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CPCB/IPC-VII/CETP-Sirupooluvapatti/ 8362

Dec. 27, 2023

To

M/s Sirupooluvapatti Common Effluent Treatment Plant Pvt Ltd.
S.F. No. 622/2, 623, Thondi Thottam,
Sirupooluvapatti (PO),
Tiruppur – 641603 (Tamil Nadu)

Sub: Show-cause Notice under Section-5 of the Environment (Protection) Act, 1986.

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries, Common Effluent Treatment Plants (CETPs) and Sewage Treatment Plants (STPs) 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 thereunder and also to meet the consent conditions granted by State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs); and

WHEREAS, there is a need to inculcate the habit of self-monitoring within the CETPs for complying with the prescribed standards and this can be achieved by installing Online Continuous Effluent Monitoring System (OCEMS); and

WHEREAS, CETP-Sirupooluvapatti (5000 KLD design capacity), operated by M/s Sirupooluvapatti Common Effluent Treatment Plant Pvt Ltd., S.F. No. 622/2, 623, Thondi Thottam, Sirupooluvapatti (PO), Tiruppur – 641603 (herein after referred as CETP) was inspected by CPCB officials on 16.06.2023 and following observations were made:

- The CETP has a treatment capacity of 5000 KLD. It has 19 member units and presently receives effluent around 2500-3000 KLD, on an average basis. It has installed Zero Liquid Discharge system (ZLD).
- The over-all water balance, performed between the treatment units (between biological feed, permeate & condensate generated, brine to member), indicates that 19% (77824 m³) of effluent is unaccounted, during five-month period as per the table given below.

Effluent quantity in m ³				
Month	Biological Feed (influent) (A)	Brine to member (F)	Permeate + Condensate generated (G)	Total quantity Difference Observed (gap) (A-F-G)
Feb	84029.005	2301.493	65712.986	16014.526
March	86761.227	1952.476	68792.306	16016.445
April	89149.128	2457.115	69195.79	17496.223
May	88360.862	2387.134	69206.401	16767.327
June (till 20th)	56685.978	1296.379	43859.941	11529.658
Total	404986.2	10394.597	316767.424	77824.179

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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

- iii. The salt generation as per the industry record is 97.5 Tons (during Feb to June, 2023), which is less than the calculated mass balance of salt fed into the system. The month wise difference is shown in the below Table.

Month	Quantity of effluent sent to ATFD (KL)	Salt Generation as per CETP record (Tons)	Estimated salt generation as per calculation (Tons)
Feb	110.308	13.2	44.1232
March	242.242	28.7	96.8968
April	154.518	18.6	61.8072
May	212.709	25.5	85.0836
June (till 20th)	55.201	11.5	22.0804
Total	774.978	97.5	309.9912

- iv. The flow meter of ETP outlet does not work for 5–7 hours almost every day, whereas other flow meters of RO, MEE were found working as per the operational hours.
- v. The flow meters were calibrated a year ago, but there are no records of calibration.
- vi. The unit has provided two cameras, one camera is focused towards the equalization tank and another in the RO plant. The camera connectivity is not observed in the server.
- vii. During inspection leakages were observed in the RO system.
- viii. Covered storage shed is provided for chemical sludge and bio sludge. During inspection, open drying of bio sludge was observed.
- ix. MEE and ATFD were not in operation during the inspection.

WHEREAS, the Ministry of Environment & Forests, 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 directions 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 above and in exercise of the powers delegated to the Chairman, CPCB under Section-5 of the Environment (Protection) Act, 1986, the CETP, M/s **Sirupooluvapatti Common Effluent Treatment Plant Pvt Ltd.**, S.F. No. 622/2, 623, Thondi Thottam, Sirupooluvapatti (PO), Tiruppur – 641603, is hereby directed to Show Cause for non-compliance of the following directions:

- 1) To prevent the gaps of effluent quantity at inlet & outlet of ETP in order to ensure that no effluent is discharged outside the premises and the CETP achieves ZLD. The CETP shall provide mass balance details in this regards.
- 2) To carry out RO reject management and removal of mixed salt balance from ATFD in a satisfactory manner so as to ensure that RO reject is not discharged outside the premises. The CETP shall provide mass balance details in this regards.
- 3) To relocate the cameras installed at equalization tank & RO at appropriate locations, in consultation with TNPCB, in order to verify no discharge of effluent outside the premises and to provide the connectivity to CPCB server within a month time.
- 4) To ensure that ETP outlet flow meter is not stopped intermittently and be operated regularly.

- 5) To calibrate the flow meters regularly as per SOP and to maintain the proper records.
- 6) To prevent leakages in RO system.
- 7) To provide covered shed for drying of biological sludge.

M/s **Sirupooluvapatti Common Effluent Treatment Plant Pvt Ltd.**, is hereby given an opportunity to file objections (if any) to the above directions within 15 days from the receipt of this notice, failing which the necessary actions as deemed fit under the provisions of Environment (Protection) Act, 1986, will be taken by CPCB against the Unit.

(TANMAY KUMAR)
CHAIRMAN

Copy to:

1. **The Additional Secretary (CP Division)** : for information, please.
Ministry of Environment, Forests & Climate
Change,
Prithvi Wing, 2nd Floor, Indira Paryavaran
Bhawan, Jor Bagh Road,
New Delhi-110003.
2. **The Member Secretary** : for necessary follow-up for
Tamil Nadu State Pollution Control Board compliance of directions,
76, Mount Salai, Guindy, please.
Chennai-600032 (Tamil Nadu)
3. **The Regional Director,** : for follow-up, please.
Central Pollution Control Board,
2nd Floor, 77-A South Avenue Road,
Ambattur Industrial Estate,
Ambattur Taluk, Thiruvallur
Chennai-600058 (Tamil Nadu)
4. **Divisional Head, IPC-VI** : for information, please.
CPCB, Delhi
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CPCB, Delhi website, please.



(Bharat Kumar Sharma)
Member Secretary

