

# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** IA/TN/IND/21639/1910

**1. Name of the Entity / Corporate Office :**

**2. Proponent Details :**

**3. Compliance Letter/Report (Proponent):**


**4. Summary Status of Compliance :**

<b>Total Condition :</b>	17		
<b>Complied :</b>	8	<b>Being Complied :</b>	9
<b>Not Complied :</b>	0	<b>Partially Complied :</b>	0
<b>Agreed to Comply :</b>	0		

**5. Details of Production and Project Area : 6. Specific Conditions (Proponent) :**

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The gaseous and SPM emission(s) from various units should confirm to the standards prescribed by the State Pollution Control Board from time to time. At no time, the emissions should go beyond the prescribed limits. In the event of failure of any pollution control system adopted by	Being Complied	APCD are in good working condition and emissions is within prescribed limits. if any emission deviation, the unit is stopped and restarted only after	N/A	

	the units, the respective unit(s) must be put out of operation immediately and shall not be restarted until the control systems are rectified to achieve the desired efficiency.		rectification to meet the desired efficiency.		
2	The hazardous waste including residual solvent, heavy ends, spent catalyst, Mercury bearing sludge, VCM high boils, etc. must be handled as per Hazardous and other Waste (Management and Handling) Rules, 1989 and necessary approval from SPCB must be obtained.	Complied	The hazardous wastes are handled as per Hazardous Waste and other (Management and Handling) Rules 2016. For both the Plants the Authorization for handling hazardous waste has been obtained from SPCB.	N/A	
3	The company must expedite the R&D efforts to extract mercury the brine sludge (Av 1450 mg/kg) to the least possible (preferably 40-100 ppm)	Complied	Caustic Soda manufacturing plant graduated from the mercury cell technology to the membrane cell process in Aug 2007. From March 2019, Brine sludge is being disposed to Common TSDF at Virudhunagar.	N/A	
4	Any further expansion of the plant can be taken up only with prior approval of this Ministry.	Complied	Any further expansion will be taken up only after getting prior approval of this Ministry. The permitted rate of production of PVC: 66000 MT/annum, Chloromethane (C1 to C4): 33580 MT/annum as per SPC	N/A	
5	Adequate Noise control measures shall be taken up so as to keep noise levels below 85 dB (A) in the work environment. The ambient noise level must not exceed the standards stipulated under EPA/State authorities.	Being Complied	Adequate Noise Control Measures have been implemented in the work area so that the Ambient Noise Level never exceeds the standard as prescribed by the Tamil Nadu Pollution Control Board.	N/A	
6	The project authorities must set up Environmental Cell with adequate facilities for collection and analysis of samples, monitoring of environmental quality parameters, and to carry out time bound	Complied	Environmental cell is established with all required facilities to carry out analysis of environmental quality	N/A	

	action plans related to environmental management and pollution control.		parameters on regular basis.ISO14001 system certified for both the units by TUV India.		
7	State of the art incinerator with waste heat recovery and scrubbing facility must be installed for incinerating Hiboiling liquids (VCM high boils) before expansion projects are commissioned.	Complied	State of art Incinerator with waste heat recovery and scrubbing facility was commissioned in 1998 for incinerating VCM high boils and is being validated from time to time.	N/A	
8	Handling, manufacturing, storage and transportation of hazardous chemicals must be in accordance with the Manufacture, storage and import of Hazardous Chemicals Rules, 1989 as amended in October 1994. Necessary approvals from Chief Inspectorate of Factories/ Chief Controller of Explosives must be obtained as per regulations.	Being Complied	Haz.chemicals are handled as per the guidelines of Hazardous Chemicals Rules 1989 as amended. Approvals from Factory Inspectorate/Chief Controller of Explosives are in place and periodically renewed.	N/A	
9	Monitoring of ambient air quality and stack emissions shall be periodically carried out in consultations with SPCB and report submitted to the Board quarterly and to the Ministry (Regional Office at Bangalore) half-yearly.	Being Complied	Monthly monitoring of AAQ & stack emissions done through 3rd party and report submitted to TNPCB on monthly basis. A consolidated report is submitted to MoEF (Regional Office) bi-annually.		
10	The project authority must strictly comply with the stipulations made by the State Government and State Pollution Control Board in the NOC granted to the Chloromethanes and PVC project expansion.	Complied	We are strictly complying with the stipulations made by the State Government and State Pollution Control Board in the NOC granted to the Chloromethanes and PVC project expansion.	N/A	
11	A green belt development plan taking into account the expanded activities, common waste disposal sites and other land uses must be made which should ensure coverage of minimum 30 % of the total land area	Complied	Extensive green belt development is carried out on a continuous basis. PVC Plant:18180 trees covering in 10 Hectares area. (38%) Chloralkali Plant: 17030 trees covering in 16.8 Hectares area (40%)	N/A	

12	The effluent generation from the Chloromethanes and PVC plants must be maintained at the present level even after expansion and steps must be continued to further reduce the same. At any case, the quantity of effluent shall not exceed 30 m <sup>3</sup> /hr for PVC plant and 9.30m <sup>3</sup> /hr chloromethane section. The effluents must be treated to meet the prescribed norms under EPA/State Pollution Control Board before discharging outside the premises. Effluent quality must be monitored to SPCB every quarter and Min	Being Complied	The effluent generated at PVC & Chloromethane plant is 16.05 m <sup>3</sup> /hr & 3.04 m <sup>3</sup> /hour respectively. Through ZLD they are recycled back to the process. Effluent quality is checked by SPCB on monthly basis.	N/A	
13	The company must adopt water conservation measures in the plant including maximum recycling to maintain the raw water requirement at the present level even after the above-proposed expansion	Being Complied	Various Control measures have been taken for conservation of water. ZLD plant is operational at Plant-II. Quantity of Water reprocessed (Apr'22 to Sep'22) Plant-II:81567 KL Plant-III:49399 KL	N/A	
14	The funds earmarked for the environmental protection measures shall not be diverted for other purposes and year wise expenditure reported to this Ministry for proper monitoring of the project implementation	Being Complied	The funds earmarked for environmental protection measures had been utilized to improve the environmental aspects & year wise expenditure reported to the Ministry for proper monitoring of the project.	N/A	
15	Six-monthly progress reports on the implementation status of environmental conditions mentioned above must be submitted to Ministry/CPCB and the State Pollution Control Board regularly. The project will be monitored inter-alia by Ministry's Regional Office at Bangalore.	Being Complied	The Environmental improvement report is being submitted on a monthly basis to SPCB. Bi-annual compliance report is being submitted to MoEF&CC, Southeastern Zone as a progress report.	N/A	
16	The landfill sites for hazardous waste disposal must be properly reclaimed with a time bound action plan. Ground water monitoring should be done regularly at a few selected sites within the factory estate and premises and data submitted to State Board and Ministry. The new landfill sites must be concrete impervious lining to prevent possible ground water leaching.	Being Complied	From the year 2020 all the hazardous waste is being disposed to common TSDF at Virudhunagar and operation of onsite SLF is stopped. Piezometric Bore wells have been	N/A	

			regularly monitored by TNPCCB.		
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### 7. General Conditions (Proponent)\_:

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	There is no general conditions	Complied	There is no general conditions	N/A	

**\*\*Note : N/A - Not Available**

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