



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 Viwa Eco Club/ 3669

Date: 20.08.2024

To

~~The Member Secretary~~

~~Karnataka State Pollution Control Board
Parisara Bhavan, 49, Church Street,
Bengaluru – 560 001
(Karnataka)~~

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. Viwa Eco Club, Bangalore, Karnataka.

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 an Online Continuous Effluent Monitoring System (OCEMS); and

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WHEREAS, CETP- M/s. Viwa Eco Club, Sm 106, KSSIDC, Veerasandra Industrial Estate, Veerasandra, Bangalore, Karnataka (herein after referred as CETP) was inspected by team of CPCB, RD Bangalore on 19.04.2024 and the following major observations were made:

- I. The CETP was found operational during visit. The CETP comprises of physico-chemical process and is operated batch-wise. The raw industrial effluent from member industries is brought through tankers to the CETP which consists of a Collection Tank, Guard Pond, Neutralizer Tank, Clarifier, Semi Treated Tanks, Activated Carbon Filter, Pressure Sand Filter, Filter Press, Final Treated Tank, RO plant, Sludge Drying Beds, and a Hazardous sludge storage Tank. It was informed that the CETP operates only between 9:00 A.M. and 5:00 P.M., resulting in the OCEMS not functioning for 24 hours, as it is switched off when the CETP is not operational.
- II. The CETP has a capacity of 20 KLD and has 53 member units. The member industries, primarily consist of metal surface finishers, metal coaters, electroplaters, extruders, and other related industries located in the nearby industrial area. It was reported that in the month of April, 2024, CETP received approximately 486 KL of acidic wastewater from 49 member units.
- III. The CETP has installed flow meters at the inlet and outlet, with the OCEMS positioned near the RO permeate tank to monitor COD, BOD, and TSS. However, the pH analyzer sensor is not installed in the actual discharge line but instead placed in the office room within a makeshift container.
- IV. During the visit, treated water samples were collected from the RO permeate tank of CETP. The analysis results of the samples collected reveal that the concentration of lead: 1.44 mg/l (standard: 0.1 mg/l) and cyanide: 0.4 mg/l (standard:0.2 mg/l) exceeds the discharge standards prescribed in the CC&A. Other monitored parameters found within the prescribed standards.
- V. Variation between the OCEMS readings and the manual analysis results was observed which indicates that OCEMS was not calibrated properly. During the visit, calibration certificates were not provided. However, later on, certificates were submitted which indicated that calibration was performed on 03-04-2024, but calibration events were not registered in the OCEMS data backup system on that day.
- VI. Chemical sludge generated from CETP is disposed through CHWTSDF i.e. M/s. Kalyana Karnataka Waste Management Project Pvt. Ltd. (KKWMPPL), Kadechur, Yadgir, Karnataka.
- VII. As per the consent, the treated water (RO Permeate) is permitted for disposal on land for gardening within the CETP premises. However, it was observed that the available land for utilizing the treated effluent is very limited. It appears infeasible to dispose of the entire volume of treated water through gardening in such a limited area of approximately 500 square metre around the year. Additionally, the disposal pathway for RO reject is not prescribed in CC&A.
- VIII. During the visit, the housekeeping was observed poor in view of CETP housed in a narrow (15 feet wide shed) congested area, sludge handling and RO reject management.


IX. Display Board at the entrance gate (as per Hon'ble Supreme Court order in WP(C) No. 657 of 1995) was provided at the entrance gate. However, the board was not updated.

AND, NOW, THEREFORE, in exercise of powers conferred under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, Karnataka State Pollution Control Board (KSPCB) is hereby directed to take appropriate action including imposing environment compensation, as applicable, against the reported observations viz., exceedance of discharge standards, discontinuous/improper operation of the OCEMS, poor housekeeping practices, etc. and to ensure compliance of the following by the CETP:

- a. To augment or improve the treatment system so as to meet the discharge norms as prescribed by KSPCB in the CC&A.
- b. To install OCEMS for the pH sensor at final outlet as per the guidelines and ensure continual data transmission to CPCB server.
- c. To regularly calibrate the OCEMS analyzers properly as per the guidelines so as to generate real-time accurate and reliable data.
- d. To provide adequate treatment for RO reject.
- e. To carryout study regarding requirement of plot area, plant species required for utilizing treated water for gardening purpose. The study shall also include impact on ground water due to application of treated water from the CETP. Action plan based on the findings shall be prepared and implemented.
- f. To regularly update information on Hazardous Waste Display board.

Further, KSPCB is hereby also directed to specify RO reject management and disposal conditions in the consent of the CETP.

The action taken by KSPCB be intimated to CPCB within 20 days of issuance of these directions.


Bharat Kumar Sharma
Member Secretary

Copy to:

1. **The Chairman** : for information, please.
Karnataka State Pollution Control Board
Parisara Bhavan, 49, Church Street,
Bengaluru – 560 001(Karnataka)

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,
1st & 2nd Floors, Nisarga Bhawan
A-Block, Thimmaiah Main Road
7th D Cross, Shivanagar
Bengaluru-560010 (Karnataka)
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)

