

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

~~The Chairman~~  
Uttar Pradesh Pollution Control Board  
TC-12V, VibhuthiKhand,  
Gomti Nagar,  
Lucknow 226010, U.P.

**Directions under Section 18 (1) (b) of water (Prevention and Control of Pollution) Act, 1974, regarding non-compliance status of common effluent treatment plants (CETPs).**

**WHEREAS**, amongst others, under Section 17 of Water (Prevention and Control of Pollution) Act, 1974, one of the functions of State Pollution Control Boards (SPCBs) (or Pollution Control Committee for Union Territories), 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 streams and wells in the concerned State/UT and to secure the execution thereof; 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 (CPCB) constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to coordinate activities of the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) and to provide technical assistance and guidance to SPCBs/PCCs; and

**WHEREAS**, amongst others, under Section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the CPCB is to promote cleanliness of streams and wells in different areas of the States; 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 Board establish or take step to establish any industry, operation or process of any treatment or disposal system or an 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 Central Government has specified the standards for discharge of environmental pollutants from industries and CETPs under Environment (Protection) Act, 1986 and the rules framed there under; and

**WHEREAS**, CPCB has been interacting with SPCBs regarding implementing effective monitoring mechanism to ensure compliance of effluent standards by CETPs and to stop direct discharge of untreated industrial effluent from industries/industrial area by-passing the CETP for the area; and

**WHEREAS**, in order to improve the status of compliance of the stipulated effluent standards by CETPs, Central Pollution Control Board (CPCB) has issued directions under section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974, to SPCBs/PCCs, vide letter No. B-22013/2/PCI-III/2008, dated 2/9/2008 and modified directions vide letter no. PCI-SSI/CETPs Monitoring/Direction/2016, dated 31/3/2016 as follow:

1. *Carry out monitoring of all CETPs and the associated industrial areas at least every quarter:*
  - a) *To check compliance of inlet quality parameters of CETP*
  - b) *To check compliance of the effluent standards for CETPs notified on 1<sup>st</sup> January 2016, or if any more stringent standards for ZLD condition specified by the SPCB*
  - c) *To check maintenance and calibration status of the OCEMS in the CETP*
  - d) *To check occurrence of any bypass of untreated effluents from industries/industrial area wherever applicable*
2. *Upload the performance status of all CETPs in respect of each monitoring on SPCB website regularly, starting from April 2016*
3. *Not permit establishment/expansion of industrial units in the areas where the associated CETPs are not complying with the specified standards or where such CETPs do not have adequate hydraulic capacities except for such cases which do not impact performance of CETP, such as*
  - a) *Not resulting in increase in pollution load such as industries generating nil effluent, 100% effluent recycling units, industries generating only concentrated stream disposed at Common Hazardous Waste Treatment and Disposal Facility*
  - b) *CETP has unutilized hydraulic capacity and the effluent of new industry/expansion will help in improving the performance of CETP (in all such cases the SPCB shall provide details and justification for granting permission to new units/expansion of existing units to CPCB every quarter)*
4. *Take suitable action against industries/CETPs not complying with the prescribed standard*

5. To take suitable action to stop bypass of untreated industrial effluents from industries/industrial estates wherever applicable.

**AND WHEREAS**, Hon'ble NGT in the matter of 'Paryavaran Suraksha Samiti & Anr. Applicant (s) vs Union of India & Ors (OA No. 593/2017) has directed CPCB in the order dated 19/2/2019 as below:


*"The CPCB may also compile its monitoring report with reference to 97 CETPs installed in different states after undertaking study about the status of their efficient functioning and remedial steps required in this matter".*

**WHEREAS**, to comply the order of Hon'ble NGT, CPCB carried out inspection cum monitoring of 5 CETPs located in Uttar Pradesh during April and May, 2019. The observations and recommendations as well as analysis reports are enclosed at **Annexure-I** and **Annexure-II**, respectively.

**AND NOW THEREFORE**, in exercise of powers conferred under Section 18 (1) (b) of the Water (Prevention and Control of Pollution) Act, 1974, UPPCB is hereby directed to take appropriate action for compliance of the following directions:

1. UPPCB shall direct non-complying CETPs to take immediate corrective actions to comply with the environmental standards.
2. CETPs should be directed to take action as per the recommendations provided at **Annexure-I** within stipulated time frame.
3. In case of non-complying CETPs, action as deemed fit including levying of environmental compensation may be taken.
4. In case, OCEMS are not connected with CPCB & SPCB servers, ensure a robust system of physical inspections to verify compliance by drawing samples.

Compliance of the directions shall be submitted to CPCB within 15 days.

  
(S.P. Singh Parihar)  
Chairman

**Encl: As above**

**Copy to:**

The Joint Secretary (CP Division)  
Ministry of Environment, Forest & Climate Change  
Indira Paryavaran Bhawan, Jorbagh Road  
Ali Ganj, Lodi Colony  
New Delhi-110 013

: For information, please.

The Regional Director,  
Regional Directorate (North),  
Central Pollution Control Board  
Ground Floor, PICUP Bhawan,  
Vibhuti Khand, Gomti Nagar,  
Lucknow-226010 (U.P.)

: For follow-up, please.

✓ The In-charge, IT Division, CPCB

: With a request to upload  
the directions on CPCB  
website.

  
(Prashant Gargava)  
Member Secretary

**Report on Common Effluent Treatment Plants (CETPs) in Uttar Pradesh as per the Inspection of Central Pollution Control Board (CPCB) during 2019**

Sl. No.	Name & Address of CETP	Date of Inspection	Observations/ Compliance status	Recommendations/Action Points
1.	CETP, (for Textile industries), Industrial area, Site-A, Mathura, UP	27/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD, COD, Suspended solids, FDS, Chloride and Sulphide.</li> <li>• CETP is for textile industries (18 units).</li> <li>• CETP Consents expired and applied for renewal on 25/4/2019. CETP does not have Hazardous waste authorization.</li> <li>• CETP treats effluent of 3.5 MLD as against the designed capacity of 6.25 MLD.</li> <li>• Inlet to CETP standard is prescribed.</li> <li>• OCEMS are not installed.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> <li>• CETP should obtain HW Authorization and valid Consents within two month.</li> <li>• CETP should install OCEMS and provide connectivity to CPCB server within one month.</li> </ul>
2.	CETP at UPSIDC Leather Technology Park Banthar, Unnao	1/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD, COD and TSS.</li> <li>• CETP is for Tannery industries (45 units).</li> <li>• CETP has valid Consents and Authorization.</li> <li>• CETP treats effluent of 2.3 MLD as against the designed capacity of 4.5 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. TSS and Total Cr.</li> <li>• OCEMS are installed.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> <li>• UPPCB should direct individual member industries to comply with prescribed standards immediately.</li> </ul>



3.	CETP Jajmau, Kanpur, Uttar Pradesh	1/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t COD, BOD, TSS and total chromium.</li> <li>• CETP is for Tannery industries (354 units).</li> <li>• CETP doesn't have valid Consents and Authorization.</li> <li>• CETP treats 8.79 MLD tannery effluents and 25.32 MLD domestic sewage as against the designed capacity of 36 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. TSS and Cr.</li> <li>• OCEMS are not installed.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> <li>• CETP should obtain valid consents and Authorization.</li> <li>• UPPCB should direct individual member industries to comply with prescribed standards immediately.</li> <li>• CETP should install OCEMS and provide connectivity to CPCB server within one month.</li> </ul>
4.	CETP, Rooma, Kanpur, UP	11/4/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD, COD, FDS and chloride.</li> <li>• CETP is for Textile industries (18 units).</li> <li>• CETP has valid Consents and &amp; Authorization.</li> <li>• CETP treats 0.788 MLD effluent as against the designed capacity of 1.55 MLD. However as per UPPCB consent conditions, the capacity is reduced to 775 KLD.</li> <li>• Inlet to CETP standard is prescribed.</li> <li>• OCEMS are installed and connected to CPCB server.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation/technology of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> </ul>

5.	CETP, UPSIDC Industrial area, Unnao Site- II, UP	1/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD and COD.</li> <li>• CETP is for Tannery industries (21 units).</li> <li>• CETP has valid Consents and Authorization.</li> <li>• CETP treats 0.97 MLD effluents as against the designed capacity of 2.15 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. TSS and Total Cr.</li> <li>• OCEMS are installed connected to CPCB server.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> <li>• UPPCB should direct individual member industries to comply with prescribed standards immediately.</li> </ul>
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**Annexure-II**

**Monitoring Characteristics of treated effluent being discharged from Common Effluent Treatment Plants in Uttar Pradesh**

Sl. No.	Name of CETP	pH	TKN	TSS	O & G	TDS/FDS	F	S	SO <sub>4</sub>	BOD	COD	NH <sub>4</sub> -N	Phenol	NO <sub>3</sub> -N	P	Cl	CN	TRC	B	Fe	Mn	Cr	Cd	Cu	Pb	Ni	As	Hg	Zn	
1.	CETP -Mathura, U.P.	7.95	-	<u>152</u>	-	<u>3800</u>	BDL	-	804	<u>233</u>	<u>491</u>	11.1	-	9.75	0.568	<u>1454</u>	-	-	-	0.26	BDL	BDL	-	BDL	BDL	BDL	BDL	BDL	BDL	0.1
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	10	10	5	1000	-	-	-	3	2	0.1	0.05	3	0.1	3	0.2	0.01	5	
2.	CETP- Leather Technology Park, Unnao, U.P.	7.99	-	<u>151</u>	-	-	-	-	-	<u>682</u>	<u>1207</u>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Standard prescribed	5.5-9	-	100	-	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
3.	CETP- Jajmau, Kanpur, U.P.	9.14	-	<u>141</u>	-	-	-	-	-	<u>290</u>	<u>703</u>	-	-	-	-	-	-	-	-	-	-	6.82	-	-	-	-	-	-	-	
	Standard prescribed	5.5-9	-	100	-	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
4.	CETP- Rooma, Kanpur, U.P.	8.12	-	34.4	BDL	<u>6191</u>	-	BDL	583	<u>58.2</u>	<u>254</u>	3.12	0.136	11	BDL	<u>2823</u>	-	-	-	6.69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.284	
	Standard prescribed	6-9	-	100	10	2100	-	2	1000	30	250	50	1	10	5	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.	CETP-UPSIDC Industrial Area Unnao, U.P.	6.10	-	23.3	-	-	-	-	-	<u>171</u>	<u>289</u>	-	-	-	-	-	-	-	-	-	-	0.49	-	-	-	-	-	-	-	
	Standard prescribed	5.5-9	-	100	-	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

\*\*indicates that treated effluent is not discharged