



# Gujarat Alkalies and Chemicals Limited

(Promoted by Govt. of Gujarat)

Dahej Complex : P.O. Dahej - 392130, Tal. Vagra, Dist. Bharuch (Gujarat) INDIA

Phone : +91-2641-256315/ 6 /7. Fax : +91-2641-256220.

CIN NO : L24110GJ1973PLC002247

Outward No. : S&E/DHJ/E-28A/20-21/01

Date- 13<sup>th</sup> Jan 2022

Ministry of Environment, Forest and Climate Change,  
Integrated Regional Office,  
Gandhi Nagar, A-Wing – 407 & 409,  
Aranya Bhawan,  
Near CH-3 Circle, Sector-10A,  
Gandhi Nagar – 382010

**Sub: Gujarat Alkalies and Chemicals Ltd.- Submission of half yearly compliance report  
(Period for report- July 2021 till Dec 2021)**

**Ref- EC issued vide letter nos.-**

**1. SEIAA/GUJ/EC/4(d),5(f)& 1(d)/649/2020 Dated 09/06/20**

Dear Sir,

We are pleased to submit herewith half yearly compliance report. Period for report- **July 2021 till Dec 2021**, as per Amended Environmental clearance issued under above references and as per EC condition for GACL at plot no D II/9, GIDC Dahej- II, Taluka Vagra, District Bharuch, Gujarat.

Amendment in Environmental Clearance (Bifurcation) is accorded by SEIAA, Gujarat for the proposed Greenfield project Captive Power Plant and Synthetic Organic Chemical Products at Plot No. DII/9, GIDC Dahej, Taluka: Vagra, District: Bharuch, Gujarat State vide its letter of clearance dated 9<sup>th</sup> June, 2020 Vide letter number SEIAA/GUJ/EC/4(d),5(f)& 1(d)/649/2020.

The Above said amendment is done in between GACL and GNAL. Reference copy of EC is attached herewith for your reference purpose. Detailed compliance with each stipulated condition will be submitted in next review period.

Kindly consider the EC Letter number **SEIAA/GUJ/EC/1 (d),4(d)&5(f)/268/2018 Dated-19/03/2018** null and void as per recent amendment of Environment Clearance.

As described by you same report is submitted in a soft form through email.

We express our sincere gratitude to the ministry for its kind support and co-operation extended from time to time for our project and solicits continued guidance in the operation of plant.

Thanking You,  
Yours Sincerely,

**For Gujarat Alkalies and Chemicals Ltd**

**(Authorized Signatory)**



**Enclosure: EC Copy**

**Copy to 1.: Member Secretary**  
Gujarat Pollution Control Board  
Gandhinagar

**2.: Regional Office**  
Gujarat Pollution Control Board  
Bharuch

**3: Director**  
Ministry of Environment and Forest  
New Delhi

**4: Member Secretary**  
Central Pollution Control Board  
New Delhi



Regd. Office & Works : P.O. Petrochemicals - 391 346, Dist. Vadodara(Gujarat) INDIA

Phone : +91-265-2232681, 3061200, 6540463 Fax : +91-265-2232130, 2230031

Website : www.gacl.com



## GUJARAT ALKALIES AND CHEMICALS LIMITED

**Status of Compliance of the stipulated conditions of the Environment Clearance no SEIAA/GUJ/EC/4(d),5(f)&1(d)/6492020 Dated 9th June 2020**

**Period for report- July 2021 till Dec 2021.**

### EC COMPLIANCE FOR PLOT D 2/9

Recommendation to grant amendment (Bifurcation) in Environmental Clearance to M/s Gujarat Alkalies and Chemicals (GACL) at Plot No. D II/9, GIDC Dahej, Taluka: Vagra, District: Bharuch, Gujarat. and M/s GACL-NALCO Alkalies and Chemicals Pvt. Ltd. (GNAL) at Plot No. DII/9/1 & DII/9/1 GIDC Dahej, Taluka: Vagra, District: Bharuch, Gujarat.

Current Status of Project- Project is yet to be started for erection and commissioning. Detailed Engineering is done for CLM Plant. Construction in phasewie manner is going on for Chloro methane plant. Besides CLM all other projects are yet to be started on ground.

Sr No.	EC CONDITIONS:	Compliance status
<b>No.</b>	<b>After Bifurcation for GACL</b>	
<b>A.1</b>	<b>Specific Condition</b>	
1	Leak Detection and Repair (LDAR) program shall be prepared and, implemented as per the CPCB guidelines.	Noted, Requirement will be complied.
2	Intermediate products/By-products mentioned in the product list qualifying the hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendment time to time shall be sold only to the potential users who are authorized by the competent authority (MoEF/CPCB/SPCB) and provisions of said rules shall be complied in letter and spirit.	Noted, Requirement will be complied.
3	The company shall submit the list of authorized end users of above mentioned wastes along with MoU signed with them at least two months in advance prior to commencement of Production. In absence of potential buyers of these items, the unit shall restrict the production of respective item.	Noted, Requirement will be complied.
4	Continuous Emission Monitoring System (CEMS) shall be provided for monitoring of air pollutants and waste water discharge.	(CEMS) shall be provided at project execution stage.
5	--	NA
6	--	NA
7	Unit shall comply all the conditions & recommendations mentioned in the guidelines	Unit will comply with all the recommendations at execution stage.
8	All measures shall be taken to prevent soil and ground water contamination.	All measures will be taken care for prevention of soil and ground water contaminatin.
9	The project proponent shall submit the detailed study report to Gujarat Pollution Control Board (GPCB) at least once in a year comprising details of percolation rate of surface water, ground water analysis and observations of contamination to soil & ground water (If any) and mitigation measures to curb ground water & Soil contamination.	Detail report of ground water will be submitted to GPCB after project execution. Currently project is under construction phase.
10	Necessary approvals from PESO and concerned Govt. Authorities shall be obtained before commissioning of the project.	PESO approvals for CLM storage is under progress, Application is done at PESO and soon liscence will be obtained.

Sr No.	EC CONDITIONS:	Compliance status
11	Unit shall provide captive incinerator for ECH plant as per the CPCB guide lines.	ECH Project is yet to be started. Currently on hold.
12	Unit shall comply the emission standards mentioned in the Notification by MOEF&CC vide no. S.D. 3305 I dated 07/12/2015.	Unit will comply the emission standards mentioned in the Notification by MOEF&CC vide no. S.D. 3305 I dated 07/12/2015 after execution of project.
13	The Unit shall comply with the Provisions with reference to stack height for power plant as and when the draft Notification vide No. S.O. 3337 I dated 16 <sup>th</sup> October, 2017 is duly finalized and enforced.	Unit will comply with the provision. Currwntly power plant is yet to be started for construction activity.
14	Unit shall use Imported Coal having Sulphur content less than 0.5 % in Captive Power Plant.	Unit will comply with the provision. Currwntly power plant is yet to be started for construction activity.
15	Unit shall provide Online Emission and Effluent Monitoring System and an arrangement shall also be done for reflecting the online monitoring results on the company's server which can be assessable by the GPCB on real time basis.	Unit will comply with all the recommendations at execution stage.
16	Unit shall comply the emission standards mentioned in the Notification by MoEF&CC vide no. S.O. 3305 I dated 07/12/2015 and amended time to time.	Unit will comply with all the recommendations at execution stage.
17	Unit shall comply all the conditions stipulated in Coal Handling Guidelines published by GPCB.	Currwntly power plant is yet to be started for construction activity.
18	The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.	Unit will comply with all the recommendations at execution stage.
19	The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 I dated 16 <sup>th</sup> November, 2009 shall be complied with.	Unit will comply with all the recommendations at execution stage.
20	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.	Unit will comply with all the recommendations at execution stage.
21	The project proponent shall allocate the separate fund of Rs. 3436.25 lakhs i.e. 0.75 % of the capital investment in accordance to the MoEFCC's Office—Memorandum No. F.No.22-65/2017'-IA.1II dated 01/05/2018. 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.	CSR Activity details are attached as <b>Annx 1</b>
22	All the Recommendations mitigation measures, environment protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Eco Chem Sales and Services and submitted by project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Unit will comply with all the recommendations at execution stage.
<b>A.2</b>	<b>Water</b>	
23	Total water requirement for the project shall not exceed 2755 KLD. Unit shall reuse 272 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 2463 KLD and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.	Unit will comply with all the recommendations at execution stage.
24	Prior permission from the concerned authority shall be obtained for withdrawal of water.	Approval from GIDC for water permission letter is attached.

Sr No.	EC CONDITIONS:	Compliance status
25	No ground water shall be tapped for the project requirements.	GIDC is a source of water supply, ground water is not utilized.
26	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	GIDC water meter at source is installed and readings for water consumption is maintained.
27	All efforts are made to optimize water consumption by exploring Best Available Technology (BAT).	Unit will comply with all the recommendations at execution stage.
28	The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Unit will comply with all the recommendations at execution stage.
29	Unit shall segregate industrial waste water streams as Stream A	
30	Stream I: Wastewater generated from Process, washing and safety showers from Chloromethane, Chlorotoluene, Epichlorohydrin and Chlorinated Paraffin Wax, plant (175 KLD) shall be treated in ETP-1 (Cap. 200 KLD) and treated water shall be discharged into GIDC effluent collection system for sea discharge. Waste	Unit will comply with all the recommendations at execution stage.
	Stream-III: The industrial effluent 363 KLD (199 KLD from boiler, 13 KLD from DM regeneration, 29 from softener backwash, 102 KLD from cooling tower blow down and 20 KLD from washing) shall be treated in adequate ETP-1A (Cap.400 KLD) followed by UF-1A and RO System-1A. RO Permeate (272 KLD) shall be reused for industrial purpose within plant premises. RO reject (91 KLD) shall be reused for dust suppression and for sprinkling in coal handling units within premises.	
31	Total Industrial waste water generation shall not exceed 538 KL/day	Unit will comply with all the recommendations at execution stage.
32	Total discharge of waste water into GIDC's drain for deep sea disposal after conforming to outlet norms prescribed by GPCB/CPCB MoEF&CC shall not exceed 175 KLD.	Unit will comply with all the recommendations at execution stage.
33	The company shall provide adequate effluent treatment plants for stream I and Stream III as mentioned above and it shall be operated regularly and efficiently so as to achieve the GPCB/CPCB/MoEF&CC norms.	Unit will comply with all the recommendations at execution stage.
34	The treated effluent for final disposal shall not exceed 175 KLD and it shall be conveyed to GIDC drain for deep Sea disposal after ensuring that it meets with the discharge norms prescribed by GPCB.	Unit will comply with all the recommendations at execution stage.
35	The unit shall provide continuous online monitoring system at the outlet of the ETP system and maintain records for the same.	Unit will comply with all the recommendations at execution stage.
36	Unit shall take steps measures for reuse/recycle of wastewater as proposed in EIA/EMP report.	Unit will comply with all the recommendations at execution stage.
37	Domestic wastewater generation shall not exceed 20 KLD for proposed project and it shall be treated in STP (Cap. 30 KLD).	Unit will comply with all the recommendations at execution stage.
38	Treated sewage shall be utilized for gardening and plantation within premises after achieving prescribed GPCB norms.	Unit will comply with all the recommendations at execution stage.
39	During monsoon season when treated sewage effluent 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	Unit will comply with all the recommendations at execution stage.
40	Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.	Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status																
41	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 GIDC or GPCB or any such authority created for this purpose by the Govt./ GIDC.	Unit will comply with all the recommendations at execution stage.																
42	Proper logbooks of ETP-1 & ETP-1A, & UF/RO Operations, Chemical Consumption, quantities and qualities of effluent discharge and reuse, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	Unit will comply with all the recommendations at execution stage.																
43	The unit shall provide metering facility at the inlet and outlets ETP-1, ETP-1A, STP, UF, RO, reuse lines, discharge line and maintain records for the same.	Unit will comply with all the recommendations at execution stage.																
<b>A.3</b>	<b>Air</b>																	
	Unit shall not exceed fuel consumption as mentioned in the table.																	
44	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Stack Attached to</th> <th>Stack Height (M)</th> <th>Nos of stacks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>D. G. Set (1*225 kVA)</td> <td>9</td> <td>1</td> </tr> <tr> <td>2</td> <td>D. G. Set (1*1000 kVA)</td> <td>9</td> <td>1</td> </tr> <tr> <td>3</td> <td>Boilers – 280 TPH</td> <td>50</td> <td>1</td> </tr> </tbody> </table>	S. No.	Stack Attached to	Stack Height (M)	Nos of stacks	1	D. G. Set (1*225 kVA)	9	1	2	D. G. Set (1*1000 kVA)	9	1	3	Boilers – 280 TPH	50	1	Unit will comply with all the recommendations at execution stage.
S. No.	Stack Attached to	Stack Height (M)	Nos of stacks															
1	D. G. Set (1*225 kVA)	9	1															
2	D. G. Set (1*1000 kVA)	9	1															
3	Boilers – 280 TPH	50	1															
45	Unit shall provide adequate APCM as mentioned in the above table.	Unit will comply with all the recommendations at execution stage.																
46	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.	Unit will comply with all the recommendations at execution stage.																
47	A long term study of radio activity and heavy metals contents on coal lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring, reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal lignite and fly ash (including bottom ash) shall be put in place.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																
48	Height of flue gas stacks attached to Boilers shall be minimum 50 m.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																
49	High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																
50	Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																
51	Lime stone injection technology shall be adopted to control S02 and it shall be ensured that S02 levels in the ambient air do not exceed the prescribed standards.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																
52	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	Unit will comply with all the recommendations at execution stage. Power plant construction is yet to start																

Sr No.	EC CONDITIONS:				Compliance status
	Unit shall provide APCM for various plants as per the table.				
	<b>S/N</b>	<b>Source of Emission</b>	<b>Type of Emission</b>	<b>Stack/ Vent Height (meter)</b>	
53	1	Reactor of Chlorotoluene plant	HCl, Cl <sub>2</sub>	33	Unit will comply with all the recommendations at execution stage. Chlorotoluene, ECH plant construction is yet to start. CLM plant is under mechanical structural phase of construction.
	2	Scrubbing unit in Chloromethanes plant	HCl, Cl <sub>2</sub> , CO,	30	
			SO <sub>2</sub> , Nox, HC		
	3	Incinerator of Epichlorohydrin plant	Nox, CO, HCl,	25	
C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> , TOC, Dioxin					
54	Adequate Air Pollution Control Measures [APCM] shall be provided.				Adequate Air Pollution Control Measures [APCM] will be provided.
55	Flue gas emission & Process gas emission (Whichever is applicable) shall conform to the standard prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.				Unit will comply with all the recommendations at execution stage.
56	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 I dated 16 <sup>th</sup> November, 2009 shall be followed.				Unit will comply with all the recommendations at execution stage.
57	Unit shall take adequate measures to control fugitive emissions as below:				
i	All the joints, flanges, pumps, glands, seals, valves shall be maintained in good conditions through timely predictive and preventive maintenance.				Unit will comply with all the recommendations at execution stage.
ii	Regular workplace monitoring shall be carried out for HCl & Cl <sub>2</sub> at various locations				
iii	Boundary wall as Wind breaker shall be provided to restrict the dispersion of odor				
iv	Well-developed green belt is provided at the existing site and shall be maintained				
v	All tanks being used for storage of odorous chemicals products shall be connected to vacuum system. Manometers shall be provided on these tanks. The vacuum shall be monitored on daily basis and actions shall be taken accordingly.				
vi	All pumps handling hazardous chemicals shall be provided with mechanical seals to prevent fugitive emission. Wherever possible magnetic coupled pumps shall be used.				
vii	Any spillage from drums etc. shall be absorbed with saw dust I soda ash and moped clean. The contaminated absorbent shall be safely disposed off along with hazardous waste.				
viii	Manual Handling of various chemicals shall be avoided and shall be designed by				
ix	All venting equipment shall have vapor recovery system. Measuring Instruments with sound alarm and having strategically placed sensing elements shall be provided for alerting the personnel in case of any escape of gases like Chlorine. Interlock with blower shall be provided.				
58	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.				Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status
59	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.	Unit will comply with all the recommendations at execution stage.
	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	Unit will comply with all the recommendations at execution stage.
	Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.	Unit will comply with all the recommendations at execution stage.
	A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	Green belt development is under progress, Images are attached <b>Annx 2</b>
60	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Unit will comply with all the recommendations at execution stage.
61	Airborne dust all transfers operations points shall be controlled either by spraying water or providing enclosures.	Unit will comply with all the recommendations at execution stage.
62	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.	Unit will comply with all the recommendations at execution stage.
	All handling & transport of coal shall be exercised through covered coal conveyors only.	Unit will comply with all the recommendations at execution stage.
	Enclosure shall be provided at Coal loading and unloading operations.	
	Water shall be sprinkled on Coal stock piles periodically to retain some moisture in top layer and also while compacting to reduce the fugitive emission.	
	All transfer points shall be fully enclosed.	
	Adequate dust suppression/extraction system at crusher house as well as for the Coal/lignite stock yard and other vulnerable areas shall be provided to abate dust nuisance.	
	Accumulated coal dust /fly ash on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping,	
	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.	
	Coal/Lignite shall be transported through covered trucks only whereas fly ash shall be transported through closed trucks only.	

Sr No.	EC CONDITIONS:	Compliance status
	A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	
63	Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, HC, Dioxin and VOC 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.	Unit will comply with all the recommendations at execution stage.
64	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Unit will comply with all the recommendations at execution stage.
65	Adequate Air Pollution Control Measures (APCM) shall be provided.	Unit will comply with all the recommendations at execution stage.
66	Flue gas emission & Process gas emission shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Unit will comply with all the recommendations at execution stage.
67	All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Unit will comply with all the recommendations at execution stage.
68	Online monitoring system shall be installed to monitor the SOx, NOx and SPM in the flue gas stack. An arrangement shall also be done for reflecting the online monitoring results on the company's server, which can be assessable by the GPCB on real time basis	Unit will comply with all the recommendations at execution stage.
69	Adequate storage facility for the fly ash in terms of closed silos shall be provided at site. No ash pond shall be constructed.	Unit will comply with all the recommendations at execution stage.
70	Handling of the fly ash shall be through a closed pneumatic system.	Unit will comply with all the recommendations at execution stage.
71	Ash shall be handled only in dry state.	Unit will comply with all the recommendations at execution stage.
72	The unit shall strictly comply with the Fly Ash Notification under the EPA and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.	Unit will comply with all the recommendations at execution stage.
73	There shall be no process gas emission from the proposed project	Unit will comply with all the recommendations at execution stage.
<b>A.4</b>	<b>Solid / Hazardous Waste</b>	



Sr No.	EC CONDITIONS:	Compliance status																																																
73	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 amended from time to time, Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.	Unit will comply with all the recommendations at execution stage.																																																
74	Any by-products which fall under the purview of the Hazardous and other Wastes (Management and Transboundary Movement) Rules 2016 shall be handled as per the said rules and necessary permissions from the concern authority shall be obtained.	Unit will comply with all the recommendations at execution stage.																																																
75	Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Unit will comply with all the recommendations at execution stage.																																																
76	<p>Management of Hazardous waste shall be according to the table.</p> <table border="1" data-bbox="212 995 1057 1936"> <thead> <tr> <th data-bbox="212 995 402 1052">S/N</th> <th data-bbox="402 995 594 1052">Type/ Name of Hazardous waste</th> <th data-bbox="594 995 818 1052">Source of Generation</th> <th data-bbox="818 995 1057 1052">Disposal Method</th> </tr> </thead> <tbody> <tr> <td data-bbox="212 1052 402 1098">1</td> <td data-bbox="402 1052 594 1098">High M.P Liquid Impurities</td> <td data-bbox="594 1052 818 1098">Chlorotoluene Plant</td> <td data-bbox="818 1052 1057 1098">Incineration (In-house / BEIL-Dahej)</td> </tr> <tr> <td data-bbox="212 1098 402 1144">2</td> <td data-bbox="402 1098 594 1144">Used/spent oil</td> <td data-bbox="594 1098 818 1144">DG Sets</td> <td data-bbox="818 1098 1057 1144">Sold to GPCB authorized reprocesses</td> </tr> <tr> <td data-bbox="212 1144 402 1211">3</td> <td data-bbox="402 1144 594 1211">Discarded drums and containers</td> <td data-bbox="594 1144 818 1211">Process</td> <td data-bbox="818 1144 1057 1211">Collection, decontamination &amp; sold to GPCB authorized recyclers</td> </tr> <tr> <td data-bbox="212 1211 402 1278">4</td> <td data-bbox="402 1211 594 1278">Oil Contaminated cotton rags or other cleaning materials</td> <td data-bbox="594 1211 818 1278">Handling</td> <td data-bbox="818 1211 1057 1278">Incineration in captive incinerator / BEIL incinerator</td> </tr> <tr> <td data-bbox="212 1278 402 1325">5</td> <td data-bbox="402 1278 594 1325">ETP waste</td> <td data-bbox="594 1278 818 1325">ETP</td> <td data-bbox="818 1278 1057 1325">TSDF of BEIL-Dahej</td> </tr> <tr> <td data-bbox="212 1325 402 1371">6</td> <td data-bbox="402 1325 594 1371">Incineration Ash</td> <td data-bbox="594 1325 818 1371">ECH Plant</td> <td data-bbox="818 1325 1057 1371">TSDF of BEIL-Dahej</td> </tr> <tr> <td data-bbox="212 1371 402 1438">7</td> <td data-bbox="402 1371 594 1438">Waste residue from industrial use of paint</td> <td data-bbox="594 1371 818 1438">Entire site</td> <td data-bbox="818 1371 1057 1438">Shall be sold to Authorised recyclers by auction process</td> </tr> <tr> <td data-bbox="212 1438 402 1556">8</td> <td data-bbox="402 1438 594 1556">Lead washers etc. as Lead scrap</td> <td data-bbox="594 1438 818 1556">Entire site</td> <td data-bbox="818 1438 1057 1556">Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process</td> </tr> <tr> <td data-bbox="212 1556 402 1715">9</td> <td data-bbox="402 1556 594 1715">Nickel Scrap</td> <td data-bbox="594 1556 818 1715">Entire site</td> <td data-bbox="818 1556 1057 1715">Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process</td> </tr> <tr> <td data-bbox="212 1715 402 1875">10</td> <td data-bbox="402 1715 594 1875">Copper tubing, caps and cables etc. – As Copper scrap</td> <td data-bbox="594 1715 818 1875">Entire site</td> <td data-bbox="818 1715 1057 1875">Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process</td> </tr> <tr> <td data-bbox="212 1875 402 1936">11</td> <td data-bbox="402 1875 594 1936">Spent Carbon</td> <td data-bbox="594 1875 818 1936">Entire site</td> <td data-bbox="818 1875 1057 1936">Incineration in captive incinerator / BEIL incinerator</td> </tr> </tbody> </table>	S/N	Type/ Name of Hazardous waste	Source of Generation	Disposal Method	1	High M.P Liquid Impurities	Chlorotoluene Plant	Incineration (In-house / BEIL-Dahej)	2	Used/spent oil	DG Sets	Sold to GPCB authorized reprocesses	3	Discarded drums and containers	Process	Collection, decontamination & sold to GPCB authorized recyclers	4	Oil Contaminated cotton rags or other cleaning materials	Handling	Incineration in captive incinerator / BEIL incinerator	5	ETP waste	ETP	TSDF of BEIL-Dahej	6	Incineration Ash	ECH Plant	TSDF of BEIL-Dahej	7	Waste residue from industrial use of paint	Entire site	Shall be sold to Authorised recyclers by auction process	8	Lead washers etc. as Lead scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process	9	Nickel Scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process	10	Copper tubing, caps and cables etc. – As Copper scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process	11	Spent Carbon	Entire site	Incineration in captive incinerator / BEIL incinerator	Unit will comply with all the recommendations at execution stage.
S/N	Type/ Name of Hazardous waste	Source of Generation	Disposal Method																																															
1	High M.P Liquid Impurities	Chlorotoluene Plant	Incineration (In-house / BEIL-Dahej)																																															
2	Used/spent oil	DG Sets	Sold to GPCB authorized reprocesses																																															
3	Discarded drums and containers	Process	Collection, decontamination & sold to GPCB authorized recyclers																																															
4	Oil Contaminated cotton rags or other cleaning materials	Handling	Incineration in captive incinerator / BEIL incinerator																																															
5	ETP waste	ETP	TSDF of BEIL-Dahej																																															
6	Incineration Ash	ECH Plant	TSDF of BEIL-Dahej																																															
7	Waste residue from industrial use of paint	Entire site	Shall be sold to Authorised recyclers by auction process																																															
8	Lead washers etc. as Lead scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process																																															
9	Nickel Scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process																																															
10	Copper tubing, caps and cables etc. – As Copper scrap	Entire site	Sold to recyclers registered with MSTC and possessing requisite valid Environmental permissions from respective State Pollution Control Boards by auction process																																															
11	Spent Carbon	Entire site	Incineration in captive incinerator / BEIL incinerator																																															

Sr No.	EC CONDITIONS:			Compliance status	
	12	Discarded bags / liner / packing material, Discarded PPEs, gaskets	Entire site	Shall be sold to Authorised recyclers by auction process	Unit will comply with all the recommendations at execution stage.
77	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.				Unit will comply with all the recommendations at execution stage.
78	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.				Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status
79	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	Unit will comply with all the recommendations at execution stage.
80	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.	Unit will comply with all the recommendations at execution stage.
81	The design of the Trucks/tankers shall be such that there is no spillage during transportation.	Unit will comply with all the recommendations at execution stage.
82	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Unit will comply with all the recommendations at execution stage.
<b>A.5</b>	<b>Safety</b>	
83	The occupier/project proponent shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963 as well as Manufacture, Storage and Impact of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals.	Unit will comply with all the recommendations at execution stage.
84	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 Onsite and Off-site Management Plans have to be prepared and implemented.	Unit will comply with all the recommendations at execution stage.
85	Main entry and exit shall be separate and clearly marked in the facility.	Main entry and exit is clearly marked.
86	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Sufficient peripheral passage is maintained.
87	Storage of flammable chemicals shall be sufficiently away from the production area.	Storage is planned away from production area.
88	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Sufficient number of fire protecting equipment will be provided.
89	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.	All necessary precautionary measures will be taken care.
90	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.	Unit will comply with all the recommendations at execution stage.
91	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	Unit will comply with all the recommendations at execution stage.
92	Only flame proof electrical fittings shall be provided in the plant premises.	Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status
93	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.	Unit will comply with all the recommendations at execution stage.
94	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.	Unit will comply with all the recommendations at execution stage.
95	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.	Unit will comply with all the recommendations at execution stage.
96	The up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.	Unit will comply with all the recommendations at execution stage.
97	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Unit will comply with all the recommendations at execution stage.
98	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Unit will comply with all the recommendations at execution stage.
99	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.	Unit will comply with all the recommendations at execution stage.
100	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Unit will comply with all the recommendations at execution stage.
101	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Unit will comply with all the recommendations at execution stage.
102	Necessary permissions from various statutory authorities like PESO. Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Unit will comply with all the recommendations at execution stage.
103	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be maintained.	Unit will comply with all the recommendations at execution stage.
104	Effective safety precaution shall be taken for chemical storage, process handling and transportation hazard.	Unit will comply with all the recommendations at execution stage.
105	Unit shall prepare and Implement SOP for safe operation of the works.	Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status
106	The unit shall comply the statutory provision of safety audit & its compliance report.	Unit will comply with all the recommendations at execution stage.
107	Effective step shall be taken for prevention of fire. Explosion & toxic release	Unit will comply with all the recommendations at execution stage.
108	Proper ventilation shall be provided in the work area	Unit will comply with all the recommendations at execution stage.
109	Necessary precautions like continuous monitoring of hot spots [ignited lignite] using temperature detection systems, water sprinklings, avoiding stacking of lignite near steam pipeline etc. shall be made for storing lignite to prevent fire hazard	Unit will comply with all the recommendations at execution stage.
110	A well designed fire hydrant system shall be installed as per prevailing standards	Unit will comply with all the recommendations at execution stage.
111	Adequate fire fighting facilities shall be provide at the proposed power plant. All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.	Unit will comply with all the recommendations at execution stage.
112	The project management shall prepare as detailed disaster management plan (DMP) for the project as per the guidelines from directorate of Industrial safety and health	Unit will comply with all the recommendations at execution stage.
<b>A.6</b>	<b>Noise</b>	
113	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 The Environment (Protection) Act, 1986 & Rules.	Unit will comply with all the recommendations at execution stage.
114	To minimize the noise pollution the following noise control measures shall be implemented:	Unit will comply with all the recommendations at execution stage.
	Selection of any new plant equipment shall be made with specification of low noise levels.	
	Manufacturers / suppliers of major noise generating machines / equipment's like air compressors, feeder pumps, turbine generators, etc. shall be instructed to make required design modifications wherever possible before supply and installation to mitigate the noise generation and to comply with the national/international regulatory norms with respect to noise generation for individual units	
	Regular maintenance of machinery and vehicles shall be undertaken to reduce the noise impact.	
	Noise suppression measures such as enclosures, buffers and / or protective measures shall be provided.	
	Employees shall be provided with ear protection measures like earplugs or earmuffs.	

Sr No.	EC CONDITIONS:	Compliance status	
	Proper oiling, lubrication and preventive maintenance shall be carried out of the machineries and equipment's to reduce noise generation.	Unit will comply with all the recommendations at execution stage.	
	Construction equipment generating minimum noise and vibration shall be chosen.		
	Ear plugs and/muffs shall be made compulsory for the construction workers working near the noise generating activities / machines / equipment.		
	Vehicles and construction equipment with internal combustion engines without proper silencer shall not be allowed to operate .		
	Construction equipment meeting the norms specified by EP Act, 1986 shall only be used .		
	Noise control equipment and baffling shall be employed on generators especially when they are operated near the residential and sensitive areas.		
	Noise levels shall be reduced by the use of adequate mufflers on all motorized equipment.		
<b>A.7</b>	<b>Cleaner Production and Waste Minimisation</b>		
115	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.		Unit will comply with all the recommendations at execution stage.
116	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		
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 of mopping of floor instead of floor washing to avoid effluent generation.		
j	Regular preventive maintenance for avoiding leakage, spillage etc.	Unit will comply with all the recommendations at execution stage.	
<b>A.8</b>	<b>Greenbelt and Other Plantation</b>		
117	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.	Green belt development is under progress, Images are attached Annx 2	
118	Drip irrigation flow-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Unit will comply with all the	

Sr No.	EC CONDITIONS:	Compliance status
		recommendations at execution stage.
<b>B.</b>	<b>Other Conditions</b>	
119	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-1A.111 dated 09/08/2018.	Unit will comply with all the recommendations at execution stage.
120	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	Unit will comply with all the recommendations at execution stage.
120	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, the Construction and Demolition Waste Management Rules, 2016 and the Plastics Waste Management Rules, 2016 shall be followed.	Unit will comply with all the recommendations at execution stage.
121	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-6512017-IA.111 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.	CSR Activity details are attached as Annx 1
122	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 around water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Unit will comply with all the recommendations at execution stage.
123	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. I GIDC.	
124	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.	Unit will comply with all the recommendations at execution stage.
125	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.	Unit will comply with all the recommendations at execution stage.

Sr No.	EC CONDITIONS:	Compliance status
126	All the commitments in undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Unit will comply with all the recommendations at execution stage.
127	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated	Separate Environment management cell is available with qualified staff
128	All the recommendations 1 commitments made in the EIAIEMP report of the project shall be implemented	Unit will comply with all the recommendations at execution stage.
129	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.	Unit will comply with all the recommendations at execution stage.
130	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.	Unit will comply with all the recommendations at execution stage.
131	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or stone water.	Unit will comply with all the recommendations at execution stage.
132	Pucca flooring 1 impervious layer shall be provided in the work areas, chemical storage areas and chemical handling	Unit will comply with all the recommendations at execution stage.
133	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.	Unit will comply with all the recommendations at execution stage.
134	The funds earmarked for environment protection measures shall be maintained in a separate account and there shall not	Unit will comply with all the recommendations at execution stage.
135	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.	Unit will comply with all the recommendations at execution stage.
136	The above condition will be enforced, inter-alia under the provision of the Water (prevention and control of pollution) Act 1974, the Air (prevention and control of pollution) Act 1981, the Environment (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments rules. The project proponent shall comply all the condition mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.	Unit will comply with all the recommendations at execution stage.
137	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Kadam Environmental Consultants, Vadodara and submitted by project proponent online application vide no. SIA/GJ/IND2/2162512016 dated 24101/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Unit will comply with all the recommendations at execution stage.
138	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.	Unit will comply with all the recommendations at execution stage.



Sr No.	EC CONDITIONS:	Compliance status
139	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.	Unit will comply with all the recommendations at execution stage.
140	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.	Unit will comply with all the recommendations at execution stage.
141	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	Advertisement is published In local news paper dated 10th July 2020.
142	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.	Unit will comply with all the recommendations at execution stage.
143	It shall be mandatory for the project management to submit yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Last compliance is submitted on Date- 10th July 2021 Outward No.: S&E/DHJ/E-28A/20-21/02
144	Concealing factual data or submission of false or 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
145	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Unit will comply with all the recommendations at execution stage.
146	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
147	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.	Unit will comply with all the recommendations at execution stage.
148	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.	Unit will comply with all the recommendations at execution stage.
149	This environmental clearance is valid for seven years from the date of issue.	Noted
150	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
151	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

## CSR activities carried out during 01.07.2021 to 31.12.2021

CSR activities carried out by GACL Education Society (GES) on behalf of Gujarat Alkalies and Chemicals Limited (GACL) are covered under following focus areas:

1. Promotion of Education and related activities
2. Special Children
3. Healthcare, Hygiene and Sanitation
4. Promotion of Art, Culture and Heritage
5. Water Conservation & Environment
6. Skill Development
7. Others

### **1. Promotion of Education and Related Activities**

- Financial Assistance for Setting up of Analytical Chemistry laboratory for school of science at GSFC University, Vadodara.
- Financial assistance towards construction of Midday Meal (MDM) shed at 04 Government Primary Schools near Dahej plant.
- Construction of New Anganwadi's of 4 Villages of Vagra Taluka i.e., Vav, Kadodara, Akhod & Atali. Refurbishment of one Anganwadi in Vengani village, Vagra taluka, Dahej. The work is Completed.
- Construction of Multi-Purpose shed in Sherkhi Nano Bhag Primary School through SVADES.
- Financial Assistance towards wall painting in 63 villages of Vagra Taluka, Bharuch District.
- Financial Assistance towards provision of Teaching volunteers at Govt Secondary and Higher Secondary School, Rahiyad and Govt Secondary School, Gandhar, Ta. Vagra, Dist. Bharuch.
- Financial Assistance towards provision of 2 Teaching volunteers at Government Secondary School, Suva village, Vagra taluka, Dist. Bharuch.
- Donating Books under "Wings of Knowledge" Campaign in Bharuch.
- Financial Assistance for Flooring repairing work of classroom at Besali Primary School, Ta. Vagra, Dist. Bharuch.
- Development of Ceramic embossed education charts for enhancing learning outcomes in 10 schools of NPSS, Vadodara.
- Procurement of stationary items for Rahiyad Government Primary School, Ta. Vagra.

## **2. Special Children**

- At Home for Mentally Differently-Abled Children (HMDC) following activities were conducted for special children:
  - There are total 61 Special Children as on December, 2021.
  - Maintained individual child care plan as per the guideline of Juvenile Justice Act, 2015 and updated it on timely.
  - Total donation received from July, 2021 to December, 2021 was Rs.8,25,507 Lakhs.
  - Children were taught and guided for using Masks, Hand Wash and Hand sanitizers. Children understood the concept of Social Distancing as well.
  - Children are taught to make Masks from cotton clothes material under vocational training.
  - Children are given steam every day on regular basis.
  - Every Morning children are motivated to do Exercises and Yoga by Special Educators.
  - Children are taught Art and Craft activities along with vocational Teacher and Special Educators
  - Celebration of Independence Day on 15th August, 2021.
  - Celebration of Rakshabandhan Festival and selling of items prepared by Children under Vocational training.
  - As a part of Vocational Training, the 'Rakhis' made for Rakshabandhan festival was displayed at Stalls planned at GACL Ranoli and GACL Dahej Plant.
  - Celebration of Janmashtami Festival in HMDC premises by Children and Special Educators.
  - Celebration of Ganesh Utsav in HMDC premises.
  - Children participated in the Garba Mahotsav organized by 'Chhatrapati Shivaji Sahkari Bank'.
  - Celebration of Garba Mahotsav in HMDC premises.
  - Under Vocational Training, Children prepared Diyas, Bags, Torans, Show-piece, Masks, etc and organized stalls at GACL Ranoli, GACL Dahej Plant and GACL Colony, Bharuch. Also, got an opportunity to display items prepared by children at NAIR (National Academy of Indian Railways) during event.
  - Organized one-day picnic for special children at Kamatibaug as a part of exposure.
  - A boy named 'Hardik' was rehabilitated to his home in Vadodara. Incharge, HMDC is visiting his home.
  - Organized Medical check-up camp at HMDC for Hemoglobin tests and Blood Group of Special children.
  - A boy named 'Anil' was admitted in SSG hospital and undergone operation for his leg.
  - Children participated in Dance Programme in an event organized by Social Justice and Empowerment Department- 'Azadino Amrut Mahotsav'.

- A boy named 'Harsh' was rehabilitated to his home from HMDC.
- Also, children are learning gardening as part of their vocational training.
- Every month Tree plantation by Special Children at HMDC.
- 27 HMDC children who are above 18 years and HMDC staff were given 2<sup>nd</sup> dose of COVID-19 vaccination in HMDC premises.
- HMDC Children has developed Kitchen Garden with the help of Special Educators.
- Organized Sports Day at HMDC premises wherein various games and sports activities were conducted.
- Under 'Seva Setu Programme' – 31 Children were provided Ration Card and Income Certificate under that scheme.
- Celebration of Christmas festival at HMDC premises.
- At HMDC, 29 Children's Bank account was opened in Bank of Baroda.
- Dhvani Trust had started foundation work of Construction of School for Children with Special Needs.

### **3. Healthcare, Hygiene and Sanitation**

- Nutrition Garden Projects in Dahod and Narmada District. Nutrition Garden project in Dahod for 90 beneficiaries for the year 2020-21. Installation of Mandwa Wadi is under process. And 75 beneficiaries in Dediya-pada and Sagbara Talukas of Narmada district.
- Financial Assistance to Tapovan Foundation for conducting various activities at "Vatsalyadham" (Old Age Home) at Tapovan Foundation, Jamnagar. The trust has completed 3 years and therefore the fund is released in September, 2021.
- Ranoli Drainage project to be implemented by Gram Panchayat Ranoli. The project will be started after Monsoon season either in the end of August, 2021 or in the 1<sup>st</sup> week of September, 2021.
- Nutritional Support to T.B. Patients in 9 PHC's of Vadodara for the period of 6 months.
- Installation of PSA Oxygen plant in Gujarat State Hospitals through Gujarat CSR Authority.
- T.B. Kit distribution to street cobbler (Mochi) for the period of 6 months. However, he died after one month of providing him T.B. kit; currently it is ongoing for his wife.

### **4. Promotion of Art, Culture and Heritage**

- Financial Assistance of Rs. 30,000/- for musical concert as a tribute to the great legend and musical genius 'Madan Mohan' to be organized by INSYNC at Vadodara.

## **5. Water Conservation and Environment**

- Financial Assistance for Tree Plantation Drive in the villages of Banaskantha District.
- Installation of bottle crusher machine, vertical garden and murals at Kevadiya Railway Station. From which, Bottle crusher machine is installed and for development of Vertical Garden and Murals is in Stand-by due to not getting approval from Railways. Hence, the work orders for respective vendors are cancelled for now.
- Supply of 200 Plants for Plantation and Tree Guards at Atali Village. The project is completed.
- Installation of 10 Bio Gas Plants in Koliyad Village, Dahej.
- Financial assistance towards Operation and Maintenance of Matariya Lake, Bharuch.
- Approval for beautifying space by lush greenery beneath a newly constructed flyover located parallel to Golden Bridge, Bharuch.
- Financial Assistance towards providing Tadpatri at Veterinary Hospital, Vagra.
- Financial Assistance towards pond beautification work at Rahiyad village.
- Request for approval of Tricycle with 8 bins in Gandhar village of Vagra Taluka, Bharuch District.
- Financial Assistance for Pond beatification and fencing work at Jolva Village.
- Financial Assistance for Drinking water pipeline project at Rahiyad under CER activities.
- Financial Assistance for construction of Sanitation block at Khojbal Primary School, Ta. Vagra, Dist. Bharuch.

## **6. Skill Development**

- Supported for revolving fund through Vikas to 36 small salt producers (agariyas) working in little Rann of Kutch for replacing diesel pumps with solar pumps. The project is ongoing. Installation of Solar Pumps is under process.

## **7. Others**

- Approval for procurement of various Softwares for Cyber Crime Police Station, Vadodara.
- Financial Assistance towards 6 fans at Police B division office at Vadodara

**Budget/Action Plan for F.Y. 2021-22 for various CSR activities (Till 31 DEC-2021)**

Sr.No.	Focus Area & Interventions 2021-22	Approved Budget / Action Plan 2021-22 (Rs. In lacs)	Utilisation 2021-22 (Rs. In lacs)	Balance Budget of Project	Name of project	Break up of Utilisation 2021-22
<b>A</b>	<b>Education</b>					
1	Anganwadi constructions and Refurbishment	40.00	37.35	2.65	Anganwadi constructions and Refurbishment	3,720,827.00
2	Smart Classroom projects	75.00	.94	74.06	Smart Classroom projects	0.00
					donating books under wing of knowledge capaign in kumar shool zadeshwar,bharuch	10,308.00
					Equipment Support to Bharti Vidhya Mandir, Bharuch	83,620.00
3	Provision of providing gap teachers in DIET,rahiyad,suva,ghadhar Bharuch	5.58	4.40	1.19	Provision of providing gap teachers in DIET, Bharuch	439,500.00
4	Installation of Solar rooftop in Bharuch schools	5.50	4.51	.99	Installation of Solar rooftop in Bharuch schools	451,199.00
5	Construction of Girls toilet in Paniyadra village	5.25	5.20	.05	Construction of Girls toilet in Paniyadra village	519,537.00
6	GSFC University - Development of Science Lab	16.50	16.50	.00	GSFC University - Development of Science Lab	1,650,000.00
7	Ceramics Embossed Education chart, NPSS Vadodara	26.00	3.57	22.43	Ceramics Embossed Education chart, NPSS Vadodara	357,120.00
8	MDM Shed and Education related initiatives	27.00	29.85	-2.85	MDM Shed and Education related initiatives	2,984,679.00
					Field Travel	14,569.00
	<b>Sub Total A:</b>	<b>200.83</b>	<b>102.31</b>	<b>98.52</b>		<b>10,231,359.00</b>
<b>B</b>	<b>HMDC/Special Children</b>					
1	Material for training	1.20	.00	1.20	Material for training	0.00
	Marketing & Packing	.25	.00	.25	Marketing & Packing	0.00
2	Salary	15.00	7.53	7.47	Salary	752,915.00
	Installation of Sub marsibal Pump/ Maintenance work	.88	.72	.16	Installation of Sub marsibal Pump/ Maintenance work	72,185.00
	Solar panel installation	6.00	2.58	3.42	Solar panel installation	258,060.00
	<b>Sub Total B:</b>	<b>23.33</b>	<b>10.83</b>	<b>12.50</b>		<b>1,083,160.00</b>
<b>C</b>	<b>Healthcare, Hygiene &amp; Sanitation</b>					
1	Bio shield	3.90	1.66	2.24	Bio shield	166,000.00
	Sanitation maintenance support programme	11.08	2.57	8.52	Tricycle support to Gandhar Village	256,500.00
	Toilet construction component	13.36	5.39	7.97	Installation of Ceramic Tiles - Toilet constructed under Harsh Prniect	205,600.00
					Toilet construction component	333,000.00
	Operations	13.60	8.36	5.24	Operations	835,573.00
	Documentation and reporting	4.51	1.96	2.55	Documentation and reporting	195,786.00
	Contingency expenses	5.00	.00	5.00	Contingency expenses	0.00
2	Support infrastructure development in Healthcare /Sanitation. Support in infrastructure gap filling in PHC, CHC, General Hospitals and Other Hospitals. Also support in Government Institutions. Support to the beneficiaries of lower socio-economic group.	25.00	10.16	14.84	Support to Vaterinary Hospital Vagra & -shanataben Atamaramdas patel charitable society	1,015,930.00
3	COVID-19 preventive and curative activities	350.00	290.54	59.46	Financial support to GCSRA for Oxygen plant	19,742,720.00

Sr.No.	Focus Area & Interventions 2021-22	Approved Budget / Action Plan 2021-22 (Rs. In lacs)	Utilisation 2021-22 (Rs. In lacs)	Balance Budget of Project	Name of project	Break up of Utilisation 2021-22
	COVID-19 preventive and supportive activities	230.00	200.51	49.49	Swachh Bharat Abhiyan Awareness program - Wall painting at Vagra	308,448.00
4	Akshay Patra Foundation	57.82	57.82	.00	Financial Support to Akshay Patra Foundation for Mid day meal distribution vehicles	5,782,000.00
5	Mandwa Wadi project	16.00	8.71	7.29	Wadi Project -2020-21	870,943.00
6	Construction of Drainage line at Ranoli	55.00	.00	55.00	Construction of Drainage line at Ranoli	0.00
7	Other Nutrition related projects	100.00	14.25	85.75	Financial Support to Jeevanirth for Nutrition garden development	904,942.00
					Nutrition Kit For TB Patients	484,645.00
					Field Travel	35,509.00
	<b>Sub Total C:</b>	<b>555.27</b>	<b>311.38</b>	<b>243.89</b>		<b>31,137,596.00</b>
<b>D</b>	<b>Sustainable Livelihood &amp; Skill Development</b>					
1	Livelihood and Skill Development in Various Sectors	100.00	60.80	39.20	Skill Development projects for Urban/ Rural including Agariya community support	6,080,000.00
	<b>Sub Total D:</b>	<b>100.00</b>	<b>60.80</b>	<b>39.20</b>		<b>6,080,000.00</b>
<b>E</b>	<b>Promotion of Art, Culture and Heritage</b>					
1	Vadodara by Foot	5.00	.98	4.02	Development of Picture Gallery at Central Library	97,945.00
	<b>Sub Total E:</b>	<b>5.00</b>	<b>.98</b>	<b>4.02</b>		<b>97,945.00</b>
<b>F</b>	<b>Water Conservation and Environment</b>					
1	Pond Deepening and any other water conservation/ rain water harvesting/ Green School/ environment related activities.	20.00	19.26	.74	Pond deepening at Shriportimbi and Navi Jambuvi in vadodara District and Dahej	925,960.00
					Operation & Maintainance of Matariya Lake	1,000,000.00
2	Installation of Bottle crusher machine, Murals and vertical garden at Kevadiya railway station	5.00	.00	5.00	Installation of Bottle crusher machine, Murals and vertical garden at Kevadiya railway station	0.00
3	Rain Water Harvesting and Drinking Water Projects at various locations	115.00	.00	115.00	Rain Water Harvesting and Drinking Water Projects at various locations	0.00
4	Tree Plantation	7.00	4.00	3.00	Tree Plantation- VSSM	176,000.00
					Tree Plantation- Rahiyad	205,200.00
					Field Visits	18,666.00
	<b>Sub Total F:</b>	<b>147.00</b>	<b>23.26</b>	<b>123.74</b>		<b>2,325,826.00</b>
<b>G</b>	<b>Other CSR activities</b>					
1	Other Human Development Index projects	41.48	.00	41.48	Other Human Development Index projects	0.00
2	Construction of Police Station	25.00	.00	25.00	Construction of Police Station	0.00
	<b>Sub Total G:</b>	<b>66.48</b>	<b>.00</b>	<b>66.48</b>		<b>0.00</b>
<b>H</b>	<b>Various other projects</b>					
					Financial Support for development od Resource room at BRC Bhavan, Varahi	199,303.00
					Membership Fees- Community Science Center	20,000.00
					Support for Higher Education- Parsottam Chhanura	54,000.00
					Financial Support to Tapovan Foundation for Vatsalyadham - Old age home	1,000,000.00

Sr.No.	Focus Area & Interventions 2021-22	Approved Budget / Action Plan 2021-22 (Rs. In lacs)	Utilisation 2021-22 (Rs. In lacs)	Balance Budget of Project	Name of project	Break up of Utilisation 2021-22
1	Various other projects	30.00	23.38	6.62	Financial Assistance of Fencing work at Police Station	128,635.00
					Financial Assistance for Software to Polica Station	80,000.00
					Development of Greenry near Golden bridge	500,000.00
					Installation of Bio Gas Plant (10Nos)	270,000.00
					financial support for 6 nos fans at police stion	10,195.00
					Finacial assist for Musuical concert Support	30,000.00
					GES Annual reports	46,200.00
	<b>Sub Total I:</b>	<b>30.00</b>	<b>23.38</b>	<b>6.62</b>		<b>2,338,333.00</b>
I	Manpower Cost	20.00	13.35	6.65		1,335,401.00
J	Office Expenses	13.00	9.99	3.01		999,071.00
	<b>Total</b>	<b>1160.91</b>	<b>556.29</b>	<b>604.62</b>		<b>55,628,691.00</b>



