



SPEED POST/E-MAIL

File No. PJ-14013(12)/2/2024-WQM-II-HO-CPCB-HO 3219

Date: 30.07.2024

To,

The Member Secretary
Delhi Pollution Control Committee
6th floor, C wing, Delhi Secretariat
I P Estate, Delhi-110002

DIRECTIONS UNDER SECTION 18 (1) (b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 REGARDING NON-COMPLIANCE OF COMMON EFFLUENT TREATMENT PLANT (CETP) INSTALLED AT BAWANA INDUSTRIAL AREA, DELHI

WHEREAS, the Central Board, has delegated powers vested under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to the Member Secretary, Central Pollution Control Board vide its resolution made in 196th Board meeting dated 29th March, 2022 to issue direction under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to State Board (s); and

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board, constituted under the Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards & Pollution Control Committees to provide technical assistance and guidance to SPCBs/PCCs; and

WHEREAS, amongst others, under section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board, constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for the prevention, control or abatement of pollution of streams and wells located in the State and to secure the execution thereof; and

WHEREAS, under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, no person shall, without the previous consent of the State Pollution Control Board establish or take any steps to establish any industry, operation or process or any treatment or disposal system or any extension or addition thereto, which is likely to discharge sewage or trade effluent into a stream or well or sewer or on land; and

WHEREAS, the 35 MLD CETP located at sector 5, near Metro Vihar, Bawana Industrial area, Delhi (here in after referred as 'CETP') is designed to treat effluent generated from member

industrial units located in the Bawana Industrial Area, Delhi. The CETP is operated by M/s Bawana Infra Development Private Limited (BIDPL) under the supervision of Delhi State Industrial & Infrastructure Development Corporation Ltd. (DSIIDC); and

WHEREAS, CETP was inspected by CPCB officials on 20.05.2024 under “environmental surveillance of 17 categories of high pollution potential industries and common facilities based on Online Continuous Emission Monitoring System (OCEMS) data” and following observations were made:

1. The CETP is operated by M/s Bawana Infra Development Private Limited (BIDPL) under the supervision of Delhi State Industrial & Infrastructure Development Corporation Ltd. (DSIIDC).
2. CETP receives industrial effluent from member units through dedicated underground pipeline.
3. The CETP was operational on the day of the inspection and the utilized capacity was 22 MLD against the designed capacity of 35 MLD (Utilization capacity~63 %). The CETP is based on physico-chemical followed by Activated Sludge Process (ASP) upto tertiary level of treatment.
4. Treatment system of CETP is comprising of receiving chamber, oil & grease skimmer, manual coarse screen, grit chamber (02 nos.), mechanical fine screen, equalization tank, flash mixer, primary clarifier (02 nos.-parallel), aeration tank (02 nos.-parallel), clarifier (02 nos.-parallel), secondary holding tank, flocculation tank, tube settler (02 nos.-parallel), rapid gravity sand filter (06 nos.) and final treated effluent tank.
5. For sludge dewatering, CETP has 04 nos. of plate and frame type filter press (34 plates-each).
6. Sludge generated from primary and secondary clarifiers are collected into thickener for thickening and then to filter press for dewatering. Filtrate of filter press is enrooted to inlet of equalization tank for further treatment. Dewatered sludge is temporary stored under the shed and periodically sent to TSDF, Bawana operated by M/s Re Sustainability IWM Solutions Ltd., TSDF adjacent to Delhi MSW Solutions Pvt. Ltd. (Waste to Energy Plant), Sector-5, Bawana, Delhi for final disposal.
7. Flow meter at inlet was found under installation and flowmeter at outlet was found non-functional.
8. Online Continuous Emission Monitoring Systems (OCEMS) was found installed at outlet of the CETP and connected with CPCB/DPCC servers.
9. Consent to Operate under the Water Act, 1974 and Authorization under Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 have been expired on 30.03.2023 and the CETP has applied for renewal of the same to DPCC.
10. Treated effluent of CETP was found non-complying w.r.t prescribed effluent discharge norms for inland surface water for **BOD** (267 mg/l against 30 mg/l), **COD** (754 mg/l against 250 mg/l), **TSS** (295 mg/l against 100 mg/l), **FDS** (7128 mg/l against 2100 mg/l), **Chloride** (2142 mg/l against 1000 mg/l), **Fluoride** (3.7 mg/l against 2 mg/l) and **Fe** (5.424 mg/l against 3 mg/l).
11. The inlet water quality was found non-compliance w.r.t. CETP inlet standards prescribed by DPCC (as per their order dated 02.03.2022) for oil & grease (28.4 mg/l

against 20 mg/l, BOD (326 mg/l against 300 mg/l), COD (1509 mg/l against 750 mg/l), TSS (1402 mg/l against 600 mg/l) and FDS (7628 mg/l against 2100 mg/l).

12. MLSS and MLVSS in the aeration tank were 1989 mg/l and 1150 mg/l, respectively.
13. Treated effluent of CETP is discharged into adjacent drain no. 07 through a pipeline, which meets Nazafgarh drain at about 35 km distance and finally meet to River Yamuna.
14. Values on OCEMS at final outlet of CETP were observed as pH-7.49, BOD-25.31 mg/l (10 times lower than the value of analysis result), COD-90.61 mg/l (8 times lower than the value of analysis result) and TSS-91.81 mg/l (3 times lower than the value of analysis result).
15. Variations of about 3-10 times were observed in the values of BOD, COD and TSS on OCEMS w.r.t the sample analysis result value of CETP outlet.
16. Upgradation and retrofitting of CETP was under progress. As per information received from CETP operator, 90 % of upgradation work has been completed and remaining work will be completed within 15 days.

AND NOW THEREFORE, in exercise of powers conferred under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974, Delhi pollution Control Committee (DPCC) is hereby directed to take appropriate action against Delhi State Industrial & Infrastructure Development Corporation Ltd. (DSIIDC) and M/s Bawana Infra Development Private Limited (BIDPL) and ensure compliance of the following:

1. Proper operation and maintenance of CETP treatment units in such a way to achieve the prescribed CETP discharge norms.
2. DSIIDC and BIDPL shall identify and take necessary action against the member units which discharges effluent without meeting the CETP inlet norms prescribed by DPCC.
3. CETP is operated with valid Consent to Operate under the Water Act, 1974 and Authorization under Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016, at the earliest.
4. Installation and working of electromagnetic flowmeter at inlet and outlet of CETP.
5. Regular & proper calibration of the OCEMS and regular data transmission on CPCB/SPCB server

DPCC shall acknowledge receipt of these directions and submit the action taken report to CPCB within 15 days of receipt of this direction.


(Bharat Kumar Sharma)
MEMBER SECRETARY

Copy to:

1. **Additional Secretary (CP Division),** : For kind information, please.
Ministry of Environment Forests & CC,
Indira Paryavaran Bhawan, Jor Bagh Road,
New Delhi - 110 003
2. **Director General,** : For kind information, please.
National Mission for Clean Ganga
(MoWR, RD & GR),
1st Floor, Major Dhyan Chand National
Stadium, India Gate, New Delhi - 110 002
3. **Chairman** : For kind information, please.
Delhi Pollution Control Committee
6th floor, C wing, Delhi Secretariat
I P Estate, Delhi-110002
4. **Regional Director,** : For kind information and follow-up,
Regional Directorate, Chandigarh please.
Central Pollution Control Board
BSNL Telephone Exchange, 2nd Floor,
Sector-49 C, Chandigarh - 160 059
5. **In-charge, IT Division, CPCB** : For uploading the direction on CPCB
website, please.


(Bharat Kumar Sharma)
MEMBER SECRETARY