Pro-Active and Responsive Facilitation by Interactive,

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## **Government of India** Ministry of Environment, Forest and Climate Change (Issued by the State Environment Impact Assessment Authority(SEIAA), GUJARAT)

To,

The GM-HSE BASIN OIL AND NATURAL GAS CORPORATION LIMITED Western Onshore Basin, ONGC, VADODARA -390009

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

3.

4.

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/GJ/IND2/412399/2022 dated 30 Jan 2023. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No. EC23B002GJ171220 2. File No. SIAAAA/GJ/IND/19602/2023

**Project Type** New Category

5. Project/Activity including

1(b) Offshore and onshore oil and gas Schedule No. exploration, development & production

Application for grant of EC for onshore Oil 6. Name of Project e Protects & Gas exploration and appraisal from 46 wells in 17 ML block in Mehsana, Gandhinagar, kheda and Anand districts of Gujarat.

7. Name of Company/Organization OIL AND NATURAL GAS **CORPORATION LIMITED** 

8. **Location of Project GUJARAT** 9. **TOR Date** N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

(e-signed) Asav P. Gadhvi Member Secretary Date: 26/07/2023 SEIAA - (GUJARAŤ)



Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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**ASAV P. GADHVI** MEMBER SECRETARY SEIAA (GUJARAT)



# **GOVERNMENT OF INDIA** MOEF & CC STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY **GUJARAT**

No. SEIAA/GUJ/EC/1(b)/923 /2023

Date:

1 9 JUL 2023

BY R.P.A.D. Time Limit

Sub: Environment Clearance to Oil and Natural Gas Commission (ONGC) for setting up of 'Offshore and onshore oil and gas exploration, Drilling of exploratory wells at 46 locations (Onshore) in 17 MLs at Charada ML, Charada Mansa ML, Langhnaj ML, Langhnaj-Wadasama ML, Mehsana City Ext-II ML, Nandasan Ext-I⊪ML, Nandasan-Langhnaj ML, North Sobhasan Ext-I ML, Sanganpur ML, Jotana -Warason ML, Jotana-South ML, North Kadi Ext-I (New) ML, Linch Ext-I ML, Linch Ext-II ML, Anklav Ext-I ML, Vadatal Ext-I PML and Nadiad PML in District of Mehsana, Gandhinagar, Kheda and Anand of Western Onshore Basin, ONGC, Gujarat. In Category 1(b) of Schedule annexed with EIA Notification dated 14/09/2006.

Your Proposal No. SIA/GJ/IND1/412399/2023. Ref:

Dear Sir.

This has reference to your application alongwith form-1, Pre-Feasibility Report, Environment Management Plan and other supporting documents dated 29/12/2022 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to onshore Oil and Gas Exploration in the Appraisal and early production in the Block CB-ONHP-2018/1 in Mehsana & Patan Districts, Gujarat. It is a proposed project is Onshore Exploration of Oil and Gas from 46 wells in 17 Blocks in Mehsana, Gandhinagar, Kheda and Anand districts of Gujarat. Application is made by Western Onshore Basin, ONGC, Vadodara. The project falls in Category B2 of activity 1(b) as per EIA Notification 2006 and amendment dated 16.01.2020. The blocks are located in Mehsana, Gandhinagar, Kheda and Anand districts of Gujarat. Drilling of 46 exploratory wells in 17 ML blocks is as under:-

Block: 1. Charada ML- 5 villages in Mansa Taluka of Gandhinagar District

Block: 2. Charada Mansa ML- 2 villages in Vijapur Taluka of Mehsana District, 1 village in Mehsana Taluka of MehsanaDistrict, 1 village in Mansa Taluka of Gandhinagar District

Block: 3. Langhnaj ML- 4 villages in Mehsana Taluka of Mehsana District

Block: 4. Langhnaj-Wadasama ML- 4 villages in Mehsana Taluka of Mehsana District, 3 villages in Mansa Taluka ofGandhinagar District

Block: 5. Mehsana City Ext-II- 5 villages in Mehsana Taluka of Mehsana District, 1 village in Visnagar Taluka of MehsanaDistrict

Block: 6. Nandasan Ext-I ML- 12 villages in Kadi Taluka of Mehsana District

Block: 7. Nandasan-Langhnai ML.

Block: 8. North Sobhasan Ext-I ML- 15 villages in Mehsana Taluka of Mehsana District

Block: 9. Sanganpur ML- 6 villages in Mehsana Taluka of Mehsana District

Block: 10. Jotana -Warason ML.

Block: 11. Jotana-South ML

Block: 12. North Kadi Ext-I (New) ML

Block: 13. Linch EXT-I ML

Block: 14. Linch Ext-II ML- 5 villages in Mehsana Taluka of Mehsana District, 1 village in Kadi Taluka of Mehsana District

Block: 15. Anklay Ext-I ML - 14 villages in Anklay Extn-I in Borsad and Anklay taluka of Anand district.

Block: 15. Anklav Ext-I ML - 14 Nadiad, Taluka of Kheda district. Block: 16. Vadatal Ext - I ML- 26 villages in Vadatal Extn-I ML in Petlad and Anand taluka of Anand district and

Block: 17. Nadiad ML- 06 villages in Nadiad ML in Nadiad taluka of Kheda district

encloses total block area is of 718.81 Sq. km. and is bounded by the points having following coordinates provided in below

Office: Gujarat Pollution Control Board, "Paryavaran Bhavarr" Sector-10 A, Gandhinagar-382010 Page 1 of 18 Phone No.:- (079) 232-32152,232-41514 Fax No.:- (079) 232-22784

E-mail: msseiaagj@gmail.com, Website:- www.seiaa.gujarat.gov.in

Table. It encloses above villages in Mehsana, Gandhinagar, Kheda and Anand districts. The proposed project is green field in nature. The proposed onshore oil and gas exploration & appraisal and early production is expected to carry out Drilling of 46 Nos. of exploratory (including appraisal) wells and the exploratory and appraisal wells will be drilled to explore the reservoirs up to a depth of Up to 1400 M - 2800 M (MD) approx. land requirement of each well is  $110 \times 110 \text{ m}$  for each well

Table 1: Apex Co-ordinates of Block boundary (as per RSC)

1. Charada ML

	1. Ollaidad ill		
	Block: Charada Mi	•	
	(10.6 sq. km.)		
	Coordinates (WGS-19	984)	
Point	Longitude (degrees)	Latitude (degrees)	
1	72.652446	23.477148	•
2	72.653537	23.500185	1 15 va. 1 Va.
3	72.625754	23.521316	
4	72.625784	23.475918	
5	72.652446	23.477148	10

#### 1. Charada-Mansa ML

	1. Charada-Mansa ML	
	Block: Charada-Mansa	M
	(187.5 sq. km.)	
	Coordinates (WGS-19	84)
Point	Longitude (degrees)	Latitude (degrees)
1	72.493573	23.558806
2	72.493024	23.539646
3	72.464966	23.539647
4	72.46302	23.529647
5	72.45913	23.529647
6	72.459129	23.50048
7	72.455521	23.499919
8	72.466079	23.4922
9	72.466079	23.50048
10	72.499408	23.500479
11	72,499408	23.483814
12	72.516077	23.483813
13	72.516076	23.454944
14	72.519242	23.454982
15	72.519296	23.451362
16	72.516076	23.451331
17	72.516076	23.435062
18	72.53324	23.405704
19	72.573847	23.415205
20	72.587175	23.436042
21	72.560514	23.501867
22	72.524423	23.548154
23	72.563566	23.557413
24	72.56774	23.596863
25	72.582737	23.597694
26	72.57301	23.569085



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27	72.598008	23.501866
28	72.614677	23.475479
29	72.625784	23.475918
30	72.625785	23.54242
31	72.599398	23.583807
32	72.599398	23.602139
33	72.571623	23.63241

## 3. Langhnaj ML

	J. Lan	ignnaj wiL
	Block: Langhnaj N	1L
	(17.92 sq. km.)	
	Coordinates (WGS-1	984)
Point	Longitude (degrees)	Latitude (degrees)
1	72.486828	23.458592
2	72.499408	23.46398
3	72.516076	23.435066
4	72.516077	23.483813
5	72.499408	23.483814
6	72.499408	23.500479
7	72.466079	23.50048
8	72.466079	23.492202
9	72.468299	23.49048
10	72.486828	23.458592

## 4. Langhnaj-Wadasama ML

Block: Langhnaj-Wadasama ML (13.84 sq. km.)		
	Coordinates (WGS-19	84)
Point	Longitude (degrees)	Latitude (degrees)
1	72.499408	23.437149
2	72.484966	23.433815
3	72.495242	23.421317
4	72.51532	23.401596
5	72.53324	23.405706
6	72.499408	23.46398
7	72.486828	23.458592
8	72.499408	23.437149

## 5. Mehsana City Extn. II

Block: Mehsana City Extn. II (7.58 sq. km.)		
	Coordinates (WGS-19	
Point	Longitude (degrees)	Latitude (degrees)
1	72.427197	23.579365
2	72.410529	23.579366
3	72.427197	23.565198
4	72.459413	23.564364
5	72.45997	23.584364

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### 6. Nandasan Ext-I ML

	Block: Nandasan Ext-I ML (26.	387 sq. km.)	
Coordinates (WGS-1984)			
Point	Longitude (degrees)	Latitude (degrees)	
1	72.418581	23.382708	
2	72.390806	23.40743	
3	72.374419	23.392153	
4	72.371917	23.367155	_
5	72.422472	23.369098	_
6	72.42386	23.361044	
7	72.44802	23.368543	
8	72.451079	23.385486	نست
9	72.466634	23.383819	_
10	72.466634	23.392707	
11	72.470243	23.392707	_
12	72.467741	23.406041	_
13	72.453025	23.397985	
14	72.418581	23.382708	

## 7. Nandasan-Langhnaj ML

	r Halluasall-Laligillaj ML		
	Block: Nandasan-Langhnaj ML (61	.9 sq. km.)	
	Coordinates (WGS-1984)		
Point	Longitude (degrees)	Latitude (degrees)	
1	72.419414	23.433816	
2	72.390806	23.40743	
* 3	72.418581	23.382708	
4	72.453025	23.397985	
5	72.495242	23.421317	
6	72.484966	23.433815	
7	72.499408	23.437149	
8	72.468299	23.49048	
9	72.419414	23.433816	

## 8. North Sobhasan Ext-I ML

S. NOTH CODINGS INC.		
Block: North Sobhasan Ext-II ML (23.00 sq. km.)		
	Coordinates (WGS-19	984)
Point	Longitude (degrees)	Latitude (degrees)
1	72.38553	23.619918
2	72.401367	23.613917
3	72.422476	23.613917
4	72.422475	23.586281
5	72.40261	23.586281
6	72.410529	23.579366
7	72.427197	23.579365
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8	72.45997	23.584364
9	72.460527	23.594503
10	72.413749	23.645362
11	72.38553	23.619918

#### 9. Sanganpur ML

	3. Sanganpur Mc		
	Block: Sanganpur ML (6.974 sq. km.)		
	Coordinates (WGS-19	984)	
Point	Longitude (degrees)	Latitude (degrees)	
1	72.429752	23.539645	
2	72.43275	23.509368	
3	72.445566	23.504138	
4	72.445528	23.529645	
5	72.46302	23.529645	
6	72.464966	23.539645	
7	72.429752	23.539645	

	10. JOTANA-WAROSAN ML		
	Block: JOTANA-WAROSAN ML (38	.05 sq. km.)	
	Coordinates (WGS-1984	)	
Point	Longitude (degrees)	Latitude (degrees)	
1	72.328984	23.468983	
2	72.379531	23.443817	
3	72.401083	23.462149	
4	72.389144	23.500481	
5	72.37359	23.500481	
6	72.370836	23.509203	
7.	72.362757	23.506758	
8	72.36442	23.500481	
9	72.332761	23.504925	
10	72.320647	23.502982	
- 11	72.328984	23.468983	

## 11. JOTANA-SOUTH ML

	Block: JOTANA-SOUTH ML (2	3.00 sq. km.)
	Coordinates (WGS-19	984)
Point	Longitude (degrees)	Latitude (degrees)
1	72.36442	23.500481
2	72.362757	23.506758
3	72.370836	23.509203
4	72.353314	23.563811
5	72.321929	23.552145
6	72.332761	23.504925
7	72.36442	23.500481

## 12. NORTH KADI EXT-I (NEW) ML

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	Block: NORTH KADI EXT-I NEW I	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	Coordinates (WGS-1	, , , , , , , , , , , , , , , , , , , ,
Point	Longitude (degrees)	Latitude (degrees)
1	72.25859935	23.49353815
2	72.27026446	23.46909494
3	72.2799857	23.46937258
4	72.29148422	23.44845695
5	72.29942789	23.4504845
6	72.32053575	23.37715505
7	72.31875814	23.376544
8	72.2905395	23.42409723
9	72.27009693	23.41223706
10	72.27295761	23.40259868
11	72.25082084	23.39548826
12	72.22165767	23.43104218
13	72.21860273	23.45109664
14	72.22804627	23.45437411
15	72.22610211	23.45965161
16	72.23082388	23.46131812
17	72.22343599	23.4775673
18	72.25859935	23.49353815

### 13. LINCH EXT-I ML

	IJ. EINOI	I EVI - IMP									
	Block: LINCH EXT-I ML (34.25 sq. km.)										
	Coordinates (WGS-19	984)									
Point	Longitude (degrees)	Latitude (degrees)									
1	72.320538	23.377155									
2	72.318761	23.376545									
3	72.32748	23.361878									
4	72.332477	23.349657									
5	72.371917	23.367155									
6	72.374419	23.392153									
7	72.344424	23.414375									
8	72.331227	23.431319									
9	72.309371	23.416319									
10	72.320538	23.377155									

## 14. LINCH EXT-II ML

	Block: LINCH EXT-II ML (13.	35 <b>s</b> q. km.)
	Coordinates (WGS-19	984)
Point	Longitude (degrees)	Latitude (degrees)
1	72.341228	23.418514
2	72.344424	23.414375
3	72.379531	23.443817
4	72.328984	23.468983
5	72.341228	23.418514

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#### 15. ANKLAV EXT-I ML

	Block: ANKLAV EXT -I ML (61.	.0 Sq. km.)
	Coordinates (WGS-198	B4)
Point	Longitude (degrees)	Latitude (degrees)
1	22.298597	72.913236
2	22.333872	72.926847
3	22.346372	72.932683
4	22.346369	73.027116
5	22.392200	73.027116
6	22.392200	73.013783
7	22.379702	72.968789
8	22.379702	72.888794
9	22.328038	72.912130

## 16. VADATAL EXT-I ML

	<u> </u>	Maria de la companya
	Block: VADATAL EXT -I ML (72.1	8 Sq. km.)
	Coordinates (WGS-1984	<b>)</b>
Point	Longitude (degrees)	Latitude (degrees)
1	22.67388889	72.87030833
2	22.68755	72.848925
3	22.57685	72.85093889
4	22.57728056	72.80188056
5	22.52859444	72.8032
6	22.52863889	72.80814722
7	22.51439444	72.80828611
. 8	22.51499444	72.85515833
9	22.51984167	72.85502778
10	22.51983889	72.87243611

# 17. NADIAD ML

	Block: NADIAD ML (26.0	Sq.km.)		
	Coordinates (WGS-19	984)		
Point	Longitude (degrees)	Latitude (degrees)		
1	22.67388889	72.87030833		
2	22.68755	72.848925		
3	22.57685	72.85093889		
4	22.57728056	72.80188056		
5	22.52859444	72.8032		
6	22.52863889	72.80814722		
7	22.51439444	72.80828611		
8	22.51499444	72.85515833		
9	22.51984167	72.85502778		
10	22.51983889	72.87243611		

The proposed well locations with details of site locations with geographical coordinates Village, Taluka/Tehsil, District, present land

Baggar Aller Level

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use, Road Infrastructure, Forest/ Wildlife Sanctuary/ National Park, Nearest River/ Water bodies Major human establishments and Industries are provided in as follows:

**Table 2: Proposed Well Locations** SW Latitud Vill. Taluka/ District Present National Water Major Industries Longitude Forest/ Tehsil Land use **Bodies** huma etc. . ei Name /State Wildlife nİ Highwa River Sanct y OR Natural establi 0 uary/ **Express** Nallah/ Natio nal way Drain hment Park Lake/Po s*etc*. nd/Wetl ands Water supply Tanks/R eservoirs Canal CHARADA ML 23.4930 72.633240 Thol Radhe 17 Agri/Gau **NH 68** Bird **Padus** Mans Gandhi Sabarm ati **Padus** cold Р Santu River(18km) ma/ а char (575m)ama storage С gar ary 1000 650m 40km hara m da 2. CHARADA- MANSA ML ent Im 2 23.4925 72.504247 Sabar **GETCO** Private/A **NH 68** Meu P66 Meu Mehs Mehsan m ati (2000m) (800m)(758m)ana River riculture Thol (30km) Bird 72.563351 3 23.4584 Rush cold % Parsa Sabar Santu Agri/Gau P<sub>04</sub> Parsa Mans Gandhi Parsa Road m ati ary char (1000m)storage 810m 40km River 1300m gar (18km) 4 Narma Q green 72.516572 23.5198 Padhari Mehs Mehsan Agri/Gau **NH 68** da Padhariya tech 90 2400m Main ana char 1170m ya 2290m canal (520m) Bilodra -5 Maruti Sabar P 23.5301 72.617901 Tintoda Vijapu Private/A Tintodan Mehsan Tintodan Cold m ati 18 Road 945m Storage n r River riculture 700m 1380m (19km) 6 23,4346 72.56530 Boru -Rushi Sabar P724 28 Boru Mans Gandhi Agri/Gau Khata Boru cold m ati 5 char Road 1060m storage а na River gar 575m 1830m (17km) 23.4579 72.54231 Sabar Abad Agri/Gau **SH71** Charadu P197 17 Charad Mehs Mehsan mati Dairy 2900m 1050m char River 1750m ana u (26km) LANGHNAJ ML 8 23.4899 72,477170 Narma Himalay Р **Balwant** 

			·	dia		e	1100111	Thol Bird	canal (22km)	2300m	820m
9	23.4845 P148 2	72.487000 5	Badalp ura	Mehs ana	Mehsan a	Agri/Gau char	SH217 1680m	Santu ary 35km	Narma d a Main canal (23km)	Akhaj 2040m	Himalay a Paptech 890m
1 0* I	23.4747 P556 3	72.503926 4	Badalp ura	Mehs ana	Mehsan a	Agri/Gau char	NH68 2520m	Na d M ca	Narma d a Main canal (24km)	Balvantpura 1390m	Himalay a Paptech 1170m

Non

Agricultur

SH217

1100m

d а

Main

а

Paptech

pura

93

Akhaj

Mehs

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Mehsan

а

							AJ WADAS				•
1	23.4326 P02 1	72.48744 6	Vadas ma	Mehs ana	<b>M</b> ehsan a	Agri/Gauc har	Vadasm a Langhna j Road 600m	Thol Bird Santu	Narma da Main canal (21km)	Langhnaj 1520m	Aabad Dairy 4380m
1 2	23.4330 P025 2	72.50177 93	Vadas ma	Mehs ana	Mehsan a		Vadasm a Langhna j Road 750m	ary 30km	Narma da Main canal (22km)	Vadasma 1350m	Aabad Dairy 3000m
					5.	MEHSAN	A CITY EXT	N-II ML			
1 3	23.5705 545 P	72.43627 57	Rampura /De varasa n	Mehs ana	Mehsan a	Agri/Gau char	SH55 675m	Thol Bird Santu ary 45km	Khar i (4km	Rampura 1110m	Green earth 3660m
	• • • • • • • • • • • • • • • • • • • •					6. NANDA	SAN EXTN	I ML			Prograpini
1 4	23.3953 P787 1	72.38940 1	Ganesh pura	Kadi	Mehsan a	Fi .	SH41 557m	Thol	Narma d a Main canal (11km)	Ganesh pura 1100m	Britton Interio 867m
1 5	23.3751 108 P 2	72.37354	Mathas ur	Kadi	Mehsan a	Agri/Gauc har	Mathasur Sarsav Road 750m	Bird Santu ary 25km	Narma da Main canal (7km)	Mathasur 845m	Go green wareho se 745m
6	23.3762 163	72.38865 56	Nandas an	Kadi	Mehsan a		Kadi Nandas an Road 710m		Narma da Main canal (8km)	Nandasan 616m	Go green wareho se 1220m
W.			<del>                                      </del>	7 <u>0</u> 1	7.	NANDAS	AN-LANGHI	AAJ ML	(57411)		l
1 7	23.4707 P736 1	72.45325 13	Chaluv a	Mehs ana	Mehsan a	Agri/Gauc	Akhaj Chaluva Road 709m	Thol Bird Santu	Narma d a Main canal (20km)	Chaluva 673m	McCain Foods 2660m
1 8	23.4593 P314 2	72.46362 64	Jalapur a	Mehs ana	Mehsan a	- har	Akhaj Jornang Road 800m	ary 32km	Sabarm ati (20km)	Chaluva 520m	McCain Foods 585m
1 9*	P631 3	72,46045 89	Jalapur a	Mehs ana	Mehsan a		SH 217 2800m		Sabar m ati (27km )	Jalapura 506m	RP Polyme 1090m
2 0	23.4392 113 P	72.43297 87	Jornan g	Mehs ana	Mehsan a		Jornang Navi Shedhavi Road 754m		Narma da Main canal (22km)	Jornang 524m	McCain Foods 1090m
2	23.4069 P709 5	72.40713 55	Vadpu ra	Kadi	Mehsan a		SH41 1070m		Narma d a Main canal (12km)	Vadpura 725m	GM Bioche 570m
2 2*	23.3972 P026 6	72.43857 49	Kaiyal/ Ta kiy	Kadi	Mehsan a		SH41 3740m		Narma d a Main canal	Kaiyal 1160m	Crysta Cerami 1440m

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2	<u>P</u>	23.6986 5	72.33246	Motida u	Mehs ana	Mehsan a	Agri/Gau char	SH216 1740m		Narma d a Main canal	Devada 1230	MP lubricants 612m	
2	P 2	23.6484 13	72.398471	Nanida u/T al eti	Mehs ana	Mehsan a	Agri/Gau char	SH41 1260m	Thol Bird Santu ary 55km	(27km) Narma d a Main canal (28km)	Mohanp ura 560m	Bliss Aqua world 1900m	
2 5	P 3	23.7031 85	72.35977	Davad a	Visna gar	Mehsan a	Industrial	SH41 2440m			Rupe n (16km	Davada 1650m	Brick kiln 600m
2 6	P 4	23.6655 81	72.351559	Buttapa Idi	Mehs ana	Mehsan a	Agri/Gau char	SH216 650m		Pushpa vali (7km)	Buttapaldi 750m	Brick kiln 600m	
	•	•					9. SANG	ANPUR EXT	ſN-I				
2 7	P 1	23.5375 00	72.462092	Kherv a	Mehs ana	Mehsan a	Agri/Gau char	SH58 850m	Thol Bird Santu ary 40km	Khar i (8km	Kherva 1680m	BAPS Hostel 900m	
	1			<u> </u>		1	0. JOTANA	-WAROSA				I.	
2 8	F 1	23.4772 626	72.331618 1	Ambas an	Mehs ana	Mehsan a	Agri/Gau char	Ambasa n Modipur Village Road 550m	Thol Bird Santu	Narma da Main canal (13km)	Ambasan 980m	Chamun/ da Floui Factory 2360m	
2 9	P 2	23.4786 25	72.365415	Ambas an	Mehs ana	Mehsan a	Agri/Gau char	Linch Ambasa n Village Road 837m	ary 35km	Narma da Main canal (14km)	Ambasan 1660m	Chamun da Floui Factory 670m	
		I		L I			11. JOTA	NA-SOUTH	ML	1 ( /	· · · · · · · · · · · · · · · · · · ·		
3	F 1	23.5436 88	72.33326 1	Mared a/V ad osa n	Mehs ana	Mehsan a	Agri/Gauc har	Sametra Manknaj Village Road 1000m	Thol Bird Santu ary	Khari (4km)	Mareda 1050m	BND Energy 2500m	
3	P 2	23.5284 39	72.347169	Boriya vi	Mehs ana	Mehsan a		Linch warosan Road 1100m	40km	Khari (5km)	Linch 739m	John Energy 5000m	
					19 19 19	1:	2. NORTH F	(ADI EXTN-I	(New)				
3 2	P 1	23.4035 30	72.312463	Chalas an	Kadi	Mehsan a	Agri/Gau char	SH216 820m	Thol Bird Santu ary 30km	Narma da Main canal (3km)	Suraj 625m	Mascot Industrial Park 1150m	
	•			F	···		13. LINC	H EXTN-I M	L			•	
3 3*		23.3700 00	72.35000 0	Jasalp ur	Kadi	Mehsan a	Agri/Gau char	SH 189 3300m	Thol Bird Santu	Nama d a Main canal (5km)	Jasalpur 589m	Capitalo Pharma 1300m	
3 4		23.3914 81	72.362831	Mathas ur	Kadi	Mehsan a	-	Nandas an Suraj Road 670m	ary 25km	Narma da Main canal (7km)	Mathasur 761m	GReens pace infrastru cture 700m	

	3 5	P 1	23.448 450 3	72.34264 77	Divanp ura	Mehs ana	Mehsan a	Agri/Gauc Road har 560m		Thol Bird Santu	Narma da Mail Canal (9km)	Divanpura 983m	JK Polymer s 4500m
	3 6*	P 2	23.445 597 2	72.36855 33	Divanp ura	Mehs ana	Mehsan a		SH41 2500m	ary 35km	Narma d a Main (10km	Divanpura 655m	Babu Chemica Is 1250m
				\ \				15. ANKL	AV EXTN-I		,		1.,,,,
	3	P 1	22°21'4 0.467" N	72°55'03. 525" E	Bhadran	Bors ad	Anand	Agricultu re	SH 6 (500m)	No Wildlif e Sanctu	Mahi River (13 KM)	Bhadran Village (1.5KM)	
	3	P 2	22°22'1 3.097" N	72°55'53. 496"E	Bhadran	Bors ad	Anand	Agricultu re	Borsad Road (600m)	ary within 10km radius.	Mahi River (11 KM)	Bhadran Village (3 KM)	No industry within
	3	P 3	22°21'5 8.956" N	72°56'43. 157"E	Alarsa	Bors ad	Anand	Agricultu re	Borsad Road (1.5km)	Nalsar ovar bird sanctu ary is 64km	Mahi River (10 KM)	Alarsa Village (1.5KM)	500m
				,				16. VADA	TAL EXTN-I	ML		(1) (2) 中:	1
187	# (S	P1	<u>22</u> ° 40′ 01.3″ N	72°51'3. 84" E	Piplag	Nadi ad	Kheda	Agricultu re	SH 89 (700m)	No Wildlif e	Sabar mati & Mahi River (30KM)	Nadiad (1km)	Malpani Tobacc o2600m
AA	4	men Dalgy	22' 34' 34" N	72°48'5 0" E	Mahelav	Petla d	Anand	Residenti al Area	SH 89 (600m)	Sanctu ary within 10km radius.	Sabar mati & Mahi River (30KM)	Mahelav Village (0.6KM)	Asit Kumar & Compan y800m
`\_	4 2	P 3	22° 32′ 35.090″ N	72°48′50. 516" E	Bandhni	Petla d	Anand	Agricultu re	SH 83 (500m)	Nalsar ovar bird sanctu ary is 64km	Sabar mati & Mahi River (30KM)	Bandhni Village (1.8 KM)	Austin Foods & Beverag es Pvt Ltd 2800m
;	4	<u>P</u>	22' 31' 11.66" N	72°49'5 1" E	Vishnoli	Petla d	Anand	Agricultu re	SH 89 (550m)		Mahi River (25KM)	Vishnoli Village (515m)	Austin Foods & Beverag es Pvt Ltd 510m
			1000				1	17. NA	ADIAD ML	No	Mohi	Morido	Aorniano
	4	P 1	22°42'3 7.62"N	72°53'47 .49"E	Marida	Nadi ad	Kheda	Agricultu re	NE-1 (700m)	No Wildlif e	Mahi River (30KM)	Marida Village (512m)	Aerplane Masala 2000m
	4 5	<u>P</u> 2	22°41' 31"N	72°53'3 3"E	Nadia d Tow n	<b>N</b> adi ad	Kheda	Ahmedab ad Vadodara Express w ay	NE-1 600m	Sanctu ary within 10km radius. Nalsar	Mahi River (29KM)	Nadiad Town (1.5KM)	Anupam Industrie s 4500m
	4	P 3	22°42'2 3.67"N	<u>72°54'5</u> <u>6"E</u>	Salu n Vant o	<b>N</b> adi ad	Kheda	Mahi Canal (600m)	SH 12 (700m)	ovar bird sanctu ary is 64km	Mahi River (29KM)	Salun Vanto Village (1KM)	Anupam Industrie s 2100m

The project activity is covered in 1(b) and is of 'B' Category. Since, the project falls in B2 category as per the MoEF&CC's amendment

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EIA Notification vide S.O. 236(E) dated 16.01.2020, the public consultation is not required as per paragraph 7(i) (III) (i) (e) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated 25/05/2023 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 25/05/2023. The proposal was considered by SEIAA, Gujarat in its meeting held on 10/07/2023 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions

#### A.CONDITIONS:

#### A.1SPECIFIC CONDITION:

- 1. Project proponent (PP) shall obtain separate Environmental Clearance for commercial drilling and exploration as this proposal is for drilling of Exploration activity only as per EIA Notification 2006 and amendment dated 16.01.2020 [Category B2 of activity 1(b)]
- 2. No drilling shall be carried out in protected areas.
- 3. The company shall make all arrangements at the drilling site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated. Effluent shall be properly treated and treated waste water shall confirm to CPCB/GPCB standards.
- 4. Drill cuttings separated from drilling fluid shall be adequately washed and disposed according to HWMH rule, 2016. No effluent /drilling mud /drill cutting shall be discharged /disposed off into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR. 546 dated 30 the August ,2005
- 5. Oil spillage prevention and mitigation scheme shall be prepared. In case of oil spillage/ contamination, action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of the authorized recyclers.
- 6. After completion of drilling activities, in case of non-availability of hydrocarbons the site shall be restored back to its nor condition as per the prevailing Rules/Guidelines/Site restoration policy.
- 7. PP shall adopt best drilling practices and drilling operations shall be designed in such a way that there is no chance contamination of ground water aquifer.
- 8. PP shall take all precautionary measures to avoid any contamination of ground water.
- 9. The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.
- 10. Unit shall have to adhere to the 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.
- 11. The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.
- 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 exposure along with self-containing breathing apparatus.
- 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 created 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.

## 14. Safety & Health:

- a. PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
- b. PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labor within premises.
- 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 on such probable scenarios.
- d. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
- e. First Aid Box shall be made readily available in the unit.
- f. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination or all the workers shall be undertaken on regular basis as per Factories Act & Rules.
- g. The company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed.
- h. Blow out preventer system shall be installed to prevent well blowouts during drilling operations.
- i. Emergency response plan shall be based on the guidance prepared by OISD, DGMs and Govt. of India.

#### A. 2 WATER:

- 15. Total water requirement for the project shall not exceed 25 KLD per well (Domestic: 4 KLD and industrial purpose: 21 KLD). Unit shall reuse 3 KLD per well of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 21 KLD per well and it shall be met through tankers from nearby ONGC establishment.
- 16. PP shall not dig borewell for fresh water requirements.
- 17. The industrial effluent generation from the project shall not exceed 5 KLD per well.
- 18. Out of 5 KLD Total Industrial effluent, 3 KLD shall be reused in mud preparation and 2 KLD shall be sent to nearest ONGC ETP for treatment
- 19. PP shall obtain prior permission for disposal of treated effluent.
- 20. Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall not be any industrial wastewater dischargefrom the unit.
- 21. Domestic wastewater generation shall not exceed 2 KL/day for proposed project and it shall be treated in STP. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
- 22. During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
- 23. Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
- 24. The unit shall provide metering facility at the ETP & STP and maintain records for the same.
- 25. Proper logbooks of ETP & STP; treated effluent reused in gardening/ plantation; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

#### A.3AIR:

26. Unit shall not exceed fuel consumption for D G Set as mentioned below.

Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
75.58.35 FM	DG Set	8	HSD	4 KLD	Flue <b>G</b> as	Supercharging, DOC (Diesel oxidation Catalyst), Particulate matter Reducer.

A Uniternall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.

28. There shall be no process gas emission from drilling & exploration activities and other ancillary operations.

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.

- > Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
- > Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
- A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
- 30. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
- 31. Regular monitoring of ground level concentration of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, 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 the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

### A.4 SOLID / HAZARDOUS WASTE:

32. All the hazardous/ solid waste management shall be taken care as mentioned below.

Sr. 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	Drilling	HW Sc-I cat. 2.1	500 tons per Well.	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016
2	Drilling mud	Drilling	HW Sc-I cat 2.3	250 Tons per Well.	Collection in HDPE lined pit and disposal as per Hazardous waste Rules, 2016

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3	Used oil/ spent oil	Others	HW Sc-I cat 5.1	0.2 MTon	Disposal as per Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016				
Non- Hazardous waste management									
hazardous waste as per MoEFCC GSR 3959(E),									
Drill Cuttings are collected in a pit later on filled with top soil.									

- 33. 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.
- 34. 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.
- 35. The project proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.
- 36. The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items.

### A. 5OTHER:

- 37. The project proponent shall allocate the separate fund of Rs 710Lacs [Electrification including Solar lights Projects at Taluka: Mansa, Mehsana, Villages: Charada, Padusma, Beragovindpura, Jamla, Drinking water projects including Water Supply lines & associated activities. Rain water harvesting at Taluka: Kadi, Viramgam, Anklav, Villages: Dholasan, Suraj, Santhal, Amarpura, Green Belt development / Tree plantation at Mehsana, Viramgam, Petlad, Villages: Devada, Gorad, Rupal, Katosan, Dhanpura, Balasan, Rain water harvesting at Taluka: Mehsana, Viramgam, Anand, Villages: Akhaj, Bhakhadia, Suraj, Bhadrania, Sanitation and health project at Taluka: Kadi, Viramgam, Villages: Ambapura, Santhal, Katosan] proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This 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 the District Collector. The monitoring report shall be posted on the website of the project proponent.
- 38. All the environmental protection measures and safeguards proposed in the Form-1 & PFR submitted by the project proponent accommitments made in their application shall be strictly adhered to in letter and spirit.

#### **B.GENERAL CONDITIONS:**

## **B.1 CONSTRUCTION PHASE:**

- 26. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.
- 27. Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
- 28. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
- 29. First Aid Box shall be made readily available in adequate quantity at all the times.
- 30. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.
- 31. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase.
- 32. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
- 33. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
- 34. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
- 35. 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 and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
- 36. 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.
- 37. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
- 38. "Wind breaker of appropriate height i.e. 1/3rd 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.
- 39. "No uncovered vehicles carrying construction material and waste shall be permitted."
- 40. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."

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- 41. Roads leading to or at construction site must be paved and blacktopped (i.e. metallic roads).
- 42. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
- 43. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
- 44. Grinding and cutting of building materials in open area shall be prohibited.
- 45. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
- 46. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).

### **B.2 OPERATION PHASE:**

#### B.2.1 WATER:

- 47. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
- 48. 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.

#### B.2.2 AIR:

- 49. 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 and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
- 50. 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.
- 51. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
- 52. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
- 53. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

#### **B.2.3 HAZARDOUS/SOLID WASTE:**

- 54. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be an ended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.

  55. Hazardous wastes shall be dried packed and storad in a control of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous
- 55. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and each ate collection facility, before its disposal.
- 56- this unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
- Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
- 58. The design of the Trucks/tankers shall be such that there is no spillage during transportation
- 59. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
- 60. 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.

#### B.2.4 SAFETY:

- 61. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963
- 62. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
- 63. Main entry and exit shall be separate and clearly marked in the facility.
- 64. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
- 65. Storage of flammable chemicals shall be sufficiently away from the production area.
- 66. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
- 67. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
- 68. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
- 69. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
- 70. Only flame proof electrical fittings shall be provided in the plant premises.
- 71. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one

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- single large capacity tank / containers.
- 72. 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.
- 73. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
- 74. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
- 75. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
- 76. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
- 77. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
- 78. 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 as per the Factories Act & Rules.
- 79. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
- 80. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
- 81. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

#### B.2.5 NOISE:

- 82. The company shall make all arrangement for control of noise from the drilling activities.
- 83. 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 confirm to the standards prescribed under Environment (Protection) Act & Rules, 1986 amended from time to time.
- 84. Noise levels for workers shall be as per the Factories Act & Rules.

#### B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

- 85. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a C team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
- 86. The company shall undertake various waste minimization measures such as:
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw materials substitutes.
  - c. Use of automated and close filling to minimize spillages.
  - d. Use of close feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for cleaning to reduce wastewater generation.
  - g. Recycling of washes to subsequent batches.
  - h. Recycling of steam condensate.
  - i. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.
  - j. Regular preventive maintenance for avoiding leakage, spillage etc.

#### B.2.7 GREEN BELT AND OTHER PLANTATION:

- 87. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate 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.
- 88. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

#### **B.3 OTHER CONDITION**

- 89. 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.
- 90. Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
- 91. Project proponent shall display the copy of Environment Clearance at the site prominently.
- 92. Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.
- 93. Project Proponent will have to display the safety procedure in working area.
- 94. The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.
- 95. Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF /

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- CHWIF / CMEE / Common Spray Dryer as the case may be.
- 96. Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.
- 97. Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.
- 98. Integrated Regional Office of MoEF&CC,Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.
- 99. Oil spill contingency plan may be part of the condition.
- 100. Worker's safety registration under regulation also has to be given.
- 101. Metal and material handling system and safety have also not been explained.
- 102. Details of fugitive emissions are not given as during vehicle movement it will be there.
- 103. Well location shall kept minimum 500 m far from nearby habitat if any.
- 104. 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.
- 105. 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, pretreatment must be done to remove suspended matter.
- 106. 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.
- 107. 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.
- 108. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
- 109.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.
- The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other appreciate authority for the purpose for the environmental protection and management.
  - 111\n-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.
  - 112. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
  - 113 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.
  - 114. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
  - 115. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
  - 116. 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.
  - 117. 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.
  - 118. 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.
  - 119. 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.
  - 120. 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.
  - 121. 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 SEIAAV 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.
  - 122.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.

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- 123. 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.
- 124. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
- 125. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
- 126. 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.
- 127. 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.
- 128. This environmental clearance is valid for seven years from the date of issue.
- 129. 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.
- 130. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

#### B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:

- 131. 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.
- 132. 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.
- 133. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.
- 134. 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.
- 135. 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.
- 136. 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.
- 137.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

(ASAV P. GADHVI) Member Secretary

Issued to:

Oil and Natural Gas Commission (ONGC) 4<sup>th</sup> floor, Gaveshna Bhavan, ONGC Campus, Makarpura Road, Vadodara



#### Copy to:-

- 1. The Secretary, SEAC, C/O. G.P.C.B. Gandhinagar 382010.
- The Additional Chief Secretary, Forests & Environment Department, Govt. of Gujarat, Block 14, 8<sup>th</sup> floor, Sachivalaya, Gandhinagar-382010.
- The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- 4. The Additional Principal Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
- 5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
- 6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
- 7. Select File

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