

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

**The Chairman**

Maharashtra Pollution Control Board,  
Kalpataru Points, 3-4th floors,  
Opp. Cine Planet, Sion Circle Sion (E),  
Mumbai-400 022

**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 24 CETP located in Maharashtra during March-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, MPCB is hereby directed to take appropriate action for compliance of the following directions:

1. MPCB 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 (West),  
Central Pollution Control Board  
Parivesh Bhawan,  
Opp. VMC Ward Office No. 10,  
Subhanpura,  
Vadodara-390023 (Gujarat)

: 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 Maharashtra 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 Tarapur Environment Protection Society, Plot No. AM-29/Pt, Nr. Shivaji Nagar, MIDC Tarapur, Dist. /Thane-401506	13/3/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD, COD, TSS, FDS, TKN, ammonium-nitrogen, phenols, Chloride.</li> <li>• CETP is receiving effluent from industrial units such as Bulk Drugs, Pharmaceuticals, Engineering and Food Processing etc (1175 units).</li> <li>• The CETP has been operated without Consents since 2017. CETP has reportedly applied for renewal of CCA; however MPCB has refused CCA twice.</li> <li>• CETP receives effluent of 27 MLD as against the designed capacity of 25 MLD. Excess wastewater received is bypassed directly to outlet.</li> <li>• By-passing was observed and aerators were not operational.</li> <li>• Inlet to CETP standards is prescribed but not meeting for NH<sub>3</sub>-N and Phenols.</li> <li>• OCEMS are installed and connected to CPCB server.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation and augmentation 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 CCA within two month.</li> <li>• CETP should not be permitted to receive effluent more than the designed capacity.</li> <li>• MPCB should direct individual member industries to comply with prescribed standards immediately.</li> </ul>

2.	M/s L. K. Akiwate Industrial Co Op. Estate Ltd., (CETP) Jaysingpur Akiwate Udyam nagar, A/p- Udgaon, Tal. Shirol, Dist.- Kolhapur	10/4/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t TSS, FDS, COD, BOD, Chloride and Sulphide.</li> <li>• CETP is for Textile units (4 units).</li> <li>• CETP CCA expired and applied for renewal.</li> <li>• CETP receives effluent of 350 to 400 KLD as against the designed capacity of 800 KLD.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are installed but not connected to CPCB.</li> <li>• By passing facility is provided.</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 CCA within two month.</li> <li>• CETP should immediately remove by passing facility.</li> <li>• The CETP should provide OCEMS connectivity to CPCB server within one month.</li> </ul>
3.	M/s CETP, Plot No. AM-8, MIDC Akkalkot Road, Dist.- Solapur	9/4/16	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t COD, FDS and TSS.</li> <li>• CETP is receiving effluent from industrial units such as Textile, Engineering, Pharmaceuticals, Chemicals and Foundries etc (71 units).</li> <li>• CETP Consents expired on 31.12.2016 and applied for renewal. MPCB has refused renewal of CCA being non-compliant w.r.t. directions and show cause notices issued from time to time to CETP by MPCB.</li> <li>• The CETP was found operational during the visit without valid Consents.</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 CCA within two month.</li> <li>• Sludge should be managed as per the provisions under the</li> </ul>

			<ul style="list-style-type: none"> <li>• CETP receives effluent of 1.50 MLD as against the designed capacity of 3 MLD.</li> <li>• CETP is discharging final treated effluent into the 'nala' (drain) outside the CETP premises. However, as per old CC&amp;A's condition CETP should discharge its treated effluent on land for irrigation. Hence, CETP is not complying condition prescribed for /disposal of effluent.</li> <li>• CETP has not maintained any records of sludge generation and disposal. CETP doesn't have valid membership of CHWTSDF for disposal of sludge (i.e. HW).</li> <li>• Inlet to CETP standards is prescribed</li> <li>• OCEMS are not installed.</li> </ul>	<p>Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month.</p> <ul style="list-style-type: none"> <li>• CETP should install OCEMS and provide connectivity to CPCB server within one month.</li> </ul>
4.	M/s Ichalkaranji Textile Development Cluster Ltd. (12 MLD), S.No. 610, Near Leprosy Colony, Ring road, Ichalkaranji, Tal. Hatkanangale, Dist. Kolhapur	11/4/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t COD, FDS and TSS.</li> <li>• CETP is for Textile units (67 units).</li> <li>• The CETP has valid Consents &amp; Authorization.</li> <li>• CETP receives 3.8 -8.9 MLD of effluent as against the designed capacity of 12 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. BOD and COD.</li> <li>• The OCEMS are installed but not connected to CPCB.</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>• MPCB should direct individual member industries to comply with prescribed standards immediately.</li> <li>• CETP should provide OCEMS connectivity to CPCB server within one</li> </ul>

				month.
5.	M/s Ichalkaranji Textile Development Cluster, Shri Laxmi Co-operative Industrial Estate, Phase-I, Sector-B, Plot No.- 7 to 10, Hatkanangale, Dist. Kolhapur	10/4/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t TSS, FDS, BOD, SO<sub>4</sub><sup>-2</sup>, F- and S<sup>-2</sup>.</li> <li>• CETP is for Textile units (3 units).</li> <li>• CETP CCA expired and applied for renewal.</li> <li>• The CETP received 0.67 MLD of wastewater as against the designed capacity of 1 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. BOD.</li> <li>• OCEMS are installed but not connected to CPCB.</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 CCA within two month.</li> <li>• MPCB should direct individual member industries to abide with prescribed Inlet to CETP standards immediately.</li> <li>• CETP should provide OCEMS connectivity to CPCB server within one month.</li> </ul>
6.	M/s Kagal Hatkanangale Five Star CETP., User Industries Co-op Society Ltd, Plot No. AM-27, Kagal-Hatkanangale Five Star MIDC, Talandage Tal. Hatkanangale, Dist. Kolhapur.	11/4/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t FDS, BOD and COD.</li> <li>• CETP is for Textile units (6 units).</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• It treats around 4.9 MLD of effluent against the designed capacity of 10 MLD.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are installed but not connected to CPCB.</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 provide OCEMS connectivity to</li> </ul>



				CPCB server within one month.
7.	M/s Ranjangaon CETP MIDC Ranjangaon, Taluka: Shirur, District: Pune Maharashtra	8/5/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t Chloride and FDS.</li> <li>• CETP is receiving effluent from industrial units such as Food processing, Steel plates manufacturing and Plastic mould manufacturing etc (3 units).</li> <li>• CETP has valid Consents &amp; Authorization.</li> <li>• It receives 0.5 MLD of effluent as against the designed capacity of 1.5 MLD.</li> <li>• CETP has only primary treatment.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS installed but not connected to CPCB server.</li> </ul>	<ul style="list-style-type: none"> <li>• CETP should establish all necessary treatment units so as to meet discharge standards. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</li> <li>• CETP should provide OCEMS connectivity to CPCB server within one month.</li> </ul>
8.	M/s Greenfield CET Plant Pvt. Ltd. Plot No.P-17, MIDC Chincholi, Tal- Mohol, Dist- Solapur-413255	10/4/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t Color, TSS, FDS, BOD, NH3, TKN, Phenols, chloride, Sulphates, Fluoride, Boron &amp; Sulphides.</li> <li>• CETP is receiving effluent from industrial units such as Chemical, Pharmaceuticals, textile and Food &amp; Agro etc (26 units).</li> <li>• CETP has valid Consents &amp; Authorization.</li> <li>• It receives 1.1 MLD of effluent as against the designed capacity of 1.5 MLD.</li> <li>• CETP has provided HRTS system for the disposal of treated effluent as per</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 properly calibrate and maintain the OCEMS within one month.</li> </ul>

			<p>CC&amp;A.</p> <ul style="list-style-type: none"> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are provided and connected to CPCB server. The online monitored values differ significantly from the analysis results of CPCB laboratory. This might be because of improper calibration of the analyzers.</li> </ul>	
9.	M/s Kurkumbh Enviro Protection Co- Op. Society Ltd., (CETP), Plot No. -AM-4, Kurkumbh MIDC, Tal.Daund, Dist. Pune, Maharashtra	15/3/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t COD.</li> <li>• CETP is receiving mixed effluent (69 units).</li> <li>• CETP Consents expired on 18.09.2017 and applied for renewal.</li> <li>• It receives 1.8 MLD of effluent as against the designed capacity of 1.8 MLD.</li> <li>• The unit is discharging the treated wastewater on land within the premises for plantation as well as forest lands. Ground water monitored or soil monitored record was not available with the CETP as required as per the MoEF&amp;CC notification no. S.O. 4(E) dated 01.01.2016.</li> <li>• The hazardous waste storage shed is inadequate to ensure sludge protection during rain and devoid of leachate collection facility.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are installed but not connected to CPCB server. The analytical results vary significantly from the OCEMS results.</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 CCA within two month.</li> <li>• Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two month.</li> <li>• CETP should provide OCEMS connectivity to CPCB server within one month and calibrate it properly.</li> </ul>
10.	M/s MMA CETP Co- Op.	9/4/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t. TSS, COD,</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of</li> </ul>

	Society Ltd., (CETP), P- 43, MIDC Industrial area, Mahad, Dist. Raigad, Maharashtra		<p>NH3-N and TKN.</p> <ul style="list-style-type: none"> <li>• CETP is receiving effluent from industrial units such as Chemical, Pharmaceuticals and Agro-Pesticides etc (159 units).</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• The plant receives 6.5 MLD of effluent. The capacity is 7.5 MLD of industrial effluent and 3.5 KLD of domestic effluent as per consents.</li> <li>• Leakages in gland of pumps in Sand filter area were observed which goes to nearby open land followed by a concreted channel.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are provided but not connected to CPCB server .The analytical results vary significantly from the OCEMS results. Calibration and maintenance issues exist in OCEMS.</li> </ul>	<p>CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</p> <ul style="list-style-type: none"> <li>• CETP should remove by-passing facility immediately.</li> <li>• CETP should provide OCEMS connectivity to CPCB server within one month and calibrate it properly.</li> </ul>
11.	M/s Hydroair Tectonics (PCD) Ltd. Plot No. 07, Talegaon Industrial Area Tal.-Maval, Dist. - Pune Maharashtra	8/5/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t phosphate.</li> <li>• CETP is for Automobile units (1 units).</li> <li>• The CETP Consents expired on 31.11.2018 and applied for renewal.</li> <li>• The CETP is operational without valid Consents.</li> <li>• At present CETP receives 0.5 - 1 MLD whereas the designed capacity is 4 MLD.</li> <li>• Validity of membership of CETP for disposal of sludge to CHWTSDF is expired on 10/07/2018 and CETP has not applied for renewal of membership.</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 CCA within two month.</li> <li>• CETP should obtain</li> </ul>

			<ul style="list-style-type: none"> <li>Reportedly, CETP has not disposed CETP sludge to CHW/TSDF since the commissioning of CETP and all the sludge is stored in sludge drying beds and storage shed.</li> <li>Inlet to CETP standards is prescribed.</li> <li>OCEMS are not installed.</li> </ul>	<p>membership for sludge disposal to CHW/TSDF and sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two months.</p> <ul style="list-style-type: none"> <li>CETP should install OCEMS and provide connectivity to CPCB server within one month.</li> </ul>
12.	M/s Dombivali CETP (Chemical) (Phase-II), Dombivali, Dist Thane	11/3/19	<ul style="list-style-type: none"> <li>CETP is <b>not complying</b> with prescribed discharge limits w.r.t FDS, BOD, COD, NH3-N, TKN, Chloride, cyanide, Sulphate.</li> <li>The CETP has valid Consents and Authorization.</li> <li>The plant receives 0.375 MLD of effluent as against 1.5 MLD of designed capacity.</li> <li>Inlet to CETP standards 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 of CETP so as to meet discharge standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four months.</li> </ul>

13.	M/s Dombivali Better Environment System Association (Dbesa), Dombivali, Dist Thane	11/3/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t TSS, FDS, BOD, COD, TKN, Ammonical Nitrogen, Chloride, Sulphate, Manganese and Iron.</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• The plant receives 15.3 MLD of effluent as against 16 MLD of designed capacity.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• The flow meter installed at the inlet was not working properly and showing wide variations in spontaneous readings.</li> <li>• OCEMS are installed and 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> </ul>
14.	M/S Chikhloli-Morivali Effluent Treatment, Ambernath	12/3/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t TSS, FDS, BOD, COD.</li> <li>• The CETP has valid Consents &amp; Authorization.</li> <li>• The plant treats 200 KLD of effluent as against 800 KLD of designed capacity.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are installed but was not operational for pH and BOD.</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 calibrate and maintain OCEMS.</li> </ul>
15.	M/S ACMA - CETP-Co-Operative Society Ltd, Ambernath	12/3/19	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t . TSS, FDS, BOD, COD, NH3-N, TKN, Phenols, Chloride, Sulphate, cyanide, Cu, Mn and Fe.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter</li> </ul>

			<ul style="list-style-type: none"> <li>• The CETP has valid Consents &amp; Authorization.</li> <li>• The plant receives 160KLD of effluent as against 250KLD of designed capacity.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS was under maintenance for replacement of new sensors on the day of visit.</li> </ul>	<p>performance evaluation study of CETP is to be conducted through Government institution within four month.</p> <ul style="list-style-type: none"> <li>• CETP should replace sensors of OCEMS to make it operational.</li> </ul>
16.	M/s Badalapur Common Effluent Treatment Plant Association, Plot no. OS-4, MIDC Badalapur (E) - 421503, Dist: Thane, Maharashtra	2/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t ammonical nitrogen, FDS, BOD, COD, Chloride and Phenol.</li> <li>• CETP is receiving effluent from Chemical and Textile industries (276 units).</li> <li>• The CETP has valid Consents &amp; Authorization.</li> <li>• It receives 7.5 MLD as against the designed capacity of 8 MLD.</li> <li>• Inlet to CETP standards is not complying w.r.t. ammonical nitrogen.</li> <li>• OCEMS installed but not 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>• MPCB should direct individual member industries to comply with prescribed standards.</li> <li>• CETP should provide connectivity of OCEMS to CPCB server.</li> </ul>
17.	M/s Taloja CETP Co-op. Soc. Ltd., Plot no. P-24 & G-8, Taloja MIDC, Tal:Panvel, Dist: Raighad, Maharashtra	2/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t TSS, COD, BOD, NH3-N, TKN, Phenol, Sulphide and Cr+6.</li> <li>• CETP is receiving effluent industrial units such as Chemical, Pharmaceutical, Dye &amp; Dye intermediates, and Engineering and</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</li> </ul>

			<p>allied etc (974 units).</p> <ul style="list-style-type: none"> <li>• The CETP does not have valid Consents and Authorization.</li> <li>• It receives 12 MLD and designed for 22.5 MLD of effluent.</li> <li>• The CETP has not provided flow meters at common inlet and final outlet of CETP.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS sensors have been non-operational since November 2018 and data is not connected to CPCB.</li> </ul>	<p>Government institution within four month.</p> <ul style="list-style-type: none"> <li>• CETP should obtain valid CCA.</li> <li>• CETP should install OCEMS and provide connectivity to CPCB server.</li> </ul>
18.	M/s Common Effluent Treatment Plant, (Thane-Belapur) Association, PlotNo. P-18 & 60, MIDC Khairane, Thane-Belapur Road, Navi Mumbai - 400710, Maharashtra	2/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t COD and ammonia nitrogen.</li> <li>• CETP is receiving effluent industrial units such as Chemical, Bulk drugs Pharmaceutical, Dye &amp; Dye intermediates, Textile, petrochemical and engineering and allied etc (2563 units).</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• The CETP treats 25 MLD of effluent against the designed capacity of 27 MLD.</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are provided and 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> </ul>

19.	M/s. SMS Waluj CETP Private Limited Plot No. Q-1, Part I & II and Q-2, MIDC Waluj, Dist. Aurangabad	9/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t FDS, NH<sub>3</sub>-N, TKN, Cl<sup>-</sup> and PO<sub>4</sub>-P.</li> <li>• CETP is receiving effluent industrial units such as Automobile, Pharmaceutical, Engineering and Breweries etc (267 units).</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• It treats 4.5 MLD of effluent as against the designed capacity of 10 MLD.</li> <li>• Inlet to CETP standards is prescribed but influent to CETP is exceeding the standard w.r.t ammonia nitrogen as prescribed by MPCB.</li> <li>• OCEMS are provided and 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>• MPCB should direct individual member industries to comply with prescribed standards.</li> </ul>
20.	M/s LoteParshuram Environment Protection Co-op. Society, P-30, MIDC  LoteParshuram, Tal: Khed, Dist: Ratnagiri, Maharashtra	13/3/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed discharge limits w.r.t BOD, COD, NH<sub>3</sub>-N and TKN.</li> <li>• CETP is receiving effluent industrial units such as Chemical, Pharmaceutical, Pesticides, Cosmetics etc (70 units).</li> <li>• The CETP has valid Consents and Authorization</li> <li>• It treats 2.8-3 MLD of effluent as against the designed capacity of 10 MLD</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are provided and 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> </ul>
21.	M/s Common Effluent Treatment Plant (Textile)	9/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed reuse limits w.r.t COD</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of</li> </ul>



	Park), Additional Amravati Industrial Area, MIDC Nandgaonpeth, Amravati, Maharashtra		<p>and Oil &amp; Grease.</p> <ul style="list-style-type: none"> <li>• CETP is for Textile units (5 units).</li> <li>• The CETP has valid Consents and Authorization</li> <li>• It treats 1.6 MLD non-dye bath and 0.08 MLD dye bath effluent of textile units against the designed capacity of 5.0 MLD and consented capacity of 3.2 MLD with ZLD condition and 1.8 MLD for disposal to Soil Sand High Efficiency Hybrid System (SSHEHS).</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are provided and connected to CPCB server.</li> </ul>	CETP so as to meet discharge standards immediately.
22.	M/s Butibori CETP Pvt. Ltd., Common Effluent Treatment Plant, P-13, MIDC, Butibori, Dist.-Nagpur	10/5/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed reuse limits w.r.t BOD, COD and Fluoride.</li> <li>• CETP is receiving effluent from industrial units such as Textile, Chemical, Food processing and others (440 units).</li> <li>• The CETP has valid Consents and Authorization.</li> <li>• It treats 4.47 MLD of effluent as against the designed capacity of 5 MLD</li> <li>• Inlet CETP standards is prescribed.</li> <li>• OCEMS are provided and 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> </ul>
23.	M/s PRIA-CETP India Ltd., Plot No. P-58, MIDC Industrial Area Patalganga, Tal. Khalapur, Dist. Raigad, Maharashtra.	11/4/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed reuse limits w.r.tCOD, Ammonia-N, TKN.</li> <li>• CETP is receiving effluent from</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CETP so as to meet discharge standards</li> </ul>

			<p>industrial units such as Chemical, Food processing, Dyes and Pharmaceuticals (23 units).</p> <ul style="list-style-type: none"> <li>• The CETP has valid Consents &amp; authorization</li> <li>• It treats 6.5 MLD as against the designed capacity of 15 MLD</li> <li>• By pass provision from the UASB is available</li> <li>• Inlet to CETP standards is prescribed.</li> <li>• OCEMS are installed and connected to CPCB server.</li> </ul>	<p>immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month.</p> <ul style="list-style-type: none"> <li>• CETP should remove by- passing facility.</li> </ul>
24.	M/s RIA-CETP Co Op Soc Ltd.,Plot No. W-06, MIDC Dhatav, Roha, Raigad, Maharashtra.	12/4/2019	<ul style="list-style-type: none"> <li>• CETP is <b>not complying</b> with prescribed reuse limits w.r.t.TSS, FDS, COD, BOD and Ammonia-N .</li> <li>• CETP is receiving effluent from industrial units such as Chemical, Food processing and Dyes (40 units).</li> <li>• The CETP has valid Consents &amp; authorization</li> <li>• It treats 13 MLD of effluent as against the designed capacity of 22.5 MLD</li> <li>• Hazardous waste sludge is dumped unscientifically.</li> <li>• Inlet to CETP standards is not complying w.r.t NH3-N</li> <li>• OCEMS are installed and connected to CETP server whereas no proper calibration is carried out.</li> <li>• The out let effluent of CETP is exceeding the standard w.r.t TSS, FDS, COD, BOD and Ammonia-N as prescribed by MPCB.</li> </ul>	<ul style="list-style-type: none"> <li>• The operator shall improve operation of CEIP 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>• MPCB should direct individual member industries to comply with prescribed standards.</li> <li>• Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.</li> </ul>

**Annexure-II**

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

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>2</sub> -N	P	Cl	CN	TRC	B	Fe	Mn	Cr	Cd	Cu	Pb	Ni	As	Hg	Zn	
1.	CETP-Tarapur Environment Protection Society, Maharashtra	6.48	443	174	9.4	10432	-	-	-	1490	3811	337	20.5	-	-	4532	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Standard prescribed	6-9	50	100	10	2100	-	-	-	100	250	50	2	-	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.	CETP-L. K. Akiwate Industrial Co Op. Estate Ltd., Maharashtra	6.02	23.42	176	2.2	3664	1.9	11.6	43.4	1068	1714	16.5	0.28	6.53	2.12	1263	0.20	-	-	5.06	-	0.20	BDL	0.05	BDL	BDL	-	-	-	
	Standard prescribed	6-9	50	100	10	2100	2.0	2	1000	30	250	50	1	10	5	600	2	-	-	3	-	0.1	0.05	3	0.1	3	-	-	-	
3.	CETP- MIDC Akkalkot Road, Maharashtra	7.51	48	112	-	6952	-	0.88	1076	23.3	356	32.6	0.082	-	-	2695	-	-	-	1.15	-	BDL	BDL	BDL	0.05	BDL	-	-	BDL	
	Standard prescribed	6-9	50	100	10	2100	2.0	2.0	1000	30	250	50	1.0	-	-	1000	-	-	-	NS	-	2	1	3	1	3	-	-	15	
4.	CETP- Ichalkaranji (12 M LD), Maharashtra	7.8	20	148	-	2349	1.6	1.83	799	26	237	10.1	0.07	0.68	0.76	1195	0.07	-	-	3.14	-	BDL	BDL	BDL	BDL	BDL	-	-	0.14	
	Standard prescribed	6-9	50	100	10	2100	1.0	2	1000	30	250	50	1.0	10	5	1000	0.2	-	-	3	-	0.1	0.05	3	0.1	3	-	-	15	
5.	CETP- Ichalkaranji, Maharashtra	7.73	14.53	152	7.0	4860	2.4	2.2	1251	61	206	8.5	0.08	1.03	0.65	622	0.14	-	-	3.45	-	BDL	-	BDL	BDL	BDL	-	-	0.03	
	Standard prescribed	6-9	50	100	10	2100	2.0	2	1000	30	250	50	1.0	10	5	1000	0.2	-	-	3	-	0.1	-	3	0.1	3	-	-	15	
6.	CETP-Kagni Hatkananale Five, Maharashtra	7.91	19.37	80	4.9	4044	1.8	BDL	837	43	266	13.7	0.10	6.09	0.50	1098	0.12	-	-	2.07	-	0.001	BDL	0.06	BDL	0.058	-	-	0.05	
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	1.0	10	5	1000	0.2	-	-	3	-	0.1	0.05	3	0.1	3	-	-	15	
7.	CETP- Ranjanraon, Maharashtra	7.77	46	46	2.2	2656	-	-	328	14	77	30	0.09	0.644	24.9	1673	0.03	-	-	0.51 4	-	0.532	BDL	0.16	BDL	1.043	-	-	0.05	
	Standard prescribed	6-9	NS	100	10	-	2	-	600	100	250	NS	NS	10	-	600	0.2	-	-	NS	NS	NS	NS	NS	NS	NS	-	-	NS	

8.	CETP-Green field CET Plant Pvt. Ltd. Maharashtra	8.23	<u>32</u>	<u>144</u>	6.2	<u>4428</u>	1.7	<u>26</u>	<u>612</u>	<u>36</u>	228	<u>22.2</u>	<u>0.957</u>	-	<u>0.61</u>	<u>2040</u>	0.12	-	<u>0.537</u>	0.66	-	BDL	BDL	BDL	BDL	BDL	-	-	0.08
	Standard prescribed	5.5-9	Nil	100	10	2100	Nil	Nil	600	30	250	Nil	Nil	-	-	600	0.2	-	Nil	NS	-	2	1	3	1	3	-	-	15
9.	CETP-Kurkumbh Enviro, Maharashtra	6.5	74.4	38	-	2042	1.57	-	-	54	410	24.6	0.52	-	-	-	-	-	0.98	0.34	0.192	BDL	BDL	0.25	BDL	BDL	-	-	BDL
	Standard prescribed	5.5-9	100	100	10	2100	2	-	-	100	250	50	1	-	-	-	-	-	2	-	-	2	0.1	3	0.1	3	-	-	5
10.	CETP-MMA CETP Co- Op. Society Ltd., Maharashtra	7.18	227	140	8.1	5996	3.50	2.3	1868	46	559	263	0.308	-	1.05	-	0.18	-	-	0.43	-	BDL	BDL	0.198	0.06	BDL	-	-	0.07
	Standard prescribed	5.5-9	100	100	20	-	15	5	-	100	250	50	5	-	-	-	-	-	Nil	-	-	0.1	1	3	0.1	3	-	-	15
11.	CETP-Hydroair Tectonics (PCD) Ltd. Maharashtra	7.17	14	44	7.4	471	-	-	17.4	24	210	8.1	0.639	0.309	22.97	121	BDL	-	-	1.364	-	BDL	BDL	BDL	BDL	0.54	-	-	0.50
	Standard prescribed	6.0-9	50	100	10	2100	Nil	-	1000	30	250	50	1	50	5	600	0.2	-	2	3	-	0.1	0.05	3	0.1	3	-	-	5
12.	CETP-DOMBIVALI (PHASE-II), Maharashtra	7	65	<u>138</u>	2.8	<u>5396</u>	<u>8.9</u> <u>2</u>	0.31	<u>1663</u>	<u>123</u>	<u>265</u>	<u>54</u>	0.114	19.27	0.703	<u>1712</u>	0.09	-	-	2.845	0.26	BDL	BDL	BDL	0.04	0.05	-	-	0.093
	Standard prescribed	6-9	50	100	10	2100	2	2	1000	30	250	50	1	10	5	1000	0.2	-	-	3	2	0.1	0.05	3	0.1	3	-	-	5
13.	CETP-DBESA, Maharashtra	6.23	-	<u>106</u>	7.4	<u>6222</u>	3.3	0.18	<u>1409</u>	<u>92</u>	<u>381</u>	<u>149</u>	0.518	3.7	BDL	<u>2642</u>	0.08	-	-	<u>9.57</u> <u>2</u>	0.832	0.007	BDL	BDL	0.01	0.05	-	-	0.35
	Standard prescribed	6-9	Nil	100	10	2100	2	2	1000	30	250	50	1	10	5	1000	0.2	-	-	3	2	0.1	0.05	3	0.1	3	-	-	5
14.	CETP-CHIKHOLI-MORIVALI EFFLUENT TREATMENT, Maharashtra	7.43		<u>102</u>	2.4	<u>2140</u>	0.09	-	-	<u>38</u>	175	-	-	-	-	-	-	-	-	-	-	0.05	BDL	0.257	BDL	BDL	-	-	5
	Standard prescribed	6-9	Nil	100	10	-	2	-	-	30	250	-	-	-	-	-	-	-	2	-	-	0.1	0.05	3	0.1	3	-	-	5
15.	CETP-ACMA - CETP-CO-OPERATIVE, Maharashtra	7.17	<u>1701</u>	60	5.9	<u>2571</u>	<u>2.1</u> <u>6</u>	0.06	1605	<u>10.3</u>	<u>193</u>	1604	0.065	17.32	0.4462	2030	0.06	-	-	2.101	0.2	0.03	BDL	<u>19.7</u>	BDL	BDL	-	-	0.34
	Standard prescribed	6-9	50	100	10	2100	2	0.2	1000	30	250	50	1.0	10	5.0	1000	0.2	-	2	3	-	0.1	0.05	3	0.1	3	0.2	0.01	5
16.	CETP-Badalapur Association, Maharashtra	7.34	<u>165</u>	98	8.8	<u>7304</u>	1.83	<u>2.9</u>	777	<u>534</u>	<u>1274</u>	<u>140</u>	<u>3.04</u>	0.485	BDL	<u>3009</u>	0.14	-	-	2.75	-	BDL	BDL	0.06	0.1	0.166	-	-	0.12

	Standard prescribed	6-9	50	100	10	2100	2	2	1000	100	250	50	1	10	10	1000	0.2	-	-	3	-	0.1	0.05	3	0.1	3	-	-	5
17.	CETP-Taloja, Co-op. Soc. Ltd., Maharashtra	7.07	286	278	6.4	4006	5.31	71.9	457	686	1717	241	2.83	0.22	2.90	1419	0.19	-	1.72	14.74	-	BDL	BDL	BDL	0.1	BDL	-	-	0.14
	Standard prescribed	6-9	50	100	10	NS	15	5	NS	100	250	50	5	50	NS	NS	0.2	-	NS	3	-	0.1	0.05	3	0	3	-	-	15
18.	CETP-Thane-Belapur, Maharashtra	6.66	78	43	4.4	2890	2.45	0.41	-	92	327	65	0.243	-	-	-	0.1	-	1.32	2.09	-	BDL	BDL	BDL	0.07	0.159	-	-	8.16
	Standard prescribed	5.5-9	100	100	20	NS	15	5	-	100	250	50	5	-	-	-	0.2	-	2	NS	-	0.1	2	3	1	5	-	-	15
19.	CETP-SMS Waluj, Maharashtra	7.9	95	78	2.2	2799	-	-	328	20	175	89	0.098	0.644	24.9	1673	0.03	-	-	1.162	-	0.20	BDL	BDL	BDL	0.63	-	-	0.65
	Standard prescribed	6-9	50	100	10	2100	-	-	1000	30	250	50	1	10	5	600	0.2	-	2	3	-	0.1	0.05	3	0.1	3	-	-	5
20.	CETP-Lote Parshuram, Maharashtra	7.51	208	36	3.7	2574	-	-	1727	211	1101	155	2.46	-	-	988	-	-	-	0.95	-	BDL	BDL	BDL	BDL	BDL	-	-	BDL
	Standard prescribed	5.5-9	100	100	20	NS	-	-	NS	100	250	30	5	-	-	NS	-	-	-	NS	-	0.1	2	3	1	5	-	-	15
21.	CETP-Textile Park, Additional Amravati Industrial Area, Maharashtra	7.0	6.0	6.0	3.1	606	0.36	0.82	40	5.0	33	3.0	BDL	0.07	1.1	298	BDL	-	-	0.308	-	BDL	BDL	BDL	BDL	BDL	-	-	BDL
	Standard prescribed	6-9	-	100	0.01	750	2.0	-	-	5	30	-	-	-	-	-	-	-	-	3	-	0.1	0.05	3	0.1	3	-	-	5
22.	CETP-Buribori Maharashtra	7.60	101.3	78	4.7	1974	3.71	-	528	88	318	92.7	0.747	4.29	2.4	396	0.014	-	-	1.674	-	BDL	BDL	0.08	BDL	BDL	-	-	0.07
	Standard prescribed	6-9	-	100	10	2100	2.0	-	1000	30	250	-	1	-	-	1000	0.2	-	-	3.0	-	0.1	0.05	3	0.1	3	-	-	15
23.	CETP-PRIA India Ltd., Maharashtra	7.23	128	92	7.0	1620	2.13	4.6	254	49	468	96.46	0.106	-	0.92	486	0.14	-	-	0.96	-	BDL	BDL	BDL	0.05	BDL	-	-	0.58
	Standard prescribed	5.5-9	100	100	20	2100	15	5	-	100	250	50	5	-	-	-	0.2	-	-	-	-	0.1	2	3	1.0	5	-	-	15
24.	CETP-RIA Co. Op. Soc. Ltd., Maharashtra	7.67	70.41	212	-	6688	2.48	-	1333	41	430	55.14	0.388	14.76	0.80	2550	-	-	-	6.52	-	0.23	0.125	0.735	0.67	BDL	-	-	0.19
	Standard prescribed	5.5-9	100	100	-	2100	15	-	-	30	250	50	5	50	-	-	-	-	-	-	-	0.1	2	3	0.1	5	-	-	15

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