

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

~~The Chairman~~
Punjab Pollution Control Board
Vatavaran bhawan, Nabha Road,
Patiala 147001, Punjab

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 1st 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 4 CETPs located in Punjab during April-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, PPCB is hereby directed to take appropriate action for compliance of the following directions:

1. PPCB 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) : For information, please.
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan, Jorbagh Road
Ali Ganj, Lodi Colony
New Delhi-110 013

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 Punjab 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 of capacity 5 MLD (Module-II) Plot No.35 Leather Complex, Jalandhar (Punjab)	1/5/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t BOD, COD, FDS TSS, TKN, Ammonical Nitrogen, Nitrate Nitrogen, Sulphate and Chloride. • CETP is for Tannery industries (60 units). • CETP Consents expired on 20.03.2019. CETP has valid HW Authorization. • CETP treats effluent of 3 MLD as against the designed capacity of 5 MLD. • CETP has not provided any storage facility for HW storage. • Inlet to CETP standards is not prescribed. • OCEMS are not installed. 	<ul style="list-style-type: none"> • 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. • CETP should obtain valid Consents within two month. • Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month. • PPCB should prescribe inlet standards to CETP within one month. • CETP should install OCEMS and provide connectivity to CPCB

				server within one month.
2.	CETP of capacity 500 KLD, Plot No D-260, Phase-VIII, Focal Point, Ludhiana Punjab	1/5/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge (ZLD) condition. • CETP is for Electroplating industries (1673 units). • CETP has valid Consents and Authorization. • CETP treats effluent of 450 KLD as against the designed capacity of 500 KLD. • Inlet to CETP standards is not prescribed. • OCEMS is not installed. 	<ul style="list-style-type: none"> • PPCB should prescribe inlet standards to CETP within one month. • CETP should install OCEMS and provide connectivity to CPCB server within one month.
3.	CETP of capacity 15 KLD, Electroplating Association CETP, Malerkotla Village Ramatgarh Kila, Tehsil - Malerkotla District Sangrur (Punjab)	2/5/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t BOD, COD, FDS and lead. • CETP is for Electroplating industries (57 units). • The CETP does not have valid Consents and Authorizations and applied for renewal to PPCB. • CETP treats effluent of 12 KLD as against the designed capacity of 15 KLD. • Inlet to CETP standards is not prescribed by PPCB. • OCEMS is not installed. 	<ul style="list-style-type: none"> • 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. • CETP should obtain valid CCA within two month. • PPCB should prescribe inlet standards to CETP within one month. • CETP should install OCEMS and provide connectivity to CPCB server within one month.

4.	M/s Dr.Ambedkar Leather Association CETP Phillaur, Nurmahal Road, Phillaur, Jalandhar, Punjab	30/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t Nitrate Nitrogen. • CETP is for vegetable Tanning industries (19 units). • The CETP has valid Consents and Authorization. • CETP treats effluent of 8 KLD as against the designed capacity of 35 KLD. • New inlet standards are not yet prescribed by PPCB as per EPA. • OCEMS is not installed. 	<ul style="list-style-type: none"> • The operator shall improve operation of CETP so as to meet discharge standards immediately. • PPCB should prescribe inlet standards within one month. • CETP should install OCEMS and provide connectivity to CPCB server within one month.
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Monitoring Characteristics of treated effluent being discharged from Common Effluent Treatment Plants in Punjab

Sl. No.	Name of CETP	pH	TKN	TSS	O & G	TDS/FDS	F ⁻	S ⁻	SO ₄	BOD	COD	NH ₄ -N	Phenol	NO ₂ -N	P	Cl ⁻	CN ⁻	TRC	B	Fe	Mn	Cr	Cd	Cu	Pb	Ni	As	Hg	Zn	
1.	CETP -Leather Complex Jalandhar Punjab	7.79	1036	136	BDL	12360	BDL	BDL	2941	111	278	605	0.56	30.4	0.924	5373		-	-	-	-	BDL	-	-	-	-	-	-	-	-
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	1	10	5	1000	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-
2.	CETP -Focal Point Ludhiana Punjab	10.75	1.68	63.1	BDL	792	BDL	BDL	166	9.19	50.1	1.09	0.99	3.52	BDL	558	-	-	-	6.35	-	BDL	BDL	BDL	BDL	BDL	-	-	0.754	
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	1	-	5	1000	-	-	-	3	-	2	0.05	3	0.1	3	-	-	5	
3.	CETP- Electroplating Association, Malerkotla, Punjab	8.78	39.5	630	BDL	48364	BDL	BDL	489	232	736	28.2	0.59	657	BDL	45816	-	-	-	-	-	0.63	-	0.22	1.93	1.32	-	0.017	1.62	
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	1	50	5	1000	-	-	-	-	-	2	-	3	-	3	-	0.01	5	
4.	CETP - Dr. Ambedkar Leather Association, Puniab	8.50	1.68	63		2056	BDL	BDL	229	22.6	61	0.298	-	12.1	BDL	598	-	-	-	-	-	BDL	-	-	-	-	-	-	-	
	Standard prescribed	6-9	50	100		2100	2	2	1000	30	250	50	-	10	5	1000	-	-	-	-	-	0.1	-	-	-	-	-	-	-	

*All parameters are expressed in mg/l except pH.