



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

Speed Post

CP-30/29/2024-IPC-VII-HO-CPCB/CETP-M/s Jeedimetla

Date: 04.02.2025

To

The Member Secretary
Telangana Pollution Control Board
Paryavarana Bhavan, A-3, Industrial Estate
Sanathnagar, Hyderabad-500 018

Subject: Directions under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974, regarding non-compliance status of CETP- M/s Jeedimetla Effluent Treatment Limited, Jeedimetla Hyderabad.

WHEREAS, amongst others, under Section 17 of the Water (Prevention & Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB), (or Pollution Control Committee for Union Territories) is to plan a comprehensive programme for prevention, control or abatement of pollution of streams, wells and air pollution in the State/Union territory and to secure the execution; therefore, and

WHEREAS, amongst others, under Section 16 of the Water (Prevention & Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board (CPCB), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards/Pollution Control Committees and to provide technical assistance and guidance to SPCBs/PCCs; and

WHEREAS, amongst others, under Section 16 of the Water (Prevention & Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board (CPCB), is to promote cleanliness of streams and wells in different areas of the State; and

WHEREAS, the Central Government has notified the standards for discharge/emissions 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, 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

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WHEREAS, CETP- M/s Jeedimetla Effluent Treatment Limited Plot No.267, Phase-I, IDA, Jeedimetla Hyderabad - 500 055, Telangana (herein after referred as CETP) was inspected by the team of CPCB, RD Chennai on 25.11.2024 and the following major observations were made:

- I. The CETP has obtained Consent to Operate (CTO) for collection, conveyance, treatment and disposal of total quantity 3538 KLD for Low TDS (LTDS) effluent (Industrial Effluent, MEE condensate, Sewage, Boiler blowdown etc.) and 460 KLD for High TDS (HTDS) effluent from TGPCB which is valid up to 31.12.2026. The CETP has also obtained authorization under the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016 which is also valid up to 31.12.2026.
- II. The CETP has a design capacity of 5000 KLD for LTDS and 500 KLD for HTDS for the treatment of effluent generated from 400 mixed type of industries encompassing pharmaceutical, chemical manufacturing units, food processing units, etc. As reported, the average quantity of effluent received by the CETP is 1000 KLD of LTDS and 300 KLD of HTDS wastewater.
- III. During the inspection, the CETP was found operational except Agitated Thin Film Dryer (ATFD) and Multi-Effect Evaporator (MEE).
- III. CETP is receiving segregated effluents (HTDS <DS) from member units through tankers equipped with TGPCB's online manifest and GPS tracking system. CETP receives effluents complied with inlet standards of TGPCB prescribed in CTO.
- IV. The HTDS treatment system comprises of an Equalization tank, Flash Mixer, Clariflocculator, filter press, stripper, MEE and ATFD and the LTDS treatment system comprises of aeration tank, Clarifier. The condensate from the clarifier is redirected to the LTDS treatment system.
- V. The LTDS system includes an Equalization Tank, Flash Mixer, Clariflocculator, Sludge Sump, Buffer Storage Tank, Sewage Storage Tank, Distribution Chamber, Aeration Tank, Final Clarifiers (I & II), Sludge Thickener, Screw Press, and Lamella Clarifier. Approximately 2000 to 2300 KLD raw sewage is used for dilution. Treated wastewater is disposed to STP at Amberpet through sewer line as prescribed in the CTO.
- V. The MEE and ATFD were not operational during the inspection due to an insufficient volume of effluent in the CETP. The facility has installed two MEEs with capacities of 300 KLD and 200 KLD. It was stated that continuous operation of the MEE is feasible when there is an adequate quantity of effluent.

- VIII. The treated effluent before discharge is partially taken to RO for water recovery. As reported the installed capacity of RO is 600 KLD, whereas, the CETP informed that approximately 150 KLD is taken to two stage RO system. RO permeate is reused in boilers and also sent to member units and reject is again sent to HTDS effluent treatment system. The quantity of effluent treated in RO couldn't be verified since there is no electromagnetic flow meter installed.
- IX. The CETP (Industry ID of 20TS168) shows offline which was created in 2016 and was found active till 01st May 2017. The CETP has changed to new Technology provider for Data System (TPDS) (Industry ID of 20TS085) since 23rd March 2017 and data connectivity was observed. Presently, new TPDS is in operation and old TPDS (ID 20TS168) not in operation, which is to be removed from RTDMS Portal.
- X. CETP has installed flowmeters at outlet of equalization tank, inlet of clariflocculator, inlet of sewage, MEE feed, MEE Condensate, ATFD feed and discharge outlet to sewer. Only one flow meter at treated effluent discharge outlet to HMWSSB sewer is connected with CPCB and TGPCB server.
- X. CETP has installed online effluent monitoring system for the parameters TSS, pH, BOD and COD at treated effluent discharge outlet and connected to CPCB & TSPCB server.
- XI. The flow meter & online analyzer at the outlet of treated effluent discharge found working during inspection. However, in the RTDMS portal, the data connectivity for TSS, pH, COD, BOD, flow rate and PM found disconnected during the period from 7th June to 12th June 2024, 30th June to 3rd July 2024 and 6th September to 23rd September, 2024.
- XII. On verification of emission data from OCEMS, it was found that PM data (attached to 10 TPH boiler stack) connected to CPCB server seems to be faulty. During the period, 18th to 25th November, 2024 the boiler was not in operation. Whereas, a gradual rise and sudden drop of PM concentration was observed. Moreover, it is observed that trend is very much similar during operation and non-operation period.
- XIII. The OCEMS installed in the two coal based boiler for PM. However, OCEMS for NOx and SO₂ monitoring is not provided by the CETP.
- XIV. Water sprinkling is carried out for control of fugitive in coal storage area, whereas no proper arrangement provided for the seepage water collection and reuse. During inspection spillage of water is observed in the storm water drain.

- XIII. During inspection, effluent samples were collected at different stages of CETP and analyzed at TGPCB laboratory, Medchal- RO, Hyderabad. The analysis results reveals that the CETP meets prescribed inlet standard and outlet discharge standard in the CTO.
- XIV. The CETP has obtained hazardous waste authorization for reception, treatment, transport and disposal of hazardous wastes such as ETP sludge, Stripper distillate, MEE & ATFD salt and waste oil.
- XV. The CETP handles ETP sludge through a sludge sump and screw press. The CETP dispose sludge to TSDF or cement processing facilities, while MEE and ATFD salts are disposed at the TSDF. The CETP is selling stripper distillate to cement processing facilities.
- XVI. The housekeeping in the sludge handling area was found inadequate, with sludge managed in open spaces, odors observed during inspection.


AND, NOW, THEREFORE, in exercise of powers conferred under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, Telangana Pollution Control Board (TGPCB) is hereby directed to take appropriate action against the reported observations and to ensure compliance of the following from the CETP:

- a. CETP shall submit request to CPCB as per the prescribed format to disconnect the old TPDS.
- b. CETP shall ensure continuous data connectivity to CPCB server.
- b. CETP shall ensure that the PM dust monitor in 10 TPH boiler stack is working and shall be calibrated as per calibration protocol of the instrument to record the actual data.
- c. CETP shall provide OCEMS for monitoring of parameters NO_x and SO₂ in both the boiler stacks.
- d. CETP shall install online TDS meter at the outlet to verify the compliance of treated effluent with the discharge standard.
- e. CETP shall provide proper storage facility for the sludge removed from screw press and take necessary steps to control odour.
- f. CETP shall provide proper collection system to collect seepage water from coal handling area and same shall be reused.
- g. CETP shall utilise the RO at maximum installed capacity for recovery of RO permeate which may be reused by CETP and member units.

The action taken by TGPCB be intimated to CPCB within 15 days of receipt of these directions.


(Bharat Kumar Sharma)
Member Secretary

Copy to:

1. **The Chairman** : for information, please.
Telangana Pollution Control Board
Paryavaran Bhavan
A-3, Industrial Estate, Sanath Nagar,
Hyderabad – 500 018
(Telangana)
2. **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-110 003.
3. **The Regional Director (Chennai)** : for follow-up, please.
Central Pollution Control Board,
2nd Floor, 40-E, BSNL Building
TVK Industrial Estate, CIPET Road,
Guindy, Chennai – 600032.
4. **Divisional Head, WQM-I,** : for information, please.
CPCB, Delhi
5. **Divisional Head, IPC-VI,** : for information, please.
CPCB, Delhi
6.  **Divisional Head, IT** : for uploading on CPCB
CPCB, Delhi website, please.


(Bharat Kumar Sharma)