



Speed Post

CP-30/28/2024-IPC-VII-M/s CETP Foundation Pali (Unit II & Unit VI) / 5251

Date: 01.10.2024

To

~~The Member Secretary~~

~~Rajasthan State Pollution Control Board~~

~~A-4 Institutional Area, Jhalane Dungri~~

~~Jaipur – 302004, Rajasthan~~

Subject: Directions under Section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974, regarding the non-compliance status of CETP- M/s CETP Foundation (Pali) Unit-II, Mandia Road Industrial Area Tehsil & Distt- Pali (Rajasthan) and M/s CETP Foundation (Pali) Unit-VI, Punayata Road Industrial Area.

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 the 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 CETP Foundation Unit-II, Mandia Road industrial Area and Unit-VI, Punayata Road Industrial Area, Tehsil & Distt- Pali, Rajasthan (herein after referred as CETP Unit-II and CETP Unit VI respectively) was inspected by team of CPCB, RD Bhopal on 30.06.2024. The CETP Unit II with designed capacity of 8.4 MLD is operated up to primary treatment only and final treatment is done at CETP Unit-VI having capacity 12.5 MLD.

The CETP Unit II was closed vide order dated 03.10.2016 as per the direction of Hon'ble NGT in OA No 32/2014 and again re-started vide order dated 26.05.2017 with the condition that at no stage the total effluent load of all the 3 CETPs that is II, III and IV which will feed into CETP no. VI (ZLD CETP) exceeds 12 MLD. The CETPs are operated on roaster basis. Hence, the team has visited CETP Unit II and Unit VI during the visit.

Major observation pertaining to CETP-Unit II

- I. The CETP Unit II has obtained Consent to Operate (CTO) by RSPCB which is valid up to 31.05.2027 for primary treatment of effluent & Hazardous Waste authorization is valid up to 30.11.2024.
- II. The CETP Unit II has a capacity of 8.4 MLD. Total 240 nos. of textile industries sending their effluent through closed conduit system for treatment to CETP Unit-II which consist of inlet chamber, grit chamber, primary clarifier, chemical dosing tank, aeration tank, sludge sump, secondary clarifier, and tube settler.
- III. During the visit, no treatment was going on at Unit-II and all tanks were being used as effluent holding tanks.
- IV. As per the consent to operate (CTO) "the flow meters shall be provided at the inlet and outlet of the CETP." However, the CETP Unit II has installed flowmeter at the outlet only and it was also not found connected with the CPCB server.
- V. During inspection, effluent samples were collected from outlet of the CETP Unit II and analyzed for various physico-chemical parameters given in CTO. The analysis results of the samples collected reveal that the concentration of pH: 9.38 (standard: 6.5-8.5) exceeds the discharge standards prescribed in the CTO. Other monitored parameters found within the prescribed standards. Effluent standards for COD and BOD is not prescribed in the CTO.
- VI. As per the CTO "online effluent quality monitoring system at all the CETPs will be kept operational and will be connected with the State Board and CPCB server for close monitoring of the effluent quality." However, no OCEMS was found installed at the CETP Unit II.

Major observation pertaining to CETP-Unit VI

- VII. CETP VI has a capacity of 12 MLD which is receiving effluent of CETP Unit-II, Unit III and Unit IV. In addition, CETP Unit VI receives effluent from the industries through tankers for treatment.


- VIII. The CETP Unit-VI comprises equalization tank, chemical dosing tank, primary clarifloculator, aeration tank, Sequential Batch Reactor (SBR), decanter. PSF& ACF and RO followed by MEE & pusher centrifuge to maintain ZLD. The RO permeate water transported through tankers and reutilized by the member industries.
- IX. The CETP Unit VI has obtained CTO by RSPCB which is valid up to 31.01.2028 & Hazardous Waste authorization is valid up to 30.06.2026. The hazardous waste authorization currently included only chemical sludge generated from the CETP wastewater treatment under category 35.3. MEE salt and used oil are not included in the authorization.
- X. CETP Unit VI has installed flow meter at both the inlet and outlet, along with PTZ camera to maintain the ZLD condition. However, they were not found connected with the CPCB server.
- XI. During inspection, effluent samples were collected from RO Permeate and analyzed for various physico-chemical parameters. Standards are not prescribed in CTO considering the CETP as ZLD.
- XII. Before upgradation to ZLD, Unit VI had installed OCEMS at the outlet of the CETP. Later Unit VI has upgraded and installed RO with MEE & pusher centrifuge, thereby maintaining ZLD. It was reported that Unit VI has removed all the sensors of OCEMS from the outlet and installed at the equalization tank (inlet). During the visit, the OCEMS was found operational and calibrated but not connected with the CPCB server.
- XIII. The CETP Unit II and Unit-VI has separate hazardous waste authorization. During the inspection, the sludge generated from the treatment of effluent from CETP Unit-II, CETP Unit VI, other member units of Pali industrial area, along with MEE salts from CETP Unit VI, was being stored in storage yard adjacent to CETP Unit VI for further disposal at the TSDF facility in Balotra. However, no such condition for collection of sludge from other member industry/facility were mentioned in the authorization of CETP Unit VI. Additionally, it was reported that the current sludge storage capacity at the sludge storage yard is inadequate, leading to poor housekeeping practices.
- XIV. The Internal roads of Unit-VI were found kutcha, which may lead to fugitive emission during vehicle movement.

AND, NOW, THEREFORE, in exercise of powers conferred under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, Rajasthan State Pollution Control Board (RSPCB) is hereby directed to take appropriate action including imposing environment compensation, against the reported observations and to ensure compliance of the following:

- a. The CETP Unit-II should be operated properly to meet the prescribed norms and condition as per the consent.
- b. To provide the OCEMS at the outlet of the CETP Unit II.
- c. To provide the flow meter at the inlet of CETP Unit II and to provide connectivity of both the inlet and outlet flow meters to CPCB server.
- d. To provide the connectivity of flow meter & PTZ camera to CPCB sever as the CETP Unit-VI is maintaining ZLD.
- e. To amend the HW authorization to include the categories for MEE salt and used oil for the CETP Unit-VI from RSPCB .
- f. To provide the adequate sludge storage capacity so as to improve the housekeeping at sludge storage yard.
- g. To provide internal approach roads in the CETP Unit VI to mitigate fugitive dust emissions.

Further, RSPCB is also directed to examine the current practice of collection of HW from CETP and other member industries at storage yard of CETP Unit VI and accordingly take appropriate action. Further norms for BOD, COD and other relevant parameters at the inlet and outlet of CETP Unit II be also prescribed.

The action taken by RSPCB 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.
Rajasthan State Pollution Control Board
A-4 Institutional Area, Jhalane Dungri
Jaipur – 302004.
(Rajasthan)
2. **The Additional Secretary (CP Division)** : for information, please.
Ministry of Environment, Forests &
Climate Change, Prithvi Wing, 2nd Floor,
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New Delhi-110 003.

3. **The Regional Director,** : for follow-up, please.
Central Pollution Control Board,
Parivesh Bhawan, Paryavaran Parisar E-5,
Arera Colony, Bhopal-462016 (Madhya
Pradesh)
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)

