



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

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CPCB/IPC-VII/CETP-Nandesari/ 5043

October 16, 2023

To

The Member Secretary
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10 A,
Gandhinagar-382010 (Gujarat)

Subject: Directions under section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974, regarding non-compliance status of CETP- Nandesari, Plot No. 153/A, Vadodara, 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

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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-Nandesari (12 MLD design capacity), operated by M/s Nandesari Industrial Association, Nandesari (herein after referred as CETP) was inspected by a team of officials from CPCB Regional Directorate, Vadodara on 01/06/2023 and the following observations were made:

1. There are 07 inlet collection tanks in the CETP to receive the effluent through tankers. The treatment process occurs in batch mode, treating effluent from one collection tank at a time and thus variation in effluent matrix is inevitable during the treatment and invariable dosing of chlorine & lime resulting into excess free chlorine (as monitored 22.8 mg/l at the final discharge point on the day of visit) in the treated effluent stream.
2. The analysis results show that the CETP is not meeting the prescribed inlet norm for pH: 4.03 (as against the norm of 5-9).
3. The analysis results also show that the prescribed outlet discharge norms for parameters, namely, Colour: 125 (as against the norm of 100 units), TSS: 161 mg/l (as against the norm of 100 mg/l), TDS: 37467 mg/l (as against the norm of 5000 mg/l), BOD: 231 mg/l (as against the norm of 100 mg/l), COD: 649 mg/l (as against the norm of 250 mg/l), Chloride: 14945 mg/l (as against the norm of 600 mg/l), Sulphate: 3256 mg/l (as against the norm of 1000 mg/l), Cyanide: 0.33 mg/l (as against the norm of 0.2 mg/l) and Cr⁺⁶: 0.15 mg/l (as against the norm of 0.1 mg/l). TDS and chloride concentrations are significantly higher than the prescribed norms.
4. The OCEMS readings, during sampling period, were observed for the quality parameters as; BOD: 52 mg/l (as against lab result of 231 mg/l) and COD: 170 mg/l (as against lab result of 649 mg/l).
5. The outlet norm of cadmium quality parameter has not been prescribed in CC&A.
6. As per CC&A, the CETP is authorised to generate 5000 MT/year of chemical sludge. The CETP records show that about 14747 MT of chemical sludge is generated during April 2021 to March 2023, which is higher than the consented quantity.

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 for compliance of the following:

1. GPCB to ensure compliance of the following by the CETP:

- a. It provides an equalization tank for maintaining uniformity in the influent matrix before starting of actual treatment process.
 - b. It undertakes 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.
 - c. It augments and operates the treatment system, appropriately, so as to meet the prescribed norms.
 - d. It generates chemical sludge within the permissible limits.
2. GPCB needs to prescribe the limit for cadmium parameter in CC&A. Additionally, norms for free chlorine at the final discharge point may be prescribed.
 3. GPCB to take 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.

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


(Bharat Kumar Sharma)
Member Secretary

Copy to:

1.	The Chairman Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010 (Gujarat)	for information, please.
2.	The Additional Secretary (CP Division) Ministry of Environment, Forests & Climate Change, Prithvi Wing, 2 nd Floor, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.	for information, please.
3.	The Regional Director, Central Pollution Control Board, Parivesh Bhavan, Opp. Ward No. 10 VMC Office Subhanpura Vadodara - 390023.	for follow-up, please.
4.	Divisional Head, IT, CPCB, Delhi	for uploading on CPCB website, please.


Member Secretary