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CPCB/IPC-VII/CETP-Ludhiana 7690

January 02, 2023

To

The Member Secretary
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala-147001 (Punjab)

Subject: Directions under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 regarding non-compliance status of CETP-15 MLD, Bahadurke Road, District Ludhiana, Punjab.

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) constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells located in the State and to secure the execution therefore; and

WHEREAS, amongst others, under Section 16 of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, 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 and 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 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

WHEREAS, CETP-15 MLD, Bahadurke Road, Ludhiana (herein after referred as CETP), was inspected by a team of officials from CPCB on 26/07/2022 and the following observations were made:

- i. The CETP receives pre-treated effluent from 36-member tannery units, through common underground pipeline.
- ii. The effluent received at the CETP was around 13 MLD, whereas the designed capacity of the CETP is 15 MLD.
- iii. The monitored values for the quality parameters at the outlet of CETP, namely, BOD: 185 mg/l (limit: 10 mg/l), COD: 547 mg/l (limit: 50 mg/l), TSS: 251 mg/l (limit: 20 mg/l), FDS: 3628 mg/l (limit: 2100 mg/l), Chloride: 1663 mg/l (limit: 1000 mg/l), Fluoride: 2.90 mg/l (limit: 2 mg/l), Sulphide: 11 mg/l (limit: 2 mg/l) and Phenol: 1.41 mg/l (limit: 1 mg/l), did not meet the prescribed treated effluent standards.
- iv. The oil & grease removal system was not installed properly.
- v. CETP sludge was kept in haphazard manner in open space which may lead to soil and ground water contamination.
- vi. Online Continuous Effluent Monitoring System (OCEMS) is installed at the inlet and outlet of CETP for measurement of pH, BOD, COD & TSS in the effluent. However, OCEMS at the inlet of CETP was found to be non-functional.
- vii. The MLSS & MLVSS as analysed in the C-Tech Reactor (SBR) were 4469 mg/l & 2359 mg/l, respectively.
- viii. The standards, for the quality parameters at inlet of CETP, have not been specified by the Punjab Pollution Control Board (PPCB).
- ix. As per Environmental Clearance (EC) conditions, the CETP was to be established as a ZLD system, instead, the CETP has been discharging treated effluent into Buddha Nallah.
- x. As per EC conditions, the CETP was proposed to be established with design capacity of 15 MLD along with biomass based captive co-generation power plant, however, the same is not yet installed.

AND NOW THEREFORE, in exercise of powers conferred under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, Punjab Pollution Control Board (PPCB) is hereby directed to take appropriate action to ensure compliance of the following:

1. To prescribe the inlet standards for CETP in light of MoEF&CC notification under E(P) Act Rules, 1986, dated 01/01/2016.
2. To take suitable action, as deemed fit, including levying of environmental compensation against non-complying CETP or member industries that do not have adequate treatment facilities to comply with the norms.
3. To ensure compliance of the following by the CETP:
 - a. To operate or augment the treatment system, appropriately, for discharging the treated effluent within the prescribed limits.
 - b. To augment the sludge drying beds/system for efficient sludge handling/sludge drying.
 - c. To make adequate arrangement to keep the hazardous waste/sludge in a designated & properly constructed storage area/shed.

- d. To make proper disposal of the hazardous waste/sludge to TSDf site on regular basis.
- e. To undertake regular calibration & maintenance of the OCeMS analysers as per standard operating procedures/recommendations of the suppliers, so as to ensure of generating continuous & reliable data.
- f. To comply with all the terms & conditions as per the Environmental Clearance (EC) issued by MoEF&CC.

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


Prashant Gargava
Member Secretary

Copy to:

1. **The Chairman** : for information, please.
Punjab Pollution Control Board,
Vatavaran Bhavan, Nabha Road,
Patiala-147001 (Punjab)
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,** : for follow-up, please.
Central Pollution Control Board,
BSNL Exchange, 2nd Floor, Sector 49-C,
Chandigarh-160 047 (Punjab)
4. **Divisional Head, WQM-I,** : for information, please.
CPCB, Delhi
- ✓ 5. **Divisional Head, IT,** : for uploading on CPCB
CPCB, Delhi website, please.


Member Secretary