



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

CPCB/IPC-VII/CETP-M/s Enviro Infrastructure Co. Ltd./ 3246

Date: 30.07.2024

To

The Member Secretary

Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10A,
Gandhinagar- 382043
(Gujarat)

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 Enviro Infrastructure Co. Ltd., Vadodara (Dist), 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) 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 Enviro Infrastructure Co. Ltd. Plot No. 612-B, ECP Road, Vill. Umraya, Tal.: Padra, Dist.: Vadodara, Gujarat (herein after referred as CETP) was inspected by team of CPCB, RD Vadodara on 25.05.2024 and the following major observations were made:

- I. The CETP has 4.5 MLD capacity permitted to treat Industrial effluent from Member Industries located near VECL (ECPL).
- II. The raw effluent is brought through tankers to the CETP comprising of Equalization tanks, flash mixer, clariflocculator, Sequential Batch Reactors, intermediate collection sump, Pressure Sand Filter, Final treated effluent sump. The treated effluent is discharged to ECP channel.
- III. During the inspection, the CETP was found operational. The CETP has provided the flow meter and OCEMS at the outlet for monitoring pH, TSS, BOD, COD, NH₃-N & colour. The CETP has also provided a PTZ camera at the final treated outlet line area. Both the flow meter and PTZ camera were functional during the visit.
- IV. OCEMS is provided at the outlet of CETP (i.e. final discharge line of treated effluent from CETP to ECP channel). The CETP was selected for inspection on an offline basis but during the visit, OCEMS was found operational for all the parameters except for parameter NH₃-N. The CETP personnel informed that their OCEMS instrument is being calibrated on a regular basis. However, the calibration certificates were not made available to the visiting team.
- V. During the visit, OCEMS analyzer probes were not in the actual discharge line but in a separate metal tank without continual flow to record real-time values was provided. It was observed that the analyzer probe was installed in the non-permanent structure where there is a chance for tempering of the probe.
- VI. The analysis results of the samples collected from inlet reveal that the CETP meets inlet norms prescribed in the Consolidated Consent and Authorization (CC&A). However, the analysis results of the sample collected from the outlet of CETP reveal that the concentration of TDS: 13025 mg/l (standard: 5000 mg/l), COD: 294 mg/l (standard: 250 mg/l), Cl: 6435 mg/l (standard: 600 mg/l), and SO₄²⁻: 1839 mg/l (standard: 1000 mg/l) exceeds discharge standards prescribed in the CC&A.
- VII. The sludge from the clariflocculator, aeration tanks, and guard ponds is dewatered using a screw press. The dewatered sludge is then stored in a designated area prior to disposal at the CHWTSDF.

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 environment compensation, against the reported observations viz., installation of analyzers/ probes in the temporary structure, exceedance of discharge standards, ensuring continuous & reliable data etc. and to ensure compliance of the following:

- a. To augment or improve the treatment system so as to meet the discharge norms prescribed by GPCB in the CC&A.
- b. To provide adequate permanent structure for placing the probes and sensors to get representative real-time values of OCEMS and to remove the existing temporary structures.
- c. To undertake regular calibration & maintenance of the OCEMS analyzers as per standard operating procedures so as to ensure the generation of continuous & reliable OCEMS data.

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
Paryavan Bhavan, Sector 10- A,
Gandhinagar – 382 043 (Gujarat)
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,**
Central Pollution Control Board,
Parivesh Bhawan, Aatmajyoti
Ashram Rd, Opp. VMC Ward
Office No. 10, Subhanpura,
Vadodara- 390023 (Gujarat) : for follow-up, please.
4. **Divisional Head, WQM-I,**
CPCB, Delhi : for information, please.
5. **Divisional Head, IPC-VI,**
CPCB, Delhi : for information, please.
- ✓ 6. **Divisional Head, IT**
CPCB, Delhi : for uploading on CPCB
website, please.



(Bharat Kumar Sharma)

