



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 7580

Dated: 02.01.2023

To,

Member Secretary,
Delhi Pollution Control Committee,
Building, 4th & 5th Floor ISBT, GT Karnal Rd,
Kashmere Gate, New Delhi, Delhi 110006

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 DELHI

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 196th Board meeting dated 29th 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, inspections of GPIs and CETPs located in Delhi NCT were undertaken by teams comprising of experts from technical institutes [National Environmental Engineering Research Institute (NEERI)/ Vasantdada Sugar Institute (VSI), Pune/ Guru Gobind Singh Indraprastha University (GGSIU)/ Indian Institute of Technology, Roorkee/ Jamia Millia Islamia University (JMI)/ Pollution Control Research Institute (PCRI)] along with official/s from Delhi Pollution Control Committee (DPCC) during December, 2021 - March 2022 and the following observations were made w.r.t CETPs:

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel: 43102030 22305792 वेबसाइट/Website: www.cpcb.nic.in

- A. There are 13 operational CETPs (total design capacity of 212.33 MLD) receiving effluent from mixed/heterogeneous industrial sectors such as food & dairy processing, textile, electroplating, pharmaceutical formulation etc in Delhi NCT.
- B. The total utilized capacity of the 13 CETPs is 61.27 MLD; percentage utilization is only 29% of the design capacity of the CETPs.
- C. The details of the 13 operational CETPs w.r.t compliance status, percentage utilization of design capacity, inlet & outlet BOD and ETP/PETP treatment technology are given as Annexure I.
- D. Out of 13 operational CETPs, five (05) were found complying while eight (08) were non-complying w.r.t notified norms for BOD, COD, TSS, Ammonical Nitrogen (analysis report is enclosed herewith at Annexure I).
- E. The utilization capacity of five (05) CETPs is $\leq 20\%$ of their design capacity; four (04) are utilizing $\leq 30\%$ of their design capacity, one (01) CETP is utilizing $< 50\%$ of its design capacity and two (02) CETPs are utilizing $< 75\%$ of their total capacity. Values at Annexure I.
- F. Influent organic load i.e. BOD: 100-200 mg/l was observed in six (06) CETPs and all these six (06) CETPs were found non complying w.r.t BOD norms due to incomplete effluent treatment system. In Keshav Puram Industrial Area (KESPIA) CETP, the inlet BOD was 196 mg/l while the outlet BOD was 178 mg/l thus indicating little or no treatment.
- G. A total of 10 CETPs have inadequate/incomplete treatment facility comprising of physico-chemical and tertiary filtration with no biological treatment facility. Additionally, in two (02) CETPs, aeration tank was found to be unstabilized (MLVSS < 1500 mg/l). Thus the treatment scheme is inadequate for treatment of high influent organic load.
- H. Additionally, in all 13 CETPs, mixing of sewage with industrial waste (Influent FC: 28×10^4 - 63×10^7) 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, all 13 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 II; 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 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. Delhi Pollution Control Committee (DPCC) shall take necessary action against the non-complying CETPs including levying of environmental compensation following the due procedure.
2. Delhi Pollution Control Committee (DPCC) shall direct individual CETP operators and the other nodal state agencies like Delhi State Industrial and Infrastructure Development Corporation (DSIIDC) to prepare time bound action plan duly validated by expert technical institutes of the 13 identified CETPs situated in Delhi, NCT (list enclosed herewith as Annexure II). 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. DPCC shall direct DSIIDC to ensure mandatory display of OCEMS data of each individual CETP in a conspicuous location where CETP clusters are located.
4. DPCC shall also organize meeting with CETP operators, state agencies like DSIIDC 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 thirteen (13) CETPs shall be submitted to CPCB within 30 days from the date of receipt of the directions.


 (PRASHANT GARGAVA)
 MEMBER SECRETARY

Copy to:

1.	Director General, National Mission for Clean Ganga (MoWR, RD & GR) 1 st Floor, Major Dhyam Chand National Stadium India Gate, NEW DELHI – 110002	:	For kind information please.
2.	Additional Secretary (CP-Division), Ministry of Environment Forests & Climate Change Indira Paryavaran Bhawan, Jor Bagh Road, NEW DELHI-110 003	:	For kind information please.

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


(PRASHANT GARGAVA)

ANNEXURE-I

Sl No	CETP Name	Industrial cluster	Compliance Status	Percentage Utilization of Design Capacity	Influent BOD (mg/l)	ETP/PETP treatment technology	ETP OUTLET										MLSS & MLVSS
							pH	Out let BOD	BOD Load	Out let CO D	Out let TSS	TDS	FDS	Total Nitrogen	Ammonical Nitrogen	Ammonical load	
							(mg/l)	(mg/l)	kg/d	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(kg/day)	
1	Jhilmil & Friends Colony Industrial Area CETP,	Mixed/Heterogeneous	Complying	27	66	Physico Chemical + Tertiary filtration (DMF+ACF)	7.28	23	103.5	85	96	1975	476	29	22.4	100.8	NA
2	Badli Industrial Estate CETP	Mixed/Heterogeneous	Non Complying	8	188	Physico Chemical + Tertiary filtration (DMF+ACF)	9.33	49	46.06	132	65	970	-	38	28	26.32	NA
3	Mayapuri Industrial Area CETP,	Mixed/Heterogeneous	Non Complying	29	249	Physico Chemical + Tertiary filtration (DMF+ACF)	8.8	69	241.5	316	50	1870	-	35	31	108.5	NA
4	Mangolpuri Industrial Area CETP,	Mixed/Heterogeneous	Non Complying	73	113	Chemical Treatment + Biologic	8.7	36	63	72	20	4605	-	33	23	40.25	MLSS: - 882 MLVSS: - 417

ANNEXURE-I

Sl No	CETP Name	Industrial cluster	Compliance Status	Percentage Utilization of Design Capacity	Influent BOD (mg/l)	ETP/PETP treatment technology	ETP OUTLET									MLSS & MLVSS	
							pH	Out let BOD	BOD Load	Out let CO D	Out let TSS	TDS	FDS	Total Nitro gen	Ammoni cal Nitrogen		Ammonical load
								(mg/l)	kg/d	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)		(kg/day)
						al (ASP) + Tertiary filtration (DMF+ACF)											
5	Wazirpur Industrial Area CETP,	Mixed/Heterogeneous	Complying	10	96	Physico Chemical + Tertiary filtration (DMF+ACF)	8.3	24	60	68	28	2815	545	35	34	85	NA
6	DSIIDC Nangloi & Udyog Nagar CETP,	Mixed/Heterogeneous	Non Complying	29	76	Physico Chemical + Tertiary filtration (DMF+ACF)	8.62	45	157.5	144	114	4798	1428	24	21	73.5	NA
7	North West Industrial Area CETP	Mixed/Heterogeneous	Complying	19	112	Physico Chemical + Tertiary filtration (DMF+ACF)	8.9	28	63	54	40	2970	832	34	28	63	NA

ANNEXURE-I

Sl No	CETP Name	Industrial cluster	Compliance Status	Percent Utilization of Design Capacity	Influent BOD (mg/l)	ETP/ PETP treatment technology	ETP OUTLET										MLSS & MLVSS
							pH	Out let BOD	BOD Load	Out let CO D	Out let TSS	TDS	FDS	Total Nitro gen	Ammoni cal Nitrogen	Ammonical load	
								(mg/l)	kg/d	(mg /l)	(mg /l)	(mg/ l)	(mg/l)	(mg/l)	(mg/l)	(kg/day)	
8	Okhla Industrial Area CETP	Mixed/ Heterogeneous	Non Complying	20	185	Physico Chemical + Tertiary filtration (DMF+ACF)	8	96	459.168	294	20	1235	-	101	79	377.857	NA
9	Naraina Industrial Area CETP	Mixed/ Heterogeneous	Complying	7	205	Physico Chemical + Tertiary filtration (DMF+ACF)	7.9	25	37.5	128	35	885	185	47	41	61.5	NA
10	GTK Road Industrial Estate CETP,	Mixed/ Heterogeneous	Non Complying	25	96	Physico Chemical + Tertiary filtration (DMF+ACF)	8.23	62	93	196	90	2535	654	57	43	64.5	NA
11	PNC Delhi Industrial Infra Pvt. Ltd, Narela CETP ,	Mixed/ Heterogeneous	Complying	47	174	Chemical Treatment + Biologic al (ASP) +	7.54	23	241.5	82	32	2205	285	35	16	168	2364 and 1391

ANNEXURE-I

Sl No	CETP Name	Industrial cluster	Compliance Status	Percent Utilization of Design Capacity	Influent BOD (mg/l)	ETP/PETP treatment technology	ETP OUTLET								MLSS & MLVSS		
							pH	Out let BOD	BOD Load	Out let CO D	Out let TSS	TDS	FDS	Total Nitro gen		Ammoni cal Nitrogen	Ammonical load
								(mg/l)	kg/d	(mg /l)	(mg /l)	(mg/ l)	(mg/l)	(mg/l)		(mg/l)	(kg/day)
						Tertiary filtration (DMF+ACF)											
12	Bawana CETP	Mixed/Heterogeneous	Non Complying	71	266	Chemical Treatment + Biological (ASP) + Tertiary filtration (Rapid sand filter)	7.3	34	850	92	35	2015	1361	23	16	400	3546 and 2534
13	Keshav Puram Industrial Area (KESPIA) CETP Society	Mixed/Heterogeneous	Non Complying	13	196	Physico-Chemical + Tertiary filtration (DMF+ACF)	8.4	178	267	475	109	3405	857	59	23	34.5	NA

ANNEXURE-II

SI No.	CETP Details	Issues	
1	Jhilmil & Friends Colony Industrial Area CETP, B-Block (Opp. B-43), Jhilmil Industrial Area, Delhi-110095	% utilization of $\leq 70\%$ of design capacity, treatment/performance efficiency of $\leq 70\%$ and incomplete/inadequate treatment system.	
2	PNC Delhi Industrial Infra Pvt. Ltd, Narela CETP, Opposite H Block (H-1348), Narela Industrial Area, Delhi-110040	% utilization $\leq 70\%$ of design capacity,	
3	Badli Industrial Estate CETP, Behind Suraj Park, Rohini, Sector-18, Delhi-110042	Non complying, % utilization $\leq 70\%$ of design capacity and incomplete/inadequate treatment system.	
4	Mayapuri Industrial Area CETP, Opposite Govt. of India Press, Phase-I, Mayapuri Industrial Area, New Delhi-110064	Non complying, % utilization of $\leq 70\%$ of design capacity and incomplete/inadequate treatment system.	
5	Mangolpuri Industrial Area CETP, Mangolpuri Industrial Area, Phase-I Delhi-110083	Non complying, % utilization $\leq 70\%$ of design capacity and treatment/performance efficiency of $\leq 70\%$	
6	DSIIDC Nangloi & Udyog Nagar CETP, Behind DTC Nangloi Depot, Rohtak Road Delhi-110041	Non complying, % utilization of $\leq 70\%$ of design capacity, treatment/performance efficiency of $\leq 70\%$ and incomplete/inadequate treatment system.	
7	Okhla Industrial Area CETP, C-141 Phase-I, New Delhi-110020	Non complying, % utilization of $\leq 70\%$ of design capacity, treatment/performance efficiency of $\leq 70\%$ and incomplete/inadequate treatment system.	
8	GTK Road Industrial Estate CETP, CETP Complex Society Building, B-Block, GTK Road Industrial Area, Delhi-110033	Non complying, % utilization of $\leq 70\%$ of design capacity, treatment/performance efficiency of $\leq 70\%$ and incomplete/inadequate treatment system.	
9	Bawana CETP, Sector-5, Bawana Industrial Area, New Delhi-110039	Non Complying & % utilization $\leq 70\%$ of design capacity	
10	Keshav Puram Industrial Area (KESPIA) CETP Society, Near Indian Oil Petrol Pump, Ring Road, Delhi-110035	Non complying, % utilization of $\leq 70\%$ of design capacity and incomplete/inadequate treatment system.	
11	Naraina Industrial Area CETP, Naraina Industrial Area, Phase -II, New Delhi-110028	% utilization of $\leq 70\%$ of design capacity	

ANNEXURE-II

Sl No.	CETP Details	Issues
12	Wazirpur Industrial Area CETP, Adarsh Complex (II nd Floor), Plot No. 3, Community Centre, Wazirpur Industrial Area, Delhi-110052	Incomplete/inadequate treatment system.
13	North West Industrial Area CETP Society, (SMA CETP), 119 SMA Co-operative Industrial Area, GT Karnal Road, Delhi-110033	Incomplete/inadequate treatment system.