

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

~~The Chairman
Karnataka State Pollution Control Board
4th & 5th Floor, Parisara Bhawan,
No. 49, Church Street,
Bangalore - 560 001,
Karnataka~~

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 11 CETPs located in Karnataka during March-April, 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, KSPCB is hereby directed to take appropriate action for compliance of the following directions:

1. KSPCB 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 (South),
Central Pollution Control Board
1st & 2nd Floors, Nisarga Bhavan,
A-Block, Thimmaiah Main Road,
7th D Cross, Shivanagar,
(Opp. Pushpanjali Theatre)
Bengaluru-560010 (Karnataka)

: 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 Karnataka 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.	M/s Viwa Eco Club, SM-106 Veerasandra Industrial Estate, Hosur Road, Bengaluru, Karnataka-560100	15/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t TSS, FDS and chloride. • CETP is for Electroplating industries (56 units). • The CETP has valid Consents & Authorization. • It treats around 20 KLD of effluent as against the designed capacity of 20 KLD. • Inlet to CETP standards is not complying w.r.t pH. • OCEMS are installed but not functioning. 	<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. • KSPCB should direct individual member industries to comply with prescribed standards immediately. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.
2.	M/s LIDKAR Tanners Enviro Control System Limited, Kadugondanahalli, Bengaluru, Karnataka-560045	16/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t pH, BOD, TDS, Zn and Fe. • CETP is receiving effluent from industrial units such as Tannery, Gourmet, Formulation, Textile etc (89 units). • The CETP has valid Consents & Authorization. 	<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

			<ul style="list-style-type: none"> • It treats around 200 KLD of effluent as against the designed capacity of 1000 KLD. • Inlet to CETP standards is not prescribed. • OCEMS are installed but not functioning. • SPCB has relaxed outlet standard for BOD to 350 mg/l. • Nil DO in aeration tank was observed. 	<p>Government institution within four month.</p> <ul style="list-style-type: none"> • SPCB shall not relax standards notified by MoEF&CC for CETP. • KSPCB should provide inlet standards to CETP within one month. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.
3.	M/s Pai&Pai Chemicals (I) Pvt Ltd. - Unit 1, 29/A, 1 st Phase, Kumbalgodu Industrial Area, Mysore Road, Bangalore, Karnataka-560074	4/4/2019	<ul style="list-style-type: none"> • CETP is complying with prescribed discharge standards for monitored parameters. • CETP is receiving effluent from industrial units such as Electroplating, chemical industry, Automobile etc (104 units). • The CETP has valid Consents & Authorization. • It treats around 200 KLD of effluent as against the designed capacity of 300 KLD. • OCEMS are installed and connected to CPCB server. • Inlet to CETP standards is prescribed. • Hazardous waste is stored in open shed. 	<ul style="list-style-type: none"> • Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month.
4.	M/s Pai&Pai Chemicals (I) Pvt Ltd. - Unit 2, 25/D, 1 st Phase, Kumbalgodu Industrial Area, Mysore Road, Bangalore, Karnataka-560074	4/4/2019	<ul style="list-style-type: none"> • CETP is complying with prescribed discharge standards for monitored parameters. • CETP is receiving effluent from industrial units such as pharmaceutical, Textile, Food & Beverages etc (91 units). • No proper Hazardous waste storage facility is present within plant premises. • The CETP has valid Consents & Authorization has expired on 20.04.2018 	<ul style="list-style-type: none"> • CETP should obtain valid HW Authorization within two month. • Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

			<ul style="list-style-type: none"> and applied for renewal. It treats around 30 KLD of effluent as against the designed capacity of 40 KLD. Inlet to CETP standards is prescribed. OCEMS are installed and connected to CPCB server. 	within two month.
5.	M/s Govind Solvents Pvt. Ltd., No 19 (P) - 22, Kunigal Industrial Area, Kallanayakana Village, HuttaridurgaHobli, Tumkur, Karnataka	10/4/2019	<ul style="list-style-type: none"> CETP is complying with prescribed discharge standards for monitored parameters. CETP is receiving effluent from industrial units such as Pharmaceutical, Textile, Electroplating, TSDF leachate etc (58 units). The CETP has valid Consents & Authorization It treats around 64 KLD of effluent as against the designed capacity of 75 KLD (LTDS-50 KLD and HTDS 25 KLD). Inlet to CETP standards is not prescribed. OCEMS are installed. Flow meter is not connected CPCB server. The Hazardous waste collection storage shed is not provided with storage collection pit. 	<ul style="list-style-type: none"> Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month. KSPCB should prescribe inlet standards to CETP within one month. CETP should provide OCEMS connectivity to CPCB server within one month.
6.	M/s C.E.T. Plant Malur Pvt Ltd Plot No. 64 & 65, KIADB Industrial Area, Malur, Kolar, Karnataka	3/4/2019	<ul style="list-style-type: none"> CETP is not complying with prescribed discharge limits w.r.t cyanide and lead. CETP is receiving effluent from industrial units such as Engineering, Herbal extract, Food processing, Dyeing, Distilleries etc (35 units). The CETP has valid Consents & Authorization It treats around 85 KLD of effluent as against the designed capacity of 140 KLD. Inlet to CETP standards is prescribed. OCEMS are installed and connected to CPCB. 	<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. Sludge should be managed as per the provisions under the

			<ul style="list-style-type: none"> Hazardous waste is not stored properly. 	<p>Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month.</p> <ul style="list-style-type: none"> KSPCB should prescribe inlet standards to CETP within one month.
7.	M/s Bangalore Eco Park Pvt Ltd, Plot No. 2968, Sompura 1 st stage, Nidavanda, Nelamangala, Dobaspet I phase Industrial Area, Bangalore Rural- 562132, Karnataka	8/4/2019	<ul style="list-style-type: none"> CETP is not complying with prescribed discharge limits w.r.t ammonical nitrogen, BOD, COD and Chromium as per EPA. CETP is receiving effluent from industrial units such as Pharmaceutical, Plating, Machine manufacturing etc (47 units). The CETP has valid Consents & Authorization. It treats 100 KLD of effluent against the design capacity of 140 KLD. Inlet and outlet to CETP standards are not prescribed. Higher level of ammonical nitrogen (834 mg/l) is observed. OCEMS are not installed but not connected to CPCB. Evaporation residue is stored within the CETP and other hazardous waste is stored in open area. 	<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. Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month. KSPCB should prescribe inlet and outlet standards to CETP within one month. KSPCB should direct individual member industries to comply with prescribed standards immediately. CETP should install

				OCEMS and provide connectivity to CPCB server within one month.
8.	M/s Eco green solution system (p) Ltd, 48/ a4 KIADB Indl area Veerapura post Doddaballapur, Bengaluru, Karnataka-561203	2/4/2019	<ul style="list-style-type: none"> • CETP is complying with prescribed discharge standards for monitored parameters. • CETP is receiving effluent from industrial units such as Metal finishing, Electroplating, Pharmaceutical, Textile etc (457 units). • The CETP has valid Consents & Authorization. • It treats around 60 KLD to 70 KLD of effluent as against the designed capacity of 100 KLD. • Inlet to CETP standards is prescribed. • OCEMS are installed. (Unit is registered with CPCB for incinerator). • Improper Storage of salt and sludge is observed. 	<ul style="list-style-type: none"> • Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month. • KSPCB should prescribe inlet standards to CETP within one month.
9.	M/s Fish Meal and oil Manufacturers Association Sea road, Kotepura, Ullal Mangalore, Dakshina Kannada Dist., Karnataka	27/3/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t BOD and COD. • CETP is receiving effluent from Fish meal and oil manufacturing units (14 units). • The CETP has valid Consents & Authorization. • It treats around 200 KLD of effluent as against the designed capacity of 600 KLD. • Inlet to CETP standards is prescribed but CETP is not meeting prescribed standards w.r.t BOD and COD. • OCEMS are installed and connected to CPCB servers. • Installed flow meter was not working. 	<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. • KSPCB should direct individual member industries to comply with prescribed standards immediately. • CETP should maintain

				proper functioning of flow meter.
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9.	CETP-Fish Meal and Oil, Karnataka	7.2		19	2.59	-	0.94	-	-	101.2	434	6.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Standard prescribed	6-9	-	100	10	-	15	-	-	100	250	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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