



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

E-mail/Speed post

PJ-14011(11)/18/2022-WQM-II-HO-CPCB-HO

Dated: 02.01.2023

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To,

Member Secretary  
Haryana State Pollution Control Board,  
C-11, Sector-6, Panchkula, Haryana - 134109

**DIRECTIONS UNDER SECTION 18 (1) (b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 REGARDING AUGMENTATION & UPGRADATION OF CETPs AND DISPLAY OF OCEMS DATA BY CETPs LOCATED IN HARYANA**

**WHEREAS**, the Central Pollution Control Board (CPCB), has delegated powers vested under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to the Member Secretary, Central Pollution Control Board vide its resolution made in 196<sup>th</sup> Board meeting dated 29<sup>th</sup> March, 2022 to issue directions under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to the State Pollution Control Board(s); 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), to provide technical assistance and guidance to SPCBs / PCCs and to promote cleanliness of streams and wells in different areas of the States; and

**WHEREAS**, amongst others, under section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells located in the State and to secure the execution thereof; and

**WHEREAS**, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries, Common Effluent Treatment Plants (CETP) under the Environment (Protection) Act, 1986 and the rules framed there under; and

**WHEREAS**, under the Namami Gange Programme, annual inspection of Grossly Polluting Industries (GPIs) and Common Effluent Treatment Plants (CETP) are carried out by teams of experts from technical institutes and officials from concerned SPCBs/PCC; and

**WHEREAS**, inspection of GPIs and CETPs located in Haryana were undertaken by teams comprising of experts from technical institutes [Indian Institute of Technology(IIT) - Delhi/Jamia Millia Islamia University (JMI)/IIT-Roorkee/Pollution Control Research Institute (PCRI)/Vasantdada Sugar Institute (VSI), Pune / National Environmental Engineering Research Institute (NEERI)/Aligarh Muslim University (AMU)/ Central Pulp & Paper Research Institute (CPPRI)/National Dairy Research Institute (NDRI) Karnal] along with

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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official/s from Haryana State Pollution Control Board (HSPCB) during December, 2021 - March 2022 and the following observations were made w.r.t CETPs:

- A. There are 19 CETPs (total design capacity of 192 MLD) receiving effluent from mixed/heterogeneous industries (comprising of food processing units, pharmaceutical, electroplating, etc), textile and electroplating sectors in Haryana. Out of the 19, 18 CETPs, having total design capacity of 189.5 MLD, were found operational.
- B. The total utilized capacity of the 18 CETPs is 136 MLD; percentage utilization is 72% of the design capacity of the CETPs.
- C. The details of the 18 operational CETPs w.r.t compliance status, percentage utilization of design capacity, inlet & outlet BOD and percentage BOD reduction are given as Annexure I.
- D. Out of 18 operational CETPs, 13 were found complying while five (05) were non-complying w.r.t notified norms for BOD, COD, TSS, Ammonical Nitrogen (analysis report is enclosed herewith at Annexure II).
- E. The utilization capacity of five (05) CETPs is  $\leq 20\%$  of their design capacity; four (04) are utilizing  $\leq 50\%$  of their design capacity while the utilization capacity of two (02) CETPs is  $< 70\%$  of their design capacity. Values at Annexure II.
- F. High influent organic load (BOD:  $>100$  to  $960$  mg/l) was observed in a total of 14 CETPs; in seven (07) CETPs the influent organic load was between  $>100$ mg/l to  $<300$ mg/l while in the remaining seven (07), the influent organic load was between  $>300$ mg/l to  $<1000$ mg/l). In two (02) CETPs, aeration tank was found to be unstabilized (MLVSS  $<1500$  mg/l). Values at Annexure I. Treatment scheme of the CETPs require augmentation for treatment of high influent organic load.
- G. Additionally, mixing of sewage with industrial waste (Influent FC:  $28 \times 10^4$ - $63 \times 10^7$ ) has been reported; there was no adoption of recycle- reuse practices for treated effluent in the CETPs; and in all the CETPs, there was unregulated use of chemicals (coagulant, flocculants etc.) as well.

**AND WHEREAS**, based on the above observations, 12 CETPs out of the 18 operational CETPs require augmentation/upgradation measures to address their shortcomings and enhance their performance. Details of issues w.r.t each individual CETP is placed at Annexure III; and

**WHEREAS**, minutes of the meeting held with technical institutes, NMCG and SPCBs on 01.10.2022 to conclude fifth round of annual inspection (2021-22) and preparedness of sixth round of annual inspection (2022-23) was issued vide office memorandum F.No. 19004/WQM-II/CPCB/TPA/2021-22 dated 18.10.2022. and the following decisions were made w.r.t performance of CETPs:

1. Action plans shall be developed by SPCBs to facilitate 42 CETPs to reduce the pollution load. Technical institutes may be allocated group of CETPs (42) based on location/expertise for technical facilitation in preparation and implementation of individual action plans.
2. OCEMS data of CETPs should be made available in public domain through display in the clusters where CETPs are located.

**AND NOW, THEREFORE**, in view of above observations and in exercise of the power conferred under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act 1974,

you are hereby directed to take appropriate measures for compliance of following directions in a time bound manner:

1. Haryana State Pollution Control Board (HSPCB) shall take necessary action against the non-complying CETPs including levying of environmental compensation following the due procedure.
2. Haryana State Pollution Control Board (HSPCB) shall direct individual CETP operators and the other nodal state agencies like Haryana State Industrial & Infrastructure Development Corporation (HSIIDC), Haryana Shahari Vikas Pradhikaran (HSVP) etc to prepare time bound action plan duly validated by expert technical institutes for the 12 CETPs situated in Haryana (as mentioned in Annexure III). The action plan shall include:
  - a. augmentation of utilization capacity of CETPs so as to operate at design capacity,
  - b. improvement of performance efficiency
  - c. upgradation/installation and operation of adequate treatment facility (biological treatment system) in case of CETPs with incomplete treatment facility,
  - d. other steps to maximize individual CETP performance and minimize non compliance
3. HSPCB shall direct all CETP operators to ensure mandatory display of OCEMS data of each individual CETP in a conspicuous location where CETP clusters are located.
4. HSPCB shall also organize meeting with CETP operators, state agencies like HSIIDC, HSVP and expert technical institutions to facilitate preparation of action plan and its implementation; CPCB may also be invited for participation.

The duly validated action plans of the twelve (12) CETPs shall be submitted to CPCB within 30 days from the date of receipt of the directions.

  
**(PRASHANT GARGAVA)**  
**MEMBER SECRETARY**

**Copy to:**

1	<b>Director General,</b> National Mission for Clean Ganga (MoWR, RD & GR) 1 <sup>st</sup> Floor, Major Dhyan Chand National Stadium India Gate, NEW DELHI – 110002	:	For kind information please.
2.	<b>Additional Secretary</b> <b>(CP-Division),</b> Ministry of Environment Forests & Climate Change Indira Paryavaran Bhawan, Jor Bagh Road,	:	For kind information please.

	NEW DELHI-110 003		
3.	<b>Regional Director,</b> Regional Directorate (Chandigarh), Central Pollution Control Board, BSNL Telephone Exchange, 2nd Floor, Sector 49-C, Chandigarh-160047	:	For kind information please.
✓4.	<b>In-charge, IT Division, CPCB</b>	:	For uploading on CPCB website please
5.	<b>In-charge, WQM-II Division, CPCB</b>	:	For record please

  
**(PRASHANT GARGAVA)**

## ANNEXURE I

SI No.	CETP Details	Compliance Status	Percentage Utilization of Design Capacity	Influent BOD (mg/l)	Outlet BOD (mg/l)	Percentage BOD reduction
1	(SON-CETP-002) IE , Rai, Sonapat	Complying	115	116	16.4	86
2	(PKL-CETP-001) IE , Barwala, Panchkula	Complying	80	84	24	71
3	(AMB-CETP-001) Ambala, Cantt.	Complying	100	240.6	29.4	88
4	(AMB-CETP-002) IDC Saha, Ambala	Complying	55	28.6	8.3	71
5	(SON-CETP-001) IE, Barhi, Sonapat	Non Complying	81	960	99	90
6	(SON-CETP-003) IE , Kundli, Sonapat	Complying	69	420	13	97
7	(SON-CETP-004) IE , Murthal, Sonapat	Complying	7	315	14	96
8	The Executive Engineer, HSVP Division, Sector-29, Part-II, Panipat (21 MLD CETP Phase-I)	Non Complying	93	480	96	80
9	The Executive Engineer, HSVP Division, Sector-29, Part-II, Panipat (21 MLD CETP Phase-II)	Complying	90	248	18	93
10	(GRN-CETP-001) Sec-37, Gurgaon	Complying	33	24	12	50
11	(BHD-CETP-001) IMT, Rohtak (Bahadurgarh)	Complying	37	330	28	92
12	(BHD-CETP-002) IE, HSIIDC, Kutana, Rohtak, (Bahadurgarh)	Non Complying	50	345	240	30
13	(BHD-CETP-003) IE, Sector 16-17, HSIIDC, Bahadurgarh	Non Complying	10	158	32	80
14	(KTH-CETP-001) I. E. Jind	Complying	30	270	21	92
15	(DHR-CETP-001) IMT, Bawal, Rewari (HSIIDC)	Complying	20	282	14	95
16	(BLB-CETP-001) IMT , Faridabad Sec-68 , (Ballabgarh Region)	Complying	81	84	18	79
17	(FBD-CETP-001) Faridabad, Electroplaters Association, Sec-58, Faridabad, (Ballabgarh)	Non Complying	18	485	26	95
18	GRS-CETP-001 Sector-6 IMT Manesar Gurgaon	Complying	89	195	12	94

## ANNEXURE II

Sl No	Name, Address and Contact number of the Unit	Design Capacity (KLD)	Effluent Discharge (KLD)	% utilization	ETP/PETP treatment technology	ETP OUTLET										MLSS and MLVSS	Compliance Status (Complying/ NonComplying/ Temporary Closed/ Permanent Closed)
						pH	Outlet BOD (mg/l)	BOD Load (kg/d)	Outlet COD (mg/l)	Outlet TSS (mg/l)	TDS (mg/l)	FDS (mg/l)	Total Nitrogen (mg/l)	Ammonical Nitrogen (mg/l)	Autonical load		
1	(SON-CETP-002) IE, Rai Sonapat	5000	5750	115	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.65	16.4	94.3	79.8	65	1990	1512	23.4	4.8	27.6	3360 & 2840	Complying
2	(P.L.-CCTP-001) IE, Barwala, Panchkula	500	400	80	Chemical treatment + biological treatment (Extended) + tertiary treatment	6.58	24	9.6	190	12	663	508	13.8	8.5	3.4	Tank -I MLSS - 1224 mg/l, MLVSS - 980 mg/l, Tank-2, MLSS - 1625 mg/l & MLVSS - 1310 mg/l	Complying
3	(AMB-CETP-001) Ambala Cantt	500	500	100	Chemical treatment + biological treatment (PVA gel) + tertiary treatment	6.41	29.4	14.7	205.9	54	816	535	18.7	5.4	2.7	Tank -I MLSS - 997 mg/l, MLVSS - 778 mg/l, Tank-2, MLSS - 833 mg/l & MLVSS - 650 mg/l	Complying
4	(AMB-CETP-002) IDC Saha, Ambala	5000	2740	55	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.25	8.3	22.7	50.4	32	945	628	19.8	9.4	25.8	MLSS - 3182 mg/l, MLVSS - 2342 mg/l	Complying
5	(SON-CETP-001) IE, Barhi, Sonapat	16000	12884.77	81	Chemical Treatment + biological treatment (SBR) + tertiary treatment	7.23	99	1275.6	440	112	2146	-	23.8	11.2	144.3	Tank-I 3566 & 2754 Tank-II 975 & 542 Tank-III 3870 & 2942 Tank-IV 215 & 161	Not Complying
6	(SON-CETP-003) IE, Kundli, Sonapat	4000	2746	69	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.29	13	35.7	124	91	1640	-	32.8	22.6	62.1	3189, 2462	Complying
7	(SON-CETP-004) IE Murthal, Sonapat	2000	140.86	7	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.64	14	2.0	80	68	2159	-	18.1	9.2	1.3	2456 & 1769	Complying
8	The Executive Engineer, HSVP Division, Sector-29, Part-II, Pampat (21 MLD CETP Phase-I)	21000	19600	93	Chemical Treatment + biological treatment (ASP) + tertiary treatment	7.67	96	1881.6	344	92	1855	1024	47	18	352.8	2160, 1312	Not Complying
9	The Executive Engineer, HSVP Division, Sector-29, Part-II, Pampat (21 MLD CETP Phase-II)	21000	19000	90	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.68	18	342.0	88	20	1488	812	15.5	8.5	161.5	2450, 1418	Complying
10	(GRN-CETP-001) Sec-37, Gurgaon	300	100	33	Physico Chemical + Tertiary filtration (DMF+ACF)	7.43	12	1.2	48	12	564	446	5.86	2.84	0.3	-	Complying
11	(BHD-CETP-001) IMT, Rohtak (Bahadurgarh)	10000	3700	37	Chemical treatment + biological treatment + tertiary treatment	7.57	28	103.6	224.2	18	1950	-	-	2.92	10.8	2690, 1980	Complying
12	(BHD-CETP-002) IE, HSIIDC, Kurina, Rohtak (Bahadurgarh)	3000	1500	50	Chemical Treatment + biological treatment + tertiary treatment	7.16	240	360.0	822.5	8	9040	-	-	3.4	5.1	1210, 986	Not Complying
13	(BHD-CETP-003) IE, Sector 16-17, HSIIDC Bahadurgarh	12500	1291	10	Chemical Treatment + biological treatment + tertiary treatment	7.19	32	41.3	180	8	8648	-	-	2.6	3.4	1288, 1010	Not Complying
14	(KTH-CETP-001) E Jind	100	30	30	Chemical treatment + biological treatment + tertiary treatment	7.82	21	0.6	190	36	632	288	28.5	12.6	0.4	NA	Complying
15	(DHR-CETP-001) IMT, Bawal, Rewari (HSIIDC)	22500	4600	20	Chemical treatment + biological treatment + tertiary treatment	7.37	14	64.4	60	66	500	-	-	8.2	37.7	2254 & 1647	Complying
16	(BLB-CETP-001) IMT, Faridabad Sec-68, (Ballabgarh Region)	10500	8500	81	Chemical treatment + biological treatment + tertiary treatment	7.4	18	153.0	172	46	1305	845	22.5	10.1	85.9	2845 & 2114	Complying
17	(FBD-CETP-001) Faridabad, Electroliters Association Sec-58, Faridabad, (Ballabgarh)	650	120	18	Physico Chemical + Tertiary filtration (DMF+ACF)	7.79	26	3.1	232	41	7794	4564	21.4	9.5	1.1	NA	Not Complying
18	GRS-CETP-001 Sector-6 IMT Manesar Gurgaon	55000	49000	89	Chemical treatment + biological treatment (ASP) + tertiary treatment	7.6	12	588.0	60	27	1172	934	28.6	6.8	333.2	AT-I-3975/3032, AT-II-4236/3232, AT-III-2218/1772, AT-IV-1900/1635, AT-V-3613/2290	Complying

## ANNEXURE-III

SI No.	CETP Details	Issues
1	(AMB-CETP-002) IDC Saha, Ambala	% utilization $\leq$ 70% of design capacity,
2	(SON-CETP-003) IE , Kundli, Sonapat	% utilization $\leq$ 70% of design capacity,
3	(SON-CETP-004) IE , Murthal, Sonapat	% utilization $\leq$ 70% of design capacity,
4	(GRN-CETP-001) Sec-37, Gurgaon	% utilization of $\leq$ 70% of design capacity, treatment efficiency of $\leq$ 70% and incomplete/inadequate treatment system.
5	(BHD-CETP-001) IMT, Rohtak (Bahadurgarh)	% utilization $\leq$ 70% of design capacity,
6	(KTH-CETP-001) I. E. Jind	% utilization $\leq$ 70% of design capacity,
7	(DHR-CETP-001) IMT, Bawal, Rewari (HSIIDC)	% utilization $\leq$ 70% of design capacity,
8	(SON-CETP-001) IE, Barhi, Sonapat	Non Complying
9	The Executive Engineer, HSVP Division, Sector-29, Part-II, Panipat (21 MLD CETP Phase-I)	Non Complying
10	(BHD-CETP-002) IE, HSIIDC, Kutana, Rohtak, (Bahadurgarh)	Non Complying
11	(BHD-CETP-003) IE, Sector 16-17, HSIIDC, Bahadurgarh	Non Complying
12	(FBD-CETP-001) Faridabad, Electroplaters Association, Sec-58, Faridabad, (Ballabgarh)	Non Complying