



Speed Post

B-190188/CETP-Pilakhuwa/PIAS/WQM-II/CPCB/2019-20/6837

Date : 19.09.2019

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To,

VICE CHAIRMAN
HAPUR-PILKHUWA DEVELOPMENT AUTHORITY
PREET VIHAR, DELHI ROAD, HAPUR-245101,

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, the Ministry of Environment & Forests, Govt. of India, vide notification S.O.157 (E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, CPCB, to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board or to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries, Common Effluent Treatment Plants (CETP) and Sewage Treatment Plants (STP) under the Environment (Protection) Act, 1986 and the rules framed there under; 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 Boards (SPCBs)/Pollution Control Committees, constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to plan a comprehensive programme for the prevention, control and abatement of pollution of stream and wells in the State/UT and to secure the execution thereof; and

WHEREAS, Hon'ble Supreme Court in the writ petition (c) no. 375 of 2012 pronounced judgment dated: 22/02/2017 and issued direction as under:

1. *The setting up of 'common effluent treatment plants' should be taken up as an urgent mission. CETPs which are already under implementation should be completed within the lines already postulated. CETPs which are yet to be set up, concerned State Governments/ Union Territories were directed to complete the same within three years from today (i.e. 22/02/2017).*
2. *While acquiring lands for setting up of 'common effluent treatment plants' concerned State Governments will acquire such additional land as may be required for setting up "zero liquid discharge plants" as and when required in future.*
3. *Government (or the Union Territories), shall cater to the financial requirement, of running the CETPs, which are presently dis-functional, from their own financial resources.*
4. *For setting up CETPs, the concerned State Governments (or the Union Territories) will prioritize such cities, towns and villages, which discharge industrial pollutants and sewage, directly into rivers and water bodies.*
5. *The directions pertaining to continuation of industrial activity only when there is in place a functional primary ETP, and the setting up of functional CETPs, within the time lines, shall be of the Member Secretaries of the concerned Pollution Control Boards.*
6. *Some of the CETPs are dis-functional, because of lack of finances. Onus to operate the existing CETPs, rests on concerned Municipalities (and / or Local Bodies), cannot be permitted to shy away, from discharging this onerous duty.*

7. The norms for generating funds, for setting up and / or operating the CETP shall be finalized, on or before 31.3.2017, so as to be implemented w.e.f. the next financial year.

AND WHEREAS, Common Effluent Treatment Plant (CETP) Pilakhuwa, Textile centre, Pilakhuwa Dehat, Pilakhuwa, Hapur (herein after referred to as CETP, Pilakhuwa) was constructed by Hapur Pilakhuwa Development Authority (HPDA) with design capacity of 2.1MLD; and

WHEREAS, presently there are 21 member units of CETP, Pilakhuwa out of which 07 no. of member units are presently operational and have been granted NOC & consent by UPPCB to discharge the primary treated effluent in the CETP; and

WHEREAS, all the member units have their individual operational Primary Effluent Treatment Plant (PETP) for primary treatment of effluent to meet the prescribed effluent discharge standards. Primary treated effluent of all member units are discharged to the CETP for final treatment & disposal of treated effluent as per the stipulated effluent discharge norms; and

WHEREAS, CETP, Pilakhuwa was inspected by a team of CPCB officials on 30.05.2019 and following observations were made: -

1. CETP, Pilakhuwa was operational on the day of visit.
2. CETP, Pilakhuwa does not have valid Consent to Operate under Water & Air Acts from UPPCB.
3. No Oil and Grease sludge was evident. No facility for storage of same was observed.
4. Oil and Grease skimmer, flocculation and mixing unit were not operational.
5. Filter press and pumps were not functional but Sludge (generated of about 180-200kg/day- as stated by operator) was stored in the building/ shed where Filter press is installed. Filter press was found corroded/non-functional.
6. No sludge was lifted since over 6 months (as per information provided by plant operator). Adequate shed to store hazardous sludge generated for CETP is also not maintained. No arrangement of drain or sump for collection of leachate from sludge has been made. No pumping or alternate arrangements are available to return leachate for treatment. Accumulated leachate has potential to contaminate ground water in the present state of management.
7. Flow meter is not installed at Inlet & Outlet of CETP.
8. Flow meter is installed at Flash Mixer but was not operational.
9. Solids and Screened out material from Bar screen at inlet is collected manually (approx. 25 kg/ day) and dumped on road side.
10. No log books for inlet & outlet flow, pump operations, maintenance/breakdown maintenance & sludge generation are maintained
11. Lab facility is not available inside CETP premises. No Test reports or agreement with subcontracted laboratory was made available.
12. No chlorination/ disinfection was being practiced at outlet of CETP. CETP has DG set as electricity backup that was found non-operational, without fuel and also no storage of oil observed.
13. Effluent samples are collected from CETP inlet, outlet and harvesting unit and analysis report is as under:

Sr. No.	Parameters	CETP Inlet		CETP Outlet		Harvesting Unit
		Inlet	Inlet norms prescribed by UPPCB	Outlet	Standards	
1	pH	7.05	5.5-9.0	7.89	6.0-9.0	8.54
2	Colour	257	350-400	37	-	257
3	O&G	12	25	BDL	10	12
4	TSS	358	350	17	100	53

Sr. No.	Parameters	CETP Inlet		CETP Outlet		Harvesting Unit
		Inlet	Inlet norms prescribed by UPPCB	Outlet	Standards	
5	BOD	207	600	10	30	98
6	COD	476	900	47	250	211
7	Total Dissolved Solids	2228	-	2152	2100	2068
8	NH ₃ -N	17	50	BDL	50	17
9	Total Chromium	0.08	2	BDL	2	-
10	Sulphide	0.8	2	0.2	-	0.8
11	Phenolic Compounds	0.1	5	BDL	1	0.1
12	Cl ⁻	456	-	611	1000	456
13	SO ₄ ⁻	319	-	338	1000	319
14	NO ₃ -N	2.33	-	1.17	10	2.33
15	As	BDL	-	BDL	0.2	BDL
16	Cd	BDL	-	BDL	0.05	BDL
17	Co	BDL	-	BDL	-	BDL
18	Cu	3.39	-	0.02	3	3.39
19	Fe	19.25	-	0.75	3	19.25
20	Mn	3.45	-	0.19	2	3.45
21	Ni	0.02	-	BDL	3	0.02
22	Pb	0.03	-	BDL	0.1	0.03
23	Sb	BDL	-	BDL	-	BDL
24	Se	BDL	-	BDL	0.05	BDL
25	V	BDL	-	BDL	0.2	BDL
26	Zn	0.57	-	0.04	5	0.57

Note: All values are expressed in mg/l except pH and colour (Hazen)

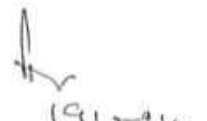
14. Analysis results of samples taken from CETP inlet shows TSS as **358mg/l against the norms of 350mg/l** which indicates non-compliance with the norms prescribed by UPPCB for *CETP Inlet Effluent Quality* indicating that PETP installed by the member units are not adequate and functioning properly to achieve desired PETP treated effluent quality norms.
15. Analysis results of samples taken from CETP outlet shows FDS as **2152 mg/l against the value of 2100mg/l** which indicates non-compliance with the norms of permissible limit for CETP Treated Effluent Discharge Quality.
16. A water tank was observed in premise. It was reported by the unit representative that the tank is used for storing surface runoff during rain. Arrangements are made for collection of drain water by two pumps and discharge of stored water through pipes leading to nearby channels running parallel to CETP wall. However, pumps are not functional/ defunct. Untreated effluent was stored in the tank. Analysis results of effluent stored in harvesting tank indicates Colour 257 Hazen, BOD 98mg/l, FDS 2068mg/l and COD 211mg/l. The characteristics of heavy metals, Chloride and sulphide analysis results match with inlet effluent quality.
17. A by-pass channel was observed, near harvesting unit, passing under the wall of CETP. There is a possibility that effluent from harvesting unit can be directly pumped to the channel flowing adjacent to the CETP wall with outfall into drain outside premises.

AND WHEREAS CETP, Pilakhuwa is required to implement following suggestive measure besides other pollution control measure:

1. The unit shall obtain valid Consent to operate from UPPCB immediately.
2. The unit shall install Flow meter at inlet and outlet immediately.
3. All bypass arrangements shall be immediately dismantled.
4. Augmentation of ETP shall be done to comply with the notified norms.
5. OCEMS shall be installed at CETP outlet and connectivity to CPCB server shall be ensured.
6. Logbooks shall be maintained for CETP inlet & outlet flow, pump operations, maintenance/breakdown maintenance, chemicals' storage consumption, and scheduled dosing and sludge generation and disposal.
7. All records (CTO, Log Books, details of member unit etc.) related to CETP should be maintained onsite with CETP.
8. Non-operational CETP processes e.g., filter press, oil and grease skimmer, flocculation and mixing unit shall be made operational.
9. Sludge uplifting shall be done on regular intervals.
10. Storage of untreated effluent in tanks shall be stopped immediately and effluent stored in harvesting tank shall be treated in CETP.

AND NOW THEREFORE, in view of the above mentioned observations and in exercise of the powers delegated to the Chairman CPCB, under section 5 of the Environment (Protection) Act, 1986, the **show cause notice** is hereby served to **Hapur-Pilakhuwa Development Authority, Preet Vihar, Delhi Road, Hapur-245101** to explain reasons of non-compliance and show cause as to why member units should not be closed down for non-compliance of CETP effluent quality norms and storage of untreated effluent in tank having bypass arrangement and also **why appropriate environmental compensation (Rs. 07,35,000.00 for non-compliance period i.e., 30.05.2019 to 04.09.2019) should not be imposed** until necessary pollution control measures are planned and implemented in a time bound manner.

The reply to the show cause notice along with the details of operational member units, and supporting evidences/photographs/documents shall be submitted to this office within 15 days from the date of this notice, failing which appropriate action under Environmental (Protection) Act, 1986 will be taken without any further notice.


(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

- 1 **Member Secretary,** : For information please
U. P. Pollution Control Board
Building No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow-226 010
- 2 **Joint Secretary (CP),** : For information please
Ministry of Environment Forests & CC
Indira Paryavaran Bhawan, Jor Bagh Road,
New Delhi-110 003
- 3 **Regional Director(North)** : For information please
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow, Uttar Pradesh-226 010

4 **District Magistrate**
Hapur
Collectorate Campus,
Hapur, Uttar Pradesh- 245101

: For information please

✓ 5 **In-charge, IT Division, CPCB**

: for uploading the direction at CPCB website.

6 **Master copy (CETP), WQM-II Division**

: For record.


(PRASHANT GARGAVA)
MEMBER SECRETARY

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