPUs): 6 Nos. • Early Production: 12000 BOPD Crude oil and 20.0 MMSCFD associated Natural gas.
	Overall Status: No Exploratory drilling & Appraisal and Early Production activities carried out in CB-ONHP-2018/1 block till date.

S. No.	EC Conditions	Compliance Status
A 1.	SPECIFIC 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 site is proposed 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 standards.	Noted for compliance. However, no activity being carried out in the reporting period.
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 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 th August 2005.	Noted for compliance. However, no activity being carried out in the reporting period.
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 recycler.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.

S. No.	EC Conditions	Compliance Status
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.	Noted for compliance. However, no activity being carried out in the reporting period.
8	PP shall take all precautionary measures to avoid any contamination of ground water.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
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 detectors in locations of high risk of exploration along with self-containing breathing apparatus.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
D	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Noted for compliance. However, no activity being carried out in the reporting period.
E	First Aid box shall be made readily available in the unit.	Noted for compliance. However, no activity being carried out in the reporting period.
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 Factory Act and Rules.	Noted for compliance. However, no activity being carried out in the reporting period.

S. No.	EC Conditions	Compliance Status
G	The company shall take necessary measures to prevent fire hazards, contain oil spill & soil remediation as needed.	Noted for compliance. However, no activity being carried out in the reporting period.
h	Blow out preventer system shall be installed to prevent well blowouts during drilling operation.	Noted for compliance. However, no activity being carried out in the reporting period.
I	Emergency response plan shall be based on the guidance prepared by OISD, DGMs & Gov. of India.	Noted for compliance. However, no activity being carried out in the reporting period.
A2 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.	Noted for compliance. However, no activity being carried out in the reporting period.
16	PP shall not dig bore- well for freshwater requirements.	Complied. No borewell drilled for water need.
17	The industrial effluent generation from each early production location from the project shall not exceed 235 KLD.	Noted for compliance. However, no activity being carried out in the reporting period.
18	Total industrial effluent generated from various activities shall be treated in mobile ETP and reused back in process.	Noted for compliance. However, no activity being carried out in the reporting period.
19	PP shall obtain prior permission for disposal of treated effluent.	Noted for compliance. However, no activity being carried out in the reporting period.
20	Zero Liquid Discharge (ZLD) status shall be maintained all the time and there shall be no drainage connection from the premises.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
23	Unit shall provide buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	Noted for compliance. However, no activity being carried out in the reporting period.
24	The unit shall provide metring facility at the ETP & STP and maintain records for the same.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
A3 AIR:		

S. No.	EC Conditions						Compliance Status
26	Unit shall not exceed fuel consumption for drilling site, camp site, liquid mud pump, radio room and testing flare as mentioned below:						Noted for compliance. However, no activity being carried out in the reporting period.
S. No.	Source of emission with capacity	Stack Height (Meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emission i.e., Air pollutants	Air Pollution control measures (APCM)	
1	Drilling site- 3x1000 KVA (two working and one standby) or 2x1850 KVA (one working and one standby)	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 Sit- 2x350 KVA (one working and one Standby)	6	HSD	3-4	PM10, NOx		
3	Liquid Mud Pump (LMP)- 3x500 KVA (two working and one standby)	6	HSD	2-3	PM10, NOx		
4	Radio Room- 2x100 KVA (One working and one standby)	10	HSD	1-2	PM10, NOx		
5	Testing Flare Stack	30	-	-	PM10, NOx, SO ₂	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, SO ₂		
Early Production Activities							
7	GEG 1MW	10	NG	283.16 m3/hr	PM10, NOx,	Exhausts of diesel	

S. No.	EC Conditions							Compliance Status
	8	EPU Requirement- 1x500 KVA (Emergency Backup)	6	HSD	3-4 KLD	PM10, NOx, SO2	generators will be positioned at a sufficient height to ensure dispersal of exhaust emission. Periodic maintenance of DG sate will be undertaken	
	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		
27	Unit shall provide adequate APCM with flue gas generation as mentioned above:							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.
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 also 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.							Noted for compliance. However, no activity being carried out in the reporting period.
A.4	SOLID / HAZARDOUS WASTE							

S. No.	EC Conditions					Compliance Status																														
35	<p>All the hazardous waste management shall be taken care as mentioned below:</p> <p>Drilling Operation (from drilling a well)</p> <table border="1" data-bbox="288 331 1034 2089"> <thead> <tr> <th data-bbox="288 331 344 539">S. No.</th> <th data-bbox="344 331 555 539">Type/ Name of Hazardous waste</th> <th data-bbox="555 331 683 539">Specific source of generation (Name of the activity, product etc.)</th> <th data-bbox="683 331 778 539">Category and Schedule as per HW Rules</th> <th data-bbox="778 331 890 539">Quantity (MT/Annum.)</th> <th data-bbox="890 331 1034 539">Management of HW</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 539 344 1122">1</td> <td data-bbox="344 539 555 1122">Drill cuttings excluding those from WBM</td> <td data-bbox="555 539 683 1122">Drilling</td> <td data-bbox="683 539 778 1122">HW Sc-1 cat. 2.1</td> <td data-bbox="778 539 890 1122">500-1500 tons/well</td> <td data-bbox="890 539 1034 1122">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 / Brick manufacturing.</td> </tr> <tr> <td data-bbox="288 1122 344 1648">2</td> <td data-bbox="344 1122 555 1648">Drill mud containing oil (SBM)</td> <td data-bbox="555 1122 683 1648">Drilling</td> <td data-bbox="683 1122 778 1648">HW Sc-1 cat. 2.3</td> <td data-bbox="778 1122 890 1648">250-500 tons/well</td> <td data-bbox="890 1122 1034 1648">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> <tr> <td data-bbox="288 1648 344 1973">3</td> <td data-bbox="344 1648 555 1973">Used oil/ spent oil</td> <td data-bbox="555 1648 683 1973">Others</td> <td data-bbox="683 1648 778 1973">HW Sc-1 cat. 5.1</td> <td data-bbox="778 1648 890 1973">1-2 ton/well</td> <td data-bbox="890 1648 1034 1973">Disposal as per Hazardous and Other Wastes (Management and Transboundary movement) Rules 2016.</td> </tr> <tr> <td data-bbox="288 1973 344 2089">4</td> <td data-bbox="344 1973 555 2089">Sludge containing oil and other drilling waste</td> <td data-bbox="555 1973 683 2089">Other</td> <td data-bbox="683 1973 778 2089">HW Sc-1 cat. 2.2</td> <td data-bbox="778 1973 890 2089">250-500 tons/well</td> <td data-bbox="890 1973 1034 2089">Disposal as per Hazardous and other</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 a fuel substitute, common Hazardous waste TSDF, HW processing facility / Brick manufacturing.	2	Drill mud containing oil (SBM)	Drilling	HW Sc-1 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 a fuel substitute, common Hazardous waste TSDF, HW processing facility.)	3	Used oil/ spent oil	Others	HW Sc-1 cat. 5.1	1-2 ton/well	Disposal as per Hazardous and Other Wastes (Management and Transboundary movement) Rules 2016.	4	Sludge containing oil and other drilling waste	Other	HW Sc-1 cat. 2.2	250-500 tons/well	Disposal as per Hazardous and other	<p>Noted for compliance. However, no activity being carried out in the reporting period.</p>
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																															
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3	Used oil/ spent oil	Others	HW Sc-1 cat. 5.1	1-2 ton/well	Disposal as per Hazardous and Other Wastes (Management and Transboundary movement) Rules 2016.																															
4	Sludge containing oil and other drilling waste	Other	HW Sc-1 cat. 2.2	250-500 tons/well	Disposal as per Hazardous and other																															

S. No.	EC Conditions					Compliance Status
					wastes (Management and Transboundary Movement) Rules, 2016.	
5	Spent Chemical	Drilling	HW Sc-1 cat.32.1	0.6 tons/week	Collection in HDPE lined pit and disposal in Co processing in cement kiln/ common Hazardous waste TSD/ HW Processing facility	
6	Wastes or residues containing oil	Drilling	HW Sc-1 cat.5.2	0.5 tons/week	Disposal in Co processing in cement kiln/ common Hazardous waste TSD/ HW processing facility.	
7	Empty barrels /container / liners contaminated with hazardous chemicals /wastes	Drilling	HW Sc-1 cat.33.1	50 nos./week	Will be sent to recyclers.	
8	Chemical sludge from wastewater treatment	Drilling	HW Sc-1 cat.35.3	120 tons/week	Collection in HDPE lined pit and disposal in Co processing in cement kiln / common Hazardous waste TSD/ 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 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	

S. No.	EC Conditions					Compliance Status
2	Waste oil (slop oil)	Well work over, crude storage tank bottom cleaning	HW Sc-1 cat. 4.3	2 Tonne/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	ETP sludge will be disposed as per hazardous Waste Rules, 2016	
4	Used oil/ spent oil	DG Sets maintenance and other misc.	HW Sc-1 cat. 5.1	1 KL/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 KL/yr.	Will disposed as per Hazardous Waste Rules, 2016	
6	Waste/residues containing oil	Well work over	HW Sc-1 cat. 5.2	0.5 KL/yr.	Waste/residues containing oil will disposed as per Hazardous Waste Rules, 2016.	
7	Spent chemicals	Well work over	--	0.6 tones/Year.	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 permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.					Noted for compliance. However, no activity being carried out in the reporting period.

S. No.	EC Conditions	Compliance Status
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.	Noted for compliance. However, no activity being carried out in the reporting period.
A.5 OTHER		
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 and management.	Noted.
39	Necessary permissions as mandated under Water (Prevention & 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 the State Pollution Control Board.	Noted.
40	The project proponent shall carry out the 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.	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	
B.1	CONSTRUCTION PHASE:	
42	Water demand during construction shall be reduced by using of curing agents, super plasticizers and other best construction practices.	Noted for compliance. However, no activity being carried out in the reporting period.
43	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.	Noted for compliance. However, no activity being carried out in the reporting period.
44	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Noted for compliance. However, no activity being carried out in the reporting period.
45	First Aid Box shall be made readily available in adequate quantity at all the time.	Noted for compliance. However, no activity being carried out in the reporting period.
46	The project proponent shall strictly comply with the Building and Other Construction Workers' (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.
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 closely monitored during construction phase.	Noted for compliance. However, no activity being carried out in the reporting period.
48	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.	Noted for compliance. However, no activity being carried out in the reporting period.

S. No.	EC Conditions	Compliance Status
49	Safe-disposal wastewater and municipal solid wastes generated during the construction phase shall be ensured.	Noted for compliance. However, no activity being carried out in the reporting period.
50	All topsoil excavated during construction activity shall be used in horticultural/landscape development within the project site.	Noted for compliance. However, no activity being carried out in the reporting period.
51	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 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.	Noted for compliance. However, no activity being carried out in the reporting period.
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 Fly Ash Notification under E.P. Act.1986 & its subsequent amendments from time to time.	Not applicable.
54	“Wind-breaker of appropriate hight i.e., 1/3 rd of the building hight 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 caring 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 pilling & proper storage of sand to avoid fugitive emissions shall be ensured.	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.	Noted for compliance. However, no activity being carried out in the reporting period.
59	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
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.
B.2	OPERATION PHASE	
B2.1	WATER:	
63	The water meter shall be installed and records of daily & monthly water consumption shall be maintained.	Noted.

S. No.	EC Conditions	Compliance Status
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 & it's 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.	Noted for compliance. However, no activity being carried out in the reporting period.
67	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Noted for compliance. However, no activity being carried out in the reporting period.
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 standards.	Noted for compliance. However, no activity being carried out in the reporting period.
69	All the reactors/vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Not applicable.
B.2.3	HAZARDOUS WASTE/SOLID WASTE	
70	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 & 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 wastes.	Noted for compliance. However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
72	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
74	The design of the Trucks/tankers shall such that is no spillage during transportation.	Noted for compliance. However, no activity being carried out in the reporting period.
75	All possible efforts shall be made for Co-Processing of Hazardous waste prior to disposal in to TSDF/CHWIF.	Noted for compliance. However, no activity being carried out in the reporting period.
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.

S. No.	EC Conditions	Compliance Status
B.2.4	SAFETY:	
77	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	Noted for compliance. However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
79	Main entry and exit shall be separate and clearly marked in the facility.	Noted for compliance. However, no activity being carried out in the reporting period.
80	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/emergency vehicle around the premises.	Noted for compliance. However, no activity being carried out in the reporting period.
81	Storage of flammable chemicals shall be sufficiently away from the production area.	Noted for compliance. However, no activity being carried out in the reporting period.
82	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Noted for compliance. However, no activity being carried out in the reporting period.
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 permissions in this regard shall be obtained before commencing the expansion activities.	Noted for compliance. However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
86	Only flame proof electrical fitting shall be provided in the plant premises.	Noted for compliance. However, no activity being carried out in the reporting period.
87	Storage of hazardous chemicals shall be minimized, and it shall be in multiple small capacity tanks/containers instead of one single large capacity tank/containers.	Noted for compliance. However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
89	Handling and charging of chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Noted for compliance. However, no activity being carried out in the reporting period.
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.

S. No.	EC Conditions	Compliance Status
		However, no activity being carried out in the reporting period.
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. However, no activity being carried out in the reporting period.
93	Training shall be imparted to all workers on safety and health aspects of chemical handling	Noted for compliance. However, no activity being carried out in the reporting period.
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.	Noted for compliance. However, no activity being carried out in the reporting period.
95	Transportation of hazardous chemicals shall be done as per provisions of Motor Vehicle Act & Rules.	Noted for compliance. However, no activity being carried out in the reporting period.
96	The company shall implement all prevention and mitigation measures suggested in Risk Assessment Reports.	Noted for compliance. However, no activity being carried out in the reporting period.
97	Necessary permissions from various statutory authorities like PESO, Factory inspectorate and others shall be obtained prior to commissioning of the project.	Not applicable.
B.2. 5	NOISE:	
98	The company shall make all arrangement for control of noise from drilling activities.	Noted for compliance. However, no activity being carried out in the reporting period.
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 controls 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.	Noted for compliance. However, no activity being carried out in the reporting period.
100	Noise level for workers shall be as per the Factory Act & Rules.	Noted for compliance. However, no activity being carried out in the reporting period.
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

S. No.	EC Conditions	Compliance Status
f	Use of high-pressure hoses for cleaning of reduce wastewater generation.	Not applicable
g	Recycle of washes to subsequent batches.	Not applicable
h	Recycling of steam condensate.	
i	Sweeping/mopping of floor instead of floor washing to avoid effluent generation.	Not applicable
j	Regular preventive maintenance for avoiding leakage and spillage etc.	Not applicable
B.2.7	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 within the 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.	To be complied with, in case of commercially viable discovery of hydrocarbon 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	Project Proponent shall contribute to conservation of Great Indian Bustard by way of sponsoring shifting of overhead cables to underground, in consultation with Deputy Conservator of Forests, Kutch (west) and Forests 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.	Noted for compliance. However, no activity being carried out in the reporting period.
106	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. However, no activity being carried out in the reporting period.
107	Project proponent shall display the copy of Environment Clearance at the site prominently.	Noted.
108	Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.	Noted.
109	Project Proponent will have to display the safety procedure in working area.	Noted for compliance. However, no activity being carried out in the reporting period.
110	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 for compliance. However, no activity being carried out in the reporting period.
111	Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEE / Common Spray Dryer as the case may be.	Noted for compliance. However, no activity being carried out in the reporting period.
112	Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.	Noted for compliance. However, no activity being carried out in the reporting period.
113	Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.	Noted for compliance. However, no activity being carried out in the reporting period.

S. No.	EC Conditions	Compliance Status
114	Integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.	Noted for compliance. However, no activity being carried out in the reporting period.
115	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 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.	Noted for compliance. However, no activity being carried out in the reporting period.
116	Rainwater 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 runoff, pre-treatment must be done to remove suspended matter.	Exploration and appraisal drilling is a short-term process. Rainwater harvesting is not feasible.
117	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. However, no activity being carried out in the reporting period.
118	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. However, no activity being carried out in the reporting period.
119	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Noted for compliance. However, no activity being carried out in the reporting period.
120	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. However, no activity being carried out in the reporting period.
121	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. However, no activity being carried out in the reporting period.
122	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 for compliance. However, no activity being carried out in the reporting period.
123	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Noted for compliance. However, no activity being carried out in the reporting period.
124	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 for compliance. However, no activity being carried out in the reporting period.
125	Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Noted for compliance. However, no activity being carried out in the reporting period.
126	Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.	Noted for compliance.

S. No.	EC Conditions	Compliance Status
		However, no activity being carried out in the reporting period.
127	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.
128	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.
129	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 for compliance.
130	The project management shall ensure that unit complies with all the environment protection measures, risk mitigate on measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	To be complied with.
131	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.
132	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 accorded environmental clearance by SEIAA by advertisement in Newspaper dated on 16 th March 2023 in The Times of India and The Gujarat Samachar.
133	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 being submitted to regulatory bodies regularly.
134	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.	Noted.
135	The protect authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted.
136	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.

S. No.	EC Conditions	Compliance Status
137	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.
138	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.	
139	This environmental clearance is valid for seven years from the date of issue.	Noted.
140	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, 20'10.	Noted.
141	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:		
142	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.	To be complied with.
143	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.
144	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.	Complied.
145	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.
146	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.
147	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.
148	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.