



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-Visakhapharma/ 30

Date: 02.04.2024

To

The Member Secretary

Andhra Pradesh Pollution Control Board
Dr. Y.S.R. Paryavaran Bhavan, APIIC Colony Road,
Guru Nanak Colony, Auto Nagar,
Vijayawada – 520007 (Andhra Pradesh)

Subject: Directions under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 regarding non-installation of OCEMS by CETP- M/s Visakha Pharmacy (Formerly M/s Ramky Pharmacy) (India) Ltd., JN Pharmacy, Parawada, CETP, Visakhapatnam, Andhra Pradesh

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

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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-M/s Visakha Pharmacy (Formerly M/s Ramky Pharmacy) (India) Ltd., JN Pharmacy, Parawada, CETP, Visakhapatnam – 531019 (Andhra Pradesh) (herein after referred as CETP) was inspected by CPCB officials on 26.09.2023 and following major observations were made:

- I. The CETP has a combined Consent to Operate & Hazardous Waste Authorization (HWA) valid up to 31.05.2026.
- II. The CETP receives effluent from 90-member units (90% Pharmaceutical industries & 10% Chemical industries). Two separate pipelines are installed, one for collecting high TDS stream (TDS>12,000 mg/L & COD>8,000 mg/L) and the other for low TDS stream (TDS<12,000 mg/L & COD<8,000 mg/L) from all the industries. An automated software based system has been installed for receipt of effluent.
- III. The effluent received at the CETP was around 2 MLD high TDS & 2.8 MLD low TDS effluent, against the designed capacity of 2.5 MLD high TDS & 7 MLD low TDS effluent, respectively.
- IV. Online Continuous Effluent Monitoring System (OCEMS), for measurement of pH, BOD, COD & TSS in the effluent and Flowmeter for measuring the flow of the effluent is installed at the outlet of CETP guard pond, i.e. discharge to marine outflow. OCEMS and Flowmeter are connected to CPCB server.
- V. The treated effluent is stored in ten guard ponds. Outlet of the guard pond is locked and the key is under the control of APPCB. The APPCB officials collect the sample of the guard pond and if it is complying the effluent discharge standards, permission is provided for discharge. Under the supervision of the APPCB officials, lock of the marine discharge is opened and treated effluent is discharged to marine outflow. There are 02 pipelines for marine discharge with separate flowmeters. If the effluent is not complying, the CETP is directed to retreat the effluent.
- VI. The analysis results of the monitored parameters at the outlet of CETP show that the treated effluent is complying with the prescribed treated effluent discharge standards for the monitored parameters.
- VII. The CETP has three coal-fired boilers, with a capacity of 10 TPH each, provided with mechanical dust collectors and bag filters as Air Pollution Control Devices (APCD). Stack-1 is attached to two boilers of 10 TPH (coal fired boilers) & is provided with OCEMS system for monitoring PM and SO₂. Stack-2 is attached to one new boiler of


10 TPH and installation of OCEMS was reported to be in process on the day of inspection. Online Continuous Emission Monitoring System (OCEMS) is connected to CPCB server.

- VIII. Source emission monitoring was carried out during the visit and monitored parameters were found meeting the emission norms.
- IX. The OCEMS (Emission Monitoring) data was compared with the source monitoring results and the variation in readings indicated that the OCEMS system needs calibration and validation.
- X. The hazardous waste generated including salt from MEE, sludge from MHRSCC are sent to TSDF and stripper solvent is sent to cement industry for co-processing. Salt was stored in designated storage yard.

AND, NOW, THEREFORE, in exercise of powers conferred under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, Andhra Pradesh Pollution Control Board (APPCB) is hereby directed to take appropriate action including levying of environmental compensation against the reported observations, including non-installation of OCEMS, non-calibration/non-validation of OCEMS, etc. and to ensure compliance of the following by the CETP:

- I. To install OCEMS at Stack-2 attached to new boiler of capacity 10 TPH and establish connectivity with CPCB & APPCB servers.
- II. To rectify the OCEMS installed at Stack-1 and undertake regular calibration, maintenance and validation of the OCEMS analysers, as per the standard operating procedures/recommendations of the suppliers, so as to ensure generation of continuous & reliable data.
- III. To explore utilization of treated water instead of fresh water for various purposes and prepare & implement time bound action plan for the same as far as feasible.

The action taken by APPCB 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.
Andhra Pradesh Pollution Control Board
Dr. Y.S.R. Paryavaran Bhavan,
APIIC Colony Road,
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2. **The Additional Secretary (CP Division)** for information, please.
Ministry of Environment, Forests & Climate
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3. **The Regional Director,** for follow-up, please.
Central Pollution Control Board,
2nd Floor, 77-A South Avenue Road,
Ambattur Industrial Estate,
Ambattur Taluk, Thiruvallur
Chennai-600058 (Tamil Nadu)
4. **Divisional Head, WQM-I,** for information, please.
CPCB, Delhi
5. **Divisional Head, IT** for uploading on CPCB
CPCB, Delhi website, please.


(Bharat Kumar Sharma)

