CPCB/IPC-VII/CETP-Ankleshwar, Gujarat/ 9589 **Dated:**20.02.2025

To

The Member Secretary
Gujarat Pollution Control Board
Paryavan Bhavan, Sector 10- A
Gandhinagar – 382 043

Subject: Directions under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 regarding non-compliance status of M/s Enviro Technology Ltd. (CETP of ETL), Plot No. 2413-14, GIDC Estate, GIDC-393002, Ankleshwar, Bharuch, Gujarat.

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, M/s. Enviro Technology Ltd. (CETP of ETL), Plot No. 2413-14, GIDC Estate, GIDC-393002, Ankleshwar, Bharuch, Gujarat was inspected by CPCB officials on 27.11.2024 and the following major observations were made:

I. The CETP of capacity 3.5 MLD CETP (1.8 MLD industrial effluent + 1.7 MLD sewage) was found operational on the day of the visit. It was reported that 242 Industrial Units have obtained membership from CETP for the treatment of effluent. CETP receives effluent through tankers from its member units.

II. The Consolidated Consent & Authorization (CCA) is valid upto 17.03.2029.

III. The CETP has provided the display board at entrance gate with the relevant information (as per Hon'ble Supreme Court order in WP 657/1995).

IV. The CETP has installed OCEMS at the final outlet of the treated effluent for six parameters namely, pH, Flow, TSS, COD, BOD and TOC which is connected to the CPCB server.

V. During the visit, the OCEMS reading of pH was observed to be 7.60, TSS – 6.9 mg/l, COD – 811 mg/l, BOD – 40.5 mg/l, and TOC – 405.7 mg/l.

VI. The CETP had replaced the old TOC Meter during July 2024 and informed to GPCB vide letter dated 30.07.2024. However, the new TOC Analyzer model is not yet updated on CPCB Portal.

VII. The CETP has also provided the analyser for Total Nitrogen (TN) at the final outlet (offline) for self-assessment of treatment process of CETP which showed the value of 276.8 mg/l.

VIII. The CETP receive two types of effluent, one with high ammonia content and other general effluent with low ammonia content. It was observed that the high ammonia effluent is first treated in MAP process (Magnesium Ammonium Phosphate) to remove / reduce the ammonia content and then mixed with general effluent at primary clarifier for further treatment. The capacity of MAP unit is 600 m^3/day.

IX. During the visit, samples of effluent were collected, the analysis results of sample collected from CETP inlet effluent reveals that all the monitored parameters are within GPCB prescribed inlet standards for CETP except for the concentration of pH- 8.60 (Standard: 6-5-8.5) & Phenols: 5.20 (Standard: 5 mg/l) for General Effluent and NH_3-N – 183.7 (Standard: 100 mg/l) & Phenols: 8.22 (Standard: 5 mg/l) for High Ammonia Effluent.

X. The analysis results of sample collected from CETP outlet effluent reveals that concentration of colour: 1950 Hazen units (Standard:100 Hazen units), TDS: 15,116 mg/l (Standard: 10000 mg/l), Chloride: 9,616 mg/l (Standard: 1000 mg/l), Sulphate: 2,471 mg/l (Standard: 1000 mg/l) and Cr^{+6}: 0.112 mg/l (Standard: 0.1 mg/l) exceeds GPCB prescribed outlet standards for CETP. Remaining monitored parameters were found well within the prescribed standards.

XI. It was observed that the laboratory analysis results for BOD (131 mg/l) and TSS (112 mg/l) are much higher than OCEMS reading (BOD: 40.5 mg/l and TSS: 6.9 mg/l) during sampling period.

XII. The treated effluent of CETP is discharged to Final Effluent Treatment Plant (FETP) for further treatment and disposal into deep sea discharge to Gulf of Khambat in Arabian Sea. It was informed that the flow meter provided at the final discharge point.

XIII. The CETP has provided Sludge Decanter system for handling of generated sludge and obtained membership from M/s BEIL Ankleshwar. The CETP had disposed 3592.6 MT sludge (as per the records) during April 2023 to March 2024 which is within the consented quantity i.e. 300 MT / Month.

AND, NOW, THEREFORE, in exercise of powers conferred under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974, Gujarat Pollution Control Board (GPCB) is hereby directed to take appropriate action including imposing environmental compensation and to ensure following compliance by the CETP operator:

a. Augmentation/proper operation of the treatment facility so as to meet the prescribed discharge standards.

b. Update details of New TOC meter with CPCB server.

c. To undertake regular calibration, and validation of the OCEMS analyzers as per standard operating procedures, so as to ensure generation of continuous & reliable data.

d. To identify member industries sending wastewater more than the prescribed limits and share list to GPCB.

Further, GPCB is also hereby directed:

i. To carryout survey of such identified member industries and take appropriate action.

ii. To prescribe separate inlet norms for high ammonia effluent stream and other effluent stream to the CETP.

The action taken by GPCB 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.
   Gujarat Pollution Control Board
   ParyavanBhavan, Sector 10- A
   Gandhinagar – 382 043
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 (Vadodara)** : for follow-up, please.
   Parivesh Bhawan, Opp. Ward No. 10
   VMC Office Subhanpura,
   Vadodara – 390 023
4. **Divisional Head, WQM-I**, CPCB, Delhi : for information, please.
5. **Divisional Head, IPC-VI** : for information, please.
   CPCB, Delhi
6. **Divisional Head, IT** : for uploading on CPCB website, please.
   CPCB, Delhi

(Bharat Kumar Sharma)