



ONGC Petro additions Limited

CIN: U23209GJ2006PLCO60282

Plant site: Plot #Z-1 & Z-83, C/o. Dahej SEZ Ltd., P.O. Dahej, Taluka Vagra,
Dist. Bharuch – 392130, Gujarat, India. | Tel.: 02641-666000 | Fax.: 02641-666110

OPaL/DHJ/COO Office/24-25/08

Date: 21.05.2024

To,
The IRO
MoEF & CC
Room No. 407, Aranya Bhawan,
Near CH -3 Circle Sector 10 – A,
Gandhinagar, Gujarat - 380210
India.

Subject: Submission of six-monthly Compliance Report of Environmental Clearance and other details for Gas based Captive Power Plant with installed steam & power capacity of 880 TPH & 195 MW at Dahej Petrochemical Complex M/s. ONGC Petro additions Ltd., Village: Ambheta, Tal. Vagra, Bharuch District (Gujarat)

Ref: EC issued vide letter No. J-11011/107/2013-IA II (I) dated 03/07/2014

Dear Sir,

With reference to above mentioned subject, kindly find enclosed herewith compliance report (encl. as **Annexure – A**) of Environmental Clearance issued by MoEF & CC vide letter No. J-11011/107/2013-IA II (I) dated 03/07/2014 for our unit Gas based Captive Power Plant with installed steam & power capacity of 880 TPH & 195 MW at Dahej Petrochemical Complex M/s. ONGC Petro additions Ltd. for the period of October 2023 to March 2024.

Unit hope the above is in line with your requirements.

Thanking you
Yours sincerely,

For, M/s. ONGC Petro additions Ltd.

Arup Jhampri
Chief Operating Officer

Encl.: A/a.

Copy: DGM- HSE & I/C Fire

Enclosures:

Annexure A: Compliance Report of Environmental Clearance

- Appendix-1: Copy of EC letters of M/s. ONGC Petro Additions Ltd.
- Appendix-2: Copy of EC letter for Captive Power Plant
- Appendix-3: Environmental Monitoring Report
- Appendix-4: Detailed Emergency Response & Control Procedure
- Appendix-5: Health checkup reports of employees
- Appendix-6: Membership Certificate of TSDF site
- Appendix-7: Copy of CTE
- Appendix-8: Copy of CCA

ANNEXURE A
COMPLIANCE STATUS REPORT OF ENVIRONMENTAL CLEARANCE

EC issued vide letter no. F. No. J-11011/107/2013-IA II (I) on 03/07/2014

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
2.	<p>The Ministry of Environment and Forest has examined your application. It is noted that the proposal is setting up of Gas based Captive Power Plant with installed steam & power capacity of 880 TPH & 195 MW of M/s. ONGC Petro Additions Ltd. (OPaL) at Dahej Petrochemical Complex, Village Ambhetha, Taluka Vagra, District Bharuch, Gujarat. MOEF vide letter no. J-11011/316/2006-IA II (I) dated 21st November 2007 has issued environmental clearance to M/s. ONGC Petro Additions Ltd. for Dahej Petrochemical complex. The present proposed is for installation of a captive power plant of configuration of 2 X 220 TPH Utility Boiler (UB) + 2 X 30 MW Steam Turbine Generator (STG) + 4 X 33.75 Gas Turbine Generators (GTGs) + 4 X 110 TPH Heat Recovery Steam Generator (HRSG) and associated utilities. DG set (8.3 MW) and DG set (1650 KVA) will be installed. The CPP project will be implemented within the already allocated plot area of 503 ha of Dahej Petrochemical Complex, out of which greenbelt will be developed in 50 ha. Total cost of CPP project is Rs. 1840 crores, out of which Rs. 280 crores and Rs. 35-50 crores respectively, are earmarked towards capital cost and recurring cost per annum for pollution control measures.</p>	<p>Earlier unit has obtained EC vide letter no. J-11011/316/2006-IA II (I) on 21/11/2007 and EC extension letter on 01/03/2013 for establishment of M/s. ONGC Petro Additions Ltd. (OPaL) at Dahej Petrochemical Complex, Village Ambhetha, Taluka Vagra, District Bharuch, Gujarat and after that, unit has obtained amendment in EC vide letter no. J-11011/316/2006-IA II (I) on 30/09/2015. Copy of EC letter is attached as Appendix 1.</p> <p>Also, unit has obtained EC vide letter no. F. No. J-11011/107/2013-IA II (I) on 03/07/2014 for installation of a captive power plant of configuration of 2 X 220 TPH Utility Boiler (UB) + 2 X 30 MW Steam Turbine Generator (STG) + 4 X 33.75 Gas Turbine Generators (GTGs) + 4 X 110 TPH Heat Recovery Steam Generator (HRSG) and associated utilities. DG set (8,3 MW) and DG set (1650 KVA) at already allocated plot area of 503 ha of Dahej Petrochemical Complex. Copy of EC letter is attached as Appendix 2.</p>
3.	<p>It is reported that no eco sensitive area such as National Parks, Wild Life Sanctuaries are located within 10 kms distance. The project is located at a distance of 7 km from sea coast and less than 1 km from the river coast respectively. The project attracts CRZ notification, 2011. The Gujarat Coastal Zone Management Authority vide clarification letter no. ENV-10-2013-33-E dated 17th April, 2014 regarding the applicability of CRZ Notification 2011 for petrochemical complex at Dahej, District Bharuch has clarified that proposed Captive Power plant is located within plot no Z-1 only, which is outside the CRZ area, hence the Captive Power Plant is outside the CRZ</p>	--

Sr No	EC Condition	Compliance Status (As on 31/03/2024)																										
	area and does not attract the provisions of the CRZ notification 2011.																											
4.	Stack of adequate height will be provided to the gas turbine generator, heat recovery steam generators and boilers. Low NOx burner will be installed to minimize NOx emissions. Total water requirement will be 130,320 m ³ /day. Out of which fresh water requirement from GIDC/DSL water supply will be 98400 m ³ /day and remaining water requirement (31920 m ³ /day) will be met from treated effluent. Total wastewater generation will be 35,520 m ³ /day and treated in effluent treatment plant (ETP). Treated effluent (14400 m ³ /day) will be recycled for cooling tower make up water and treated effluent (17520 m ³ /day) will be reused as DM plant feed. High TDS effluent stream of 3600 m ³ /day will be discharged in Gulf of Cambay. Domestic effluent will be treated in sewage treated plant (STP). Waste Oil, used batteries and tarry residues will be sold to authorized recyclers/re-processors.	Complied. Unit has already provided adequate stack height to gas turbine generator, heat recovery steam generators and boilers.																										
	<p>-</p> <p>Fresh water consumption during the compliance period is 34867 KL/day, which shows that it does not exceed 98400 KL/day and fresh water is being source through GIDC.</p> <p>Details of Fresh Water Consumption</p> <table border="1" data-bbox="285 1209 1404 1570"> <thead> <tr> <th>Month</th> <th>Fresh Water</th> </tr> </thead> <tbody> <tr> <td>Oct-2023</td> <td>1070136</td> </tr> <tr> <td>Nov-2023</td> <td>1081894</td> </tr> <tr> <td>Dec-2023</td> <td>1081875</td> </tr> <tr> <td>Jan-2024</td> <td>1029940</td> </tr> <tr> <td>Feb-2024</td> <td>1013815</td> </tr> <tr> <td>Mar-2024</td> <td>1103028</td> </tr> <tr> <td>Total</td> <td>6380688</td> </tr> <tr> <td>Avg./Day</td> <td>34867</td> </tr> </tbody> </table> <p>Total industrial effluent generated during the compliance period is 11577.6 KL/day, which shows that it does not exceed 35,520 KLD.</p> <p>Details of Wastewater Generation</p> <table border="1" data-bbox="285 1768 1404 1904"> <thead> <tr> <th>Month</th> <th>Industrial Effluent</th> </tr> </thead> <tbody> <tr> <td>Oct-2023</td> <td>322664</td> </tr> <tr> <td>Nov-2023</td> <td>387224</td> </tr> <tr> <td>Dec-2023</td> <td>381265</td> </tr> </tbody> </table>		Month	Fresh Water	Oct-2023	1070136	Nov-2023	1081894	Dec-2023	1081875	Jan-2024	1029940	Feb-2024	1013815	Mar-2024	1103028	Total	6380688	Avg./Day	34867	Month	Industrial Effluent	Oct-2023	322664	Nov-2023	387224	Dec-2023	381265
Month	Fresh Water																											
Oct-2023	1070136																											
Nov-2023	1081894																											
Dec-2023	1081875																											
Jan-2024	1029940																											
Feb-2024	1013815																											
Mar-2024	1103028																											
Total	6380688																											
Avg./Day	34867																											
Month	Industrial Effluent																											
Oct-2023	322664																											
Nov-2023	387224																											
Dec-2023	381265																											

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
	Jan-2024	320412
	Feb-2024	327446
	Mar-2024	379696
	Total	2118707
	Avg./Day	11577.63
5.	M/s. SEZ Dahej Ltd. is a JV of Gujarat Industrial Development Corp. (GIDC) and Oil & Natural Gas Commission (ONGC) was notified as a Multi-Product SEZ vide Nidificated dated 20.12.2006 of Ministry of Commerce and Industry, Gol. Public Hearing was conducted for M/s. Dahej SEZ Ltd on 17.08.2007 and M/s. SEZ Dahej Ltd. obtained an environmental clearance from MOEF vide letter dated 17.03.2010. In view of the above, Public Hearing / Consultation has been exempted due to project being located in SEZ Dahej, as per stage Section 7 (i), III stage (3), Para (i)(b) of the EIA Notification 2006.	--
6.	The proposal for terms of reference was considered by SEAC, Gujarat in its meeting held on 24 th January 2012. The EIA-EMP report was considered by Reconstituted Expert Appraisal Committee (Industry) in MOEF in its 9 th and 12 th meetings held during 10 th – 11 th June, 2013 and 30 th Sep – 1 st Oct, 2013. Based on information submitted and presentation made by you and Environmental Consultant namely M/s. NERI the Committee recommended the proposal for environmental clearance.	--
7.	The Ministry of Environment and Forest, based on the recommendations of the EAC (I) hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14 th Sep, 2006 subject to strict compliance of the following specific and general conditions.	--
A	Specific conditions	
i.	Only permissible activities shall be carried out with prior approval in the 1.05 ha of CRZ area.	Being Complied.
ii.	All the conditions stipulated in the environmental clearance No. J-11011/316/2006- IA II (I) dated 21 st November, 2007 accorded for the existing projects shall be implemented.	Unit is carrying out activities as per granted EC vide letter no. F. No. J-11011/107/2013- IA II (I) on 03/07/2014. Copy of same is attached as Appendix 2.
iii.	Adequate stack height shall be provided to gas turbine generator, heat recovery steam generators and boilers. Exit velocity of flue	Complied.

Sr No	EC Condition						Compliance Status (As on 31/03/2024)											
		Nov-23	Max	82	28	18.7	20.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
		Min	17	20	12.1	16.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Dec-23	Max	81	27	18.2	22.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	72	20	12.6	15.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Jan-24	Max	80	27	18.2	22.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	73	21	12.7	15.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Feb-24	Max	81	38.1	23	28.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	78	25.1	19	27.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Mar-24	Max	83	30.9	31.4	35.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	66	22.1	15.6	19.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Location: AAQM-3: Near Sub Station:15																		
	Month		PM₁₀	PM_{2.5}	SO₂	NO₂	CO	O₃	NH₃	Pb	As	Ni	C₆H₆	B(a)P				
	Oct-23	Max	74	28	19.6	24.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	61	20	14.1	17.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Nov-23	Max	78	28	20.4	23.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	64	20	13.4	16.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Dec-23	Max	73	27	20.3	23.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	63	20	13.5	16.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Jan-24	Max	72	28	20.2	23.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	64	22	15.4	19.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Feb-24	Max	80	30	25.9	30.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	70	24.2	15.5	20.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Mar-24	Max	83	32.1	31.2	36.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
		Min	70	22.9	18.2	23.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
v.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the GPCB.						Being Complied. Unit is taking appropriate measure to prevent and reduce fugitive emissions. Also, there is no dust emission in loading and unloading area. All the emission standards as per GPCB/CPCB guidelines are conformed during compliance period.											
vi.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Well-designed acoustic enclosures for the DG sets and noise emitting equipment's to achieve the desirable Insertion loss viz. 25dB (A) shall be provided.						Complied. Unit has provided adequate stack height to DG set. Also unit has provided acoustic enclosures to DG set.											

Sr No	EC Condition	Compliance Status (As on 31/03/2024)																		
		Noise monitoring has been carried out by third party environmental laboratories on regular period.																		
vii.	Total fresh water requirement from GIDC/DSL water supply shall not exceed 98400 m ³ /day.	<p>Complied.</p> <p>Total fresh water requirement during the compliance period is 34867 m³/day, which shows that it does not exceed 98400 m³/day and fresh water is being source through GIDC.</p> <table border="1" data-bbox="873 653 1404 961"> <thead> <tr> <th>Month</th> <th>Fresh Water</th> </tr> </thead> <tbody> <tr> <td>Oct-2023</td> <td>1070136</td> </tr> <tr> <td>Nov-2023</td> <td>1081894</td> </tr> <tr> <td>Dec-2023</td> <td>1081875</td> </tr> <tr> <td>Jan-2024</td> <td>1029940</td> </tr> <tr> <td>Feb-2024</td> <td>1013815</td> </tr> <tr> <td>Mar-2024</td> <td>1103028</td> </tr> <tr> <td>Total</td> <td>6380688</td> </tr> <tr> <td>Avg./Day</td> <td>34867</td> </tr> </tbody> </table> <p>-</p>	Month	Fresh Water	Oct-2023	1070136	Nov-2023	1081894	Dec-2023	1081875	Jan-2024	1029940	Feb-2024	1013815	Mar-2024	1103028	Total	6380688	Avg./Day	34867
Month	Fresh Water																			
Oct-2023	1070136																			
Nov-2023	1081894																			
Dec-2023	1081875																			
Jan-2024	1029940																			
Feb-2024	1013815																			
Mar-2024	1103028																			
Total	6380688																			
Avg./Day	34867																			
viii.	As proposed, Industrial effluent generation shall not exceed 35,520 m ³ /day. Industrial effluent shall be treated in ETP.	<p>Noted and same is being complied.</p> <p>Total industrial effluent generated during the compliance period is 11577.63 m³/day, which shows that it does not exceed 35520 m³/day.</p> <table border="1" data-bbox="873 1230 1404 1570"> <thead> <tr> <th>Month</th> <th>Industrial Effluent</th> </tr> </thead> <tbody> <tr> <td>Oct-2023</td> <td>322664</td> </tr> <tr> <td>Nov-2023</td> <td>387224</td> </tr> <tr> <td>Dec-2023</td> <td>381265</td> </tr> <tr> <td>Jan-2024</td> <td>320412</td> </tr> <tr> <td>Feb-2024</td> <td>327446</td> </tr> <tr> <td>Mar-2024</td> <td>379696</td> </tr> <tr> <td>Total</td> <td>2118707</td> </tr> <tr> <td>Avg./Day</td> <td>11577.63</td> </tr> </tbody> </table> <p>Industrial effluent treated in dedicated effluent treatment plant including primary, secondary and tertiary treatment.</p>	Month	Industrial Effluent	Oct-2023	322664	Nov-2023	387224	Dec-2023	381265	Jan-2024	320412	Feb-2024	327446	Mar-2024	379696	Total	2118707	Avg./Day	11577.63
Month	Industrial Effluent																			
Oct-2023	322664																			
Nov-2023	387224																			
Dec-2023	381265																			
Jan-2024	320412																			
Feb-2024	327446																			
Mar-2024	379696																			
Total	2118707																			
Avg./Day	11577.63																			
	Treated effluent (14400m ³ /day) shall be recycled for cooling tower make up water and treated effluent (17520 m ³ /day) shall be reused as DM plant feed.	<p>Complied.</p> <p>Treated effluent is being recycled for cooling tower and DM Plant.</p> <p>-</p>																		

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
	High TDS effluent stream (3600 m ³ /day) shall be discharged into Gulf of Cambay through close pipeline of GIDC after conforming to the standards prescribed for the effluent discharge and obtaining permission from the GPCB. No process effluent shall be discharged Inland and around the project site.	Complied. Unit is discharging treated high TDS effluent to Gulf of Cambay through close pipeline of GIDC and unit is not discharging any effluent to inland and area around project site.
ix.	High TDS effluent stream shall be passed through guard pond. Online pH meter, flow meter and TOC analyser shall be installed.	Complied. High TDS effluent stream is being passed through final collection tank. Also, unit has provided pH meter, flow meter and TOC analyser are installed.
x.	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied. There is no mixing of process effluent with storm water, and special arrangements are developed to collect effluent from process areas and direct it to the ETP for treatment and disposal. Separate storm water channels network is laid which is finally passed through to two nos of oil catchers.
xi.	Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Complied. Unit is consuming fresh water from GIDC and which is being recorded on regular basis. Surface water and ground water quality has been carried out at three locations during compliance period through third party NABL accredited/ MoEF&CC recognized Environmental Laboratories. Monitoring reports are attached as Appendix 3.
xii.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement} Rules, 2008 and amended as on date for management of Hazardous wastes and prior Permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF.	Complied. Unit has obtained membership certificate for disposal of hazardous waste and same is attached as Appendix 6.
	Measures shall be taken for firefighting facilities in case of emergency.	Complied. Unit has prepared Emergency Response & Control Procedure with firefighting facilities

Sr No	EC Condition	Compliance Status (As on 31/03/2024)								
		for OPaL's petrochemical complex and copy of same is attached as Appendix 4.								
xiii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Complied. Opal has provided firefighting system for Protection from possible fire hazards during manufacturing process in material handling. Details are given in ERCP plan which is enclosed as Annexure- 4.								
xiv.	A well-designed rainwater harvesting system shall be put in place within six months, which shall comprise of rainwater collection from the built up and open area in the plant premises.	Complied. Rainwater harvesting systems are provided around the administration building to collect rainwater from the buildings. Contaminated rainwater from the process units is transferred to a wastewater collection and treatment system and treated in a separate Contaminated Rainwater Treatment System and reused within plant premises.								
xv.	ESR schemes identified based on need assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. Company shall provide separate budget for community development activates and income generating programmes.	Complied. Unit has donated 10,00,000/- rs to established Sainik School i.e." Netaji Subhash Chandra Bose Military Academy at Silvasa as a part of CSR activity.								
xvi.	An Environmental Cell comprising of at least one expert. In environmental science/engineering, occupational health and social scientist, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization who would be accountable for implementation of environmental regulations and social impact Improvement/mitigation measures.	Complied. Unit has prepared Environmental cell as per said condition.								
xvii	Training shall be Imparted to all employees on safety and health aspects of chemicals handling.	Complied. Unit is providing training to employees on regular basis.								
	- Employee Training-	<table border="1"> <thead> <tr> <th data-bbox="289 1843 402 1875">S. No</th> <th data-bbox="402 1843 873 1875">Training Subject</th> <th data-bbox="873 1843 1187 1875">Total No of Sessions</th> <th data-bbox="1187 1843 1406 1875">No of participants</th> </tr> </thead> <tbody> <tr> <td data-bbox="289 1875 402 1902">1</td> <td data-bbox="402 1875 873 1902">ERCP</td> <td data-bbox="873 1875 1187 1902">3</td> <td data-bbox="1187 1875 1406 1902">41</td> </tr> </tbody> </table>	S. No	Training Subject	Total No of Sessions	No of participants	1	ERCP	3	41
S. No	Training Subject	Total No of Sessions	No of participants							
1	ERCP	3	41							

Sr No	EC Condition		Compliance Status (As on 31/03/2024)	
	2	Hazardous waste Management	1	12
	3	Incident Reporting & Investigation	4	67
	4	Permit to work	7	90
	5	PSM Element- PSSR	4	48
	6	PSM- MOC	3	46
	7	PSM- MIQA	3	57
	8	PSM- OD	2	40
	9	PSM Element TT for MIQA, PSI & OP&SWP	1	52
	10	PSM Element TT for OD, T&P, PSSR, Incident	1	38
	11	PSM Element TT for What-if, HAZOP, BOW Tie analysis	1	25
	12	TT- Authorised Gas Tester	1	13
	13	TT- Permit to work	1	13
	-			
	Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.		Complied. Pre-employment and routine periodical medical examinations for employees are being carried out on regular basis.	
	Occupational health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.		Complied. Occupational health surveillance of the employees is being carried out on regular basis and records maintained as per the Factories Rules. Health checkup reports of employees are attached as Appendix 5 .	
xvii i.	Green belt shall be developed In 50 ha land out of the total plant area. Selection of plant species shall be as per the CPCB guidelines.		Complied. Unit has developed greenbelt within plant premises.	
xix.	All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be Implemented.		Complied. Unit is following all recommendations mentioned in rapid risk assessment report, disaster management plan and safety guidelines.	
xx	Provision shall be made for the housing for the construction labor within the site with all necessary Infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be In the form of temporary structure to be removed after the completion of the project.		Not Applicable. At present unit is in operational phase based on obtained valid EC.	
	All the construction wastes shall be managed so that there is no Impact on the surrounding Environment.		Complied. Unit has reused recyclable construction waste within plant premises for construction	

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
		purpose and non-recyclable waste was send to MSW landfill site.
B	General Conditions	
i	The project authorities shall strictly adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied.
ii	No further expansion, or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions Imposed and to add additional environmental protection measures required, if any.	Noted. Unit assure that unit will not do any further expansion or modification till unit will get necessary permission for the authority.
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is Installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Ambient air quality monitoring has been carried out at three locations by third party environmental laboratories on regular period. Monitoring reports are attached as Appendix 3.
iv	The overall noise levels In and around the plant area shall be kept well within the standards by providing noise control measures Including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act,1986 Rules,1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. Noise monitoring has been carried out by third party environmental laboratories on regular period. Also, unit has noise control measures like acoustic hoods, silencers, enclosures etc. on all sources of noise generation i.e., D G set & boiler room.
v	Training shall be Imparted to all employees on safety and health aspects of chemicals handling.	Complied. Unit is providing training to employees on regular basis.
	Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	Complied. Pre-employment and routine periodical medical examinations for employees are being carried out on regular basis.
	Training to all employees on handling of chemicals shall be imparted.	Complied. Unit is providing training to employees on regular basis.

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
vi.	Usage of Personnel Protection Equipment's (PPEs) by all employees/ workers shall be ensured.	Complied. Unit has provided PPE kits to employees.
vii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. The recommendations made in the EIA, EMP in respect of environmental management, risk mitigation measures and Public Hearing relating to the project shall be Implemented.	Complied. Unit is taking necessary measures as per said conditions.
viii.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by Involving local villages and administration.	Complied. Unit has donated 10,00,000/- rs to established Sainik School i.e." Netaji Subhash Chandra Bose Military Academy at Silvasa as a part of CSR activity.
ix.	The company shall undertake eco-developmental measures including community well fare measures in the project area for the overall Improvement of the environment.	Noted. It is to note that unit has donated 10,00,000/- rs to established Sainik School i.e." Netaji Subhash Chandra Bose Military Academy at Silvasa as a part of CSR activity.
x.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied. Opal has dedicated Environmental Cell consisting of the necessary personnel/experts, as well as an in house lab capable of doing all necessary environmental analyses.
xi.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Noted. Unit has allocated environmental budget for different types of environmental activities.
xii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	Complied. Unit has submitted EC letter copy to Panchayat, Zila Parisad/Municipal Corporation, Urban local Body.
xiii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data	Complied. Unit has submitted EC Compliance for period of April 2023 to September 2023 to the IRO

Sr No	EC Condition	Compliance Status (As on 31/03/2024)
	(both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six-monthly compliance status reports shall be posted on the website of the company.	Gandhinagar, respective Zonal Office of CPCB and the Gujarat Pollution Control Board well within the stipulated date. The copy of Environmental Clearance and six-monthly compliance status reports is being posted on the website of the company.
xiv	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by email	Complied Unit is regularly submitting the environmental statement for each financial year ending 31 st March in Form-V to the Gujarat Pollution Control Board.
xv.	The project proponent shall Inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at www.moef.nic.in This shall be advertised within seven days from the date of Issue of the clearance letter, at least In two local newspapers that are widely circulated In the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. Advertisement for granted EC, has given in local newspaper as English language in Times of India and Gujarati language in Divya Bhaskar on 10/07/2014.
	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied. Financial closure of entire commissioning amounts done. Final approval of the project by the concerned authorities - Consolidated Consent & Authorization (CC&A) has been renewed by GPCB vide consent order No.: AWH-109305 on 08/07/2020, which is valid till 07/07/2025. Copy of Consent to Established is attached as Appendix-7 & Consolidated Consent and Authorization is placed as Appendix - 8 .