



Gujarat Alkalies and Chemicals Limited

(Promoted by Govt. of Gujarat)

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GACL/S&E/D-16/19

Dtd. 18.11.2019

Member Secretary,
State Level Environment Impact Assessment Authority
Gujarat Pollution Control Board
Paryavaran Bhavan,
Sector -10 A,
Gandhinagar - 382 010.

Regd. A.D.


Sub: Half yearly Compliance Report under specific condition of Environment Clearance

Ref: EC no. SEIAA/GUJ/EC/5(f)/10/2008 dated 25.02.08 granted by SEIAA.

With the above reference on the subject cited, we are submitting half yearly compliance report with respect to stipulated prior EC terms and conditions. softcopy is available in our website gacl.com/safety_env.php?nv=45_1.

Thanking you,

For Gujarat Alkalies and Chemicals Ltd.,


(D.R. Bhatt)
Add. General Manager (S & E, Fire & Security)

Compliance of Specific Conditions of Environment Clearance for expansion of Chloromethanes plant granted by SEIAA dtd. 25.02.08

A - Specific Conditions

A.-1 WATER

Sr. No.	Specific Conditions	Status
1.	No ground water shall be used for the project. Water requirement shall be met from the existing source.	Water requirement is met from existing source only.
2.	Generated industrial effluent shall be treated in the existing effluent treatment plant and disposed off in Gulf of Khambhat through the Effluent Channel Project (ECP).	Treated effluent is discharged to VECL (Earlier ECPL).
3.	Unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.	Complied. Records are maintained.

A-2 AIR

Sr. No.	Specific Conditions	Status
4.	High efficiency scrubbers shall be provided for scrubbing HCL, Chlorine.	Complied
5.	Natural Gas shall be used as fuel in the boilers as well as incinerator. Adequate stack height as per norms shall be provided.	Complied
6.	The gaseous emissions and particulate matter from various process units shall conform to the standards prescribed by GPCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failures of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the prescribed standards.	Complied. Gaseous emissions meet GPCB norms.
7.	Gaseous emission at workplace shall be controlled and kept below the limits prescribed by the Factories Act and Rules. Their record shall be maintained.	Complied. Records are maintained.

8.	The ambient air quality shall be monitored in and around the project area, and the location of ambient air quality monitoring stations shall be reviewed in consultation with the GPCB and additional stations shall be installed, if required in the downwind directions as well as at places where maximum ground level concentrations are anticipated.	Complied. Ambient air quality is monitored on regular basis
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A-3 SOLID WASTE

Sr. No.	Specific Conditions	Status
9.	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Complied. We have obtained consent order no AWH-101053 valid till 31.12.2023.

A-4 SAFETY

Sr. No.	Specific Conditions	Status
10.	Storage and use of toxic chemicals shall be minimized to the extent possible.	Complied
11.	All venting equipment shall have vapour recovery system. All the pumps and other equipments where there is a likelihood of leakages shall be provided with Leak Detections and Repair (LDAR) system. Provisions for immediate isolation of such equipment in case of a leakage shall also be made. The detector sensitivity shall be in ppm levels.	Complied
12.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Close handling system for chemicals shall be provided. Double mechanical seals shall be provided for pumps / agitators for reactors for reduction of fugitive emissions and leakages. Solvent traps shall be installed, wherever necessary.	Complied
13.	During material transfer, spillages shall be avoided and garland drain shall be constructed to avoid mixing of accidental spillages with domestic waste and storm water drain.	The accidental spillages are directed to main ETP and treated along with plant effluent.

14.	Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.	Complied
15.	Training shall be given to all workers on safety and health aspects of handling chemicals.	Complied
16.	Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.	Complied
17.	The project management shall strictly comply with the provisions made in Manufacture Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals from the Govt. Authorities shall be obtained before commissioning of the project, if applicable. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules. Hazardous materials storage shall be at an isolated designated location, bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals. All transporting routes within the factory premise shall have paved roads to minimize splashes and spillages.	Complied
18.	The project management shall prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health.	Complied. Emergency Response Plan is documented.

A-5 HEALTH

Sr. No.	Specific Conditions	Status
19.	Periodical Medical checking in the industrial units shall be done through reputed Medical Institutes / Civil Hospitals / ESIS / NIOH or Institutes designated by NIOH. The periodicity of such medical check up must be decided in Consultation with GPCB.	Complied. Medical check up is carried out once every six months.

A-6 NOISE

Sr. No.	Specific Conditions	Status
20.	The overall noise level in and around the plant area shall be well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.	Complied. Ambient noise level meets the prescribed standards.

A-7 WASTE MINIMIZATION

Sr. No.	Specific Conditions	Status
21.	The Company shall undertake following waste minimization measures : a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw material or raw materials substitutes in other processes. 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 equipment cleaning to reduce wastewater generation.	Complied

A-8 GREEN BELT

Sr. No.	Specific Conditions	Status
22.	Company shall develop green belt within premises as per the prevailing guidelines of the CPCB. However if sufficient land is not available within the premises, unit shall tie up with local agencies like gram panchayat, schools, social forestry offices etc. for carrying out plantation at available open land in nearby area and submit an action plan for plantation for the next three years to GPCB.	Complied.

B OTHER CONDITIONS

Sr. No.	Specific Conditions	Status
23.	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied
24.	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environment Protection (CREP) for Chlor Alkali plants.	Complied
25.	The company shall undertake eco-developmental measures including community welfare program most useful in the project area for the overall improvement of the environment. The eco-development plant shall be submitted to GPCB within three months of receipt of this letter.	Complied
26.	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.	Complied
27.	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same shall be used for the various activities of the projects to conserve fresh water.	Company has developed recharge bore well at its own landfill site. The recharged water is used for watering the plants.
28.	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.	Complied
29.	A separate Environment Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.	Complied
30.	No further expansion or modification in the plant shall be carried out without prior approval of the MoEF / SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF / SEIAA / SEAC for clearance, a fresh reference shall be made to the SEIAA / SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted. Complied

31.	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.	Complied
32.	The project proponent 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 GPCB and may also be seen at the Website of SEIAA / SEAC / GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied
33.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1 st June and 1 st December of each calendar year.	Complied
34.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied
35.	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.	Complied
36.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	--
37.	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. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, The Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.	--
38.	This environmental clearance is valid for five years from the date of issue.	--