



By Speed Post

CP-11/13/2021-IPC-III-HO-CPCB-HQ

June 20 2024

To,

M/s. Tiruttani Co-operative Sugar Mills Ltd.,  
Tiruvalangadu – 631210, Tiruttani Taluk,  
Thiruvallur District, Tamil Nadu

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986**

**WHEREAS**, Sugar industries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

**WHEREAS**, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed there under; and

**WHEREAS**, it is obligatory on the part of industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) Act, 1986 and the Rules framed there under and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

**WHEREAS**, for strengthening the monitoring and compliance through self-regulatory mechanism, a direction under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. Particulate Matter parameter & online effluent monitoring system w.r.t. pH, BOD, COD, TSS, Flow parameters in 17 categories of industries including Sugar; and

**WHEREAS**, the inspection of the M/s. Tiruttani Co-operative Sugar Mills Ltd., Tiruvalangadu, Tiruttani Taluk, Thiruvallur District (hereafter referred as 'The Unit') was carried out on 23.01.2024 & 24.01.2024 by the team of CPCB to verify the compliance status under "Environmental Surveillance of 17 category of high pollution potential industries and common facilities, based on OCEMS alert programme". Following major observations were made during the visit:

1. The Unit was found operational. The Unit stopped its operation on 13.01.2024 for Pongal holidays and resumed its operation on 22.01.2024.

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in Pg 1

2. The Unit has obtained Consent under Water & Air Act for manufacture of Sugar – 6000 TPM and the same is valid upto 31.03.2025.
3. The Unit has not obtained Authorization under Hazardous and other Waste Rules, 2016.
4. The ETP was found operational, on the day of inspection. Samples was collected at the inlet & outlet of the ETP and MLSS sample from aeration tank and analysed by TNPCB, Ambattur laboratory. The ETP outlet sample showed pH-6.59 , BOD-12 mg/l, COD- 128 mg/l, TSS-56 mg/l, TDS- 1486 mg/l, Chloride-113 mg/l , Sulphate-22 mg/l. The MLSS in the aeration tank was 92 mg/l.
5. The source emission monitoring was conducted by the team and the lab results shows that, the values of PM, SO<sub>2</sub> and NO<sub>x</sub> are within the prescribed limits.
6. The Unit has installed one rain harvesting pond adjacent to the ETP within the premises. However, the sample collected from the pond indicates that the untreated effluent is mixed into the pond. The analysis results of the samples collected from the pond shows BOD - 184 mg/l, COD - 656 mg/l, TSS-392 mg/l and TDS-1486 mg/l.
7. The Unit has not installed display board at the entrance gate.
8. The Unit has not obtained NOC from groundwater Department for withdrawal of groundwater.
9. The Unit is required to provide a stack of suitable height to the DG set of 320 KVA.
10. The Unit has not prepared the Irrigation Management Plan (IMP) for the effective use of treated effluent for irrigation.
11. The Unit has not provided 15 days' storage capacity tank to store the treated effluent during low demand period.
12. The Unit failed to maintain the OCEMS installed at Boiler stack for continuous monitoring of the emissions from the boiler.
13. The Unit has not installed STP and violating the consent condition.

**WHEREAS**, it is evident from the above observations that the Unit is non-complying w.r.t. mixing of the untreated effluent in the pond meant for rain water harvesting which poses possibility of contamination of groundwater; non stabilization of aeration tank (MLSS=92 mg/l); no HW Authorization from SPCB; no STP installed; and

**WHEREAS**, the Ministry of Environment Forest & Climate Change, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act,1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules,1986; and

**NOW therefore**, in view of the above, and exercising the powers delegated to the Chairman, Central Pollution Control Board (CPCB) under section 5 of the Environment (Protection) Act, 1986, **notice is served herewith to show cause why M/s. Tiruttani Co-operative Sugar Mills Ltd.** Tiruvalangadu, Tiruttani Taluk, District Thiruvallur, Tamil Nadu **should not be closed down** for observed non-compliance till it complied with the following:

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**Dir. u/s 5 of E (P) Act, 1986 to M/s. Tiruttani Co-operative Sugar Mills Ltd, Tamil Nadu**

1. The Unit shall obtain Authorization under Hazardous and other Waste Rules.
2. The Unit shall install sewage treatment plant (STP) as per the consent condition of Tamil Nadu SPCB.
3. The Unit shall stabilize its aeration tank and maintain the concentration of MLSS and MLVSS at designed concentration.
4. The Unit shall apply and obtain the NOC from the concerned department for the abstraction of groundwater.
5. The Unit shall prepare comprehensive irrigation management plan (IMP) by engaging an Agricultural Scientist /Agricultural University/Institute as per the CPCB guidelines titled "Guideline for Utilization of treated effluent in irrigation" and submit the same to SPCB which shall verify the same while issuing Consent to the Unit.
6. The Unit shall provide the stack height of minimum 3.6 meter more than the height of building (where DG set installed) to the DG set of 320 KVA.
7. The Unit shall provide 15 days' capacity impervious storage tank to store the treated effluent during low demand period.
8. The Unit shall monitor the groundwater water quality in the land areas where treated effluent being utilized and furnish the consolidated report to TNPCB as per the consent condition.
9. The Unit shall properly maintain the analyzer and shall ensure periodic calibration of the OCEMS analyzer and submit the calibration result to CPCB.
10. The Unit shall treat the contaminated water stored in Rain Water Harvesting pond in a time bound manner maintaining necessary records thereto and ensure that no untreated/treated effluent is discharged in the pond meant for Rain Water Harvesting.

The Unit is hereby given an opportunity to file your objections (if any), duly notarized, to the above proposed directions within 30 days of receipt of this notice, failing which it will be presumed that you have nothing to say and appropriate action will be taken, in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further notice.

15/2/24  
(TANMAY KUMAR)  
CHAIRMAN

**Copy to:**

1. **The Member Secretary,**  
Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy, Chennai-600 032.  
Tamil Nadu

: For ensuring compliance of  
directions please.

2. **The Regional Director,**  
Regional Directorate  
Central Pollution Control Board,  
Second Floor, No.77-A,  
South Avenue Road,  
Ambattur Industrial Estate,  
Ambattur Taluk, Thiruvallur District,  
Chennai, Tamil Nadu - 600 058 : For follow up and ensuring  
compliance of the direction.
3. **The Director, (CP Division),**  
Ministry of Environment, Forests & CC,  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi - 110 003 : For information, pl.
4. ✓ The Div. Head, IT Division, CPCB Delhi : To upload direction at CPCB  
Website, pl.
5. The Div. Head, IPC-VI, Division, CPCB Delhi : For information, pl.

  
(BHARAT KUMAR SHARMA)  
MEMBER SECRETARY