

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

The Chairman

Kerala State Pollution Control Board

Plamoodu Jn., Pattom Palace,

Trivandrum 695004,

Kerala

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 8 CETP located in Kerala during 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. In case of non-complying CETPs, action as deemed fit including levying of environmental compensation may be taken.
3. CETPs should be directed to take action as per the recommendations provided at **Annexure-I** within stipulated time frame.
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 (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 Kerala 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 Rubber Park India Private Limited, CETP, 2A, Kaudileeyam, Rubber Park, Valayanchirangara, Ernakulam-683556, Kerala	11/4/2019	<ul style="list-style-type: none"> CETP is complying with prescribed discharge limits for monitored parameters. The CETP is receiving effluent from Rubber and Wood based industries (14 units). The CETP has valid Consents & Authorization. It treats around 230 KLD of effluent as against the designed capacity of 250 KLD. Inlet to CETP standards is not prescribed. OCEMS are installed and not connected to CPCB. 	<ul style="list-style-type: none"> The Kerala PCB should prescribe inlet norms within one month. CETP should provide OCEMS connectivity to CPCB server within one month.
2.	M/s Cochin Special Economic Zone Common Effluent Treatment Plant, KakkanadCochin, Kerala-682 037	11/4/2019	<ul style="list-style-type: none"> CETP is not complying with prescribed discharge limits w.r.t BOD, TDS, sulphide, sulphate and ammonia. The CETP is receiving effluent from industrial units such as Marine Food Processing, Software, Tea, Coir etc (114 units). The CETP has valid Consents & Authorization. It treats around 1.2 MLD of effluent as against the designed capacity of 1.6 MLD. Inlet to CETP standards is not prescribed. OCEMS installation is under process. 	<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. Kerala PCB should prescribe inlet standards to CETP within one month. CETP should install OCEMS and provide connectivity to CPCB server within one month.
3.	M/s CETP in Sea Food Park	11/4/2019	<ul style="list-style-type: none"> CETP is complying with prescribed discharge limits 	<ul style="list-style-type: none"> KERALA PCB should

Annexure-II

Monitoring Characteristics of treated effluent being discharged from Common Effluent Treatment Plants in Kerala

Sl. No.	Name of CETP	pH	TK N	TSS	O & G	TDS/ FDS	F	S	SO ₄	BO D	COD	NH ₄ -N	Phenol	NO ₃ -N	P	Cl	CN	TRC	B	Fe	Mn	Cr	Cd	Cu	Pb	Ni	As	Hg	Zn	
1.	CETP- Rubber Park India, Kerala	7.66	-	6	2.3	-	-	-	-	8	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Standard prescribed	6.5-8.5	-	100	10	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.	CETP-Cochin SEZ, Kakkannad, Kerala	7.83	-	78	2.7	2352	BDL	3	1005	43	230	57	-	-	-	364	-	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-	0.5
	Standard prescribed	6.5-8.5	-	100	10.0	2100	2.0	2.8	1000	30	250	50	-	-	-	1000	-	-	-	-	-	2	1	3	0.1	3	0.2	-	5	
3.	CETP- Sea Food Park (India) Ltd., Kerala	6.87	-	16	4	-	-	-	-	16	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Standard prescribed	6.5-8.5	-	100	10	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.	CETP-Kinfra Apparel Park, Kerala	6.5	-	202	-	-	-	-	15	105	207	28	-	-	-	204	-	-	-	-	1.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
	Standard prescribed	5.5-9	-	100	10	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BDL	
5.	CETP-Kinfra Textile Centre, Kerala	ZLD																												
6.	CETP- Kinfra Techno Industrial Park, Kerala	7.34	-	7	4	-	-	-	-	8	47	-	-	-	-	-	-	-	-	-	-	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Standard prescribed	5.5-9	-	100	10	-	-	-	-	30	250	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-	-	-	-	-	-

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