



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-Bhatgam/ 5779

November 03, 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- Bhatgam, Plot No. 143/P, Bhatgam, Junagadh, 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-Bhatgam (30 MLD design capacity), operated by M/s Bhatgam Washing Ghat Shudhhikarn Yojana Private Limited, Junagadh (herein after referred as CETP) was inspected by a team of officials from the Regional Directorate, CPCB, Vadodara on 25/07/2023 and the following observations were made:

1. CETP is established to treat the wastewater/effluent generated from the washing ghats. CETP was found operational during the visit, which treats the effluent received from 139 washing ghats.
2. The analysis results show that the CETP does not meet the prescribed inlet norms for Colour: 2567 (as against the norm of 350 Hazen units), FDS: 10498 mg/l (as against the norm of 2100 mg/l) and fluoride 14.6 mg/l (as against the norm of 5 mg/l).
3. The analysis results show that the CETP does not meet the prescribed outlet norms for TSS: 141 mg/l (as against the norm of 100 mg/l), COD: 279 mg/l (as against the norm of 250 mg/l), Sulphate: 1263 mg/l (as against the norm of 1000 mg/l), FDS: 4824 mg/l (as against the norm of 2100 mg/l), % Na: 94.2% (as against the norm of 60%), SAR: 35.7 (as against the norm of 26) and Total Residual Chlorine: 400 mg/l (as against the norm of 1.0 mg/l).
4. Treated effluent is used for irrigation purposes (Nilgiri Plantation) at Sukhpur and Bava Pipaliya villages.
5. OCEMS is installed at the outlet of CETP for the parameters pH, BOD, COD, and TSS. However, the data of pH and COD only are transmitted to CPCB server. The OCEMS was last calibrated on 25/04/2021.
6. The OCEMS readings, during the sampling period, were observed for the quality parameters, namely, pH: 6.09 (as against lab result of 9.08), BOD: 70.20 mg/l (as against lab result of 88 mg/l), COD: 212.7 mg/l (as against lab result of 279 mg/l) and TSS: 75.72 mg/l (as against lab result of 141 mg/l).
7. The CC&A prescribes inlet quality norms for Chlorides as 2500 mg/l and Sulphates as 3500 mg/l, whereas for FDS as 2100 mg/l, which is incongruent.

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. That the aforesaid CETP:
 - a. augments and operates the treatment system, appropriately, so as to meet the prescribed norms.
 - b. transmits the OCEMS data for the parameters BOD, TSS and Flow also to CPCB server.

- c. 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.
 - d. prepares a comprehensive Irrigation Management Plan (IMP), in consultation with the agricultural scientist or agriculture university/institute, duly considering also the land availability for irrigation against the treated wastewater generation and submit the same to GPCB.
2. As per MoEF&CC Notification S.O. 4(E), dated 01.01.2016, the State Board is required to prescribe Inlet Quality Standards for each CETP as per design of the CETP and local needs & conditions. Accordingly, GPCB shall rationalise the inlet quality norms for FDS vis-à-vis Chlorides & Sulphates and modify the same in CC&A.
 3. GPCB shall examine/verify the comprehensive Irrigation Management Plan (IMP) prepared by CETP as well as the land availability for irrigation against the treated wastewater generation and accordingly impose the conditions in CC&A ensuring no impact to the environment.

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** : for information, please.
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10 A,
Gandhinagar-382010 (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,** : for follow-up, please.
Central Pollution Control Board,
Parivesh Bhavan, Opp. Ward No. 10
VMC Office Subhanpura
Vadodara - 390023.
4. **Divisional Head, IPC-VI** : for information, please.
CPCB, Delhi
5. **Divisional Head, IT,** : for uploading on CPCB
CPCB, Delhi website, please.



Member Secretary