

Speed Post

CPCB/IPC-VII/CETPs/Direction/2019

August 13, 2019

To

The Chairman

Rajasthan Pollution Control Board
A-4, Institutional Area, Jhalana Doongri,
Jaipur-302 004,
Rajasthan

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 13 CETPs located in Rajasthan 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, RSPCB is hereby directed to take appropriate action for compliance of the following directions:

1. RSPCB 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 (Central),
Central Pollution Control Board,
3rd Floor, Sahkar Bhawan,
North TT Nagar,
Bhopal-462003 (M.P.)

: 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 Rajasthan 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.	CETP Foundation (Pali)CETP CETP- 02, Mandia Road Industrial Area, Pali, Rajasthan	15/4/2019	<ul style="list-style-type: none"> • CETP is not complying as only primary treatment facility is available in CETP-02. • RSPCB has not prescribed effluent discharge limits from CETP-02. Only primary treatment is being given at CETP-02 and partially treated wastewater is being taken to CETP-06 for final treatment. • The CETP is for Textile units (252 units). • CETP has valid Consents & Authorization. • CETP treats effluent of 4.2 MLD as against the designed capacity of 8.4 MLD • Aerators were not in operation during inspection. • Inlet to CETP standards is not complying w.r.t TSS. • OCEMS installed but under maintenance. Not connected with CPCB server. • NGT case original Application no. 32 (THC) of 2014 the matter of Digvijay Singh Versus State of Rajasthan & Ors is pending before the Hon'ble NGT, Delhi. 	<ul style="list-style-type: none"> • RSPCB should prescribe the effluent discharge limits for CETP-02 outlet. • CETP should be upgraded to meet the notified standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month. • RSPCB 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 Jaipur leather complex Environmental protection foundation Pvt Ltd. Village Manpur-Macheri Jaipur,	11/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t, TSS, BOD, COD, Fluoride and Chloride. • The CETP is for tannery units (9 units). 	<ul style="list-style-type: none"> • The operator shall improve operation of CETP so as to meet discharge standards immediately. Thereafter

	Rajasthan		<ul style="list-style-type: none"> • CETP does not have valid Consents and Authorization. • CETP treats effluent of 200 KLD as against the designed capacity of 600 KLD. • Inlet to CETP standards is prescribed. • OCEMS is installed and connected to CPCB and RSPCB server. 	<p>performance evaluation study of CETP is to be conducted through Government institution within four month.</p> <ul style="list-style-type: none"> • CETP should obtain valid CCA within one month.
3.	M/s Jasol Water Pollution Control and Treatment Trust, Tilwara Road, Jasol, Balotra Distt.- Barmer (Raj.)	18/4/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge (ZLD) condition. • The CETP is for Textile units (110 units). • CETP has valid Consents & Authorization. • CETP treats effluent of 1.3 MLD as against the designed capacity of 4.0 MLD. • Inlet to CETP standards is prescribed. • OCEMS is installed and connected to CPCB and RSPCB. • NGT case original Application no. 34 (THC) of 2014 the matter of Digvijay Singh Versus State of Rajasthan & Ors is pending before the Hon'ble NGT, Delhi. 	<ul style="list-style-type: none"> • Solar evaporation system should be replaced by multiple effect evaporation followed by drier to operate plant at 4 MLD. CETP should operate RO at maximum capacity to reduce load on mist evaporator.
4.	M/s Jaipur Integrated Texcraft Park Private Limited SPL-1, RIICO industrial area, Phase-II extn, Dehmi Khurd, Bagru-303007 Jaipur (Rajasthan)	19/4/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge (ZLD) condition provided with net evaporator system. • The CETP is for Textile units (19 units). • CETP does not have valid Consents and Authorization. • CETP treats effluent of 300 KLD as against the designed capacity of 500 KLD. • Inlet to CETP standards is not complying w.r.t TSS, NH3-N and oil & grease. • OCEMS installed but not connected with CPCB server and not in operation during inspection. 	<ul style="list-style-type: none"> • Net evaporator system should be replaced by multiple effect evaporation followed by drier. • CETP should obtain valid CCA within two month. • RSPCB should direct individual member industries to comply with prescribed standards immediately. • CETP should maintain OCEMS and provide

				connectivity to CPCB server within one month.
5.	M/a CETP Foundation CETP -3, Punayata Industrial Area Pali, Rajasthan	15/4/2019	<ul style="list-style-type: none"> • CETP is not complying since secondary treatment is not properly followed. • RSPCB has not prescribed effluent discharge limits from CETP-03. Improper secondary treatment is being given at CETP-03 and partially treated wastewater is being taken to CETP-06 for final treatment. • The CETP is for Textile units (69 units). • CETP has valid Consents & Authorization. • CETP treats effluent of 700 KLD as against the designed capacity of 9080 KLD. • Inlet to CETP standards is prescribed. • OCEMS not in operation for more than 6 months and not connected to CPCB. • NGT case original Application no. 32 (THC) of 2014 the matter of Digvijay Singh Versus State of Rajasthan & Ors is pending before the Hon'ble NGT, Delhi. 	<ul style="list-style-type: none"> • RSPCB should prescribe the effluent discharge limits for CETP-03 outlet within one month. • CETP should be upgraded to meet the notified standards immediately. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.
6.	M/s CETP Foundation CETP-4, Mandia Road Industrial Area, Pali, Rajasthan	15/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t. COD, BOD, TSS, FDS, chloride, fluoride and pH. • RSPCB has prescribed effluent discharge limits for surface water disposal to CETP-04. Improper secondary treatment is being given at CETP-04 and partially treated wastewater is being taken to CETP-06 for final treatment instead of discharging into river. • The CETP is for Textile units (226 units). • CETP doesn't have valid Consents and applied for renewal. CETP has valid Authorization. • CETP treats effluent of 3.622 MLD as against the designed capacity of 12.0 MLD. • Inlet to CETP standards is prescribed. 	<ul style="list-style-type: none"> • CETP should be upgraded to meet the notified standards. Thereafter performance evaluation study of CETP is to be conducted through Government institution within four month. • CETP should obtain valid Consents within two month. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.

			<ul style="list-style-type: none"> • OCEMS is not operational and not connected to CPCB server. • NGT case original Application no. 32 (THC) of 2014 the matter of Digvijay Singh Versus State of Rajasthan & Ors is pending before the Hon'ble NGT, Delhi. 	
7.	M/s CETP Foundation CETP-6, Punayata Industrial Area Pali, Rajasthan	15/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t, TSS, FDS and chloride. • The CETP is for Textile units. • CETP has valid Consents & Authorization. • CETP treats effluent of 7.5 MLD as against the designed capacity of 12.0 MLD. • Inlet to CETP standards is not complying w.r.t pH, TSS and TDS. • OCEMS is under maintenance and not connected to CPCB. • NGT case original Application no. 32 (THC) of 2014 the matter of Digvijay Singh Versus State of Rajasthan & Ors is pending before the Hon'ble NGT, Delhi. 	<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. • The operator should install RO & MEE to achieve the status of ZLD by 31.08.2020 as per consent condition. • RSPCB should direct individual member industries and CETP- 02, 03 and 04 to comply with standards immediately. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.
8.	M/s Nextgen Textile Park Pvt. Ltd., Sardar Samand Road, Pali, Rajasthan	15/4/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge (ZLD) condition. • CETP is for Textile units (20 units). • CETP does not have valid Consents and applied for renewal. CETP has valid Authorization 	<ul style="list-style-type: none"> • CETP should obtain valid Consents. • RSPCB should direct individual member industries to comply with prescribed

			<ul style="list-style-type: none"> • CETP treats effluent of 1.0 MLD as against the designed capacity of 8.0 MLD. • Inlet to CETP standards is prescribed but influent is not complying w.r.t TSS. • OCEMS installation under process. Not yet connected to CPCB. 	<ul style="list-style-type: none"> standards immediately. • CETP should install OCEMS and provide connectivity to CPCB server within one month.
9.	M/s Balotra Water Pollution Control & Research Foundation (18 MLD CETP) RIICO Industrial Area, Kher Road, Balotra-344022 Dist: Badmer, Rajasthan	18/4/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge (ZLD) condition with solar evaporator system. • CETP is for Textile units (375 units). • CETP has valid Consent and Authorization. • CETP treats effluent of 10 MLD as against the designed capacity of 18 MLD. • Sludge was not stored properly and observed spread within CETP premises. • Inlet to CETP standards is not complying w.r.t pH, TSS and ammonical nitrogen. • OCEMS is installed. Not connected to CPCB server. 	<ul style="list-style-type: none"> • Net evaporator system should be replaced by multiple effect evaporation followed by drier. • For consented capacity operation, CETP should be upgraded with RO and MEE. • Sludge should be managed as per the provisions under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 within two months. • RSPCB should direct individual member industries to comply with prescribed standards immediately. • CETP should provide OCEMS connectivity to CPCB server within one month.
10.	M/s Jodhpur Pradushan Nirwaran Trust Plot No. SP-1,	16/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t, TSS, COD, BOD, TDS, chloride, sulphate and fluoride. 	<ul style="list-style-type: none"> • The operator shall improve operation of CETP so as to meet

	Sangria Industrial Area, 2 nd phase, Sangria, Jodhpur, Rajasthan		<ul style="list-style-type: none"> • The CETP is receiving effluent from industrial units such as Textile, Steel and others (407 units). • CETP does not have valid Consents and applied for renewal. • CETP treats effluent of 12 MLD as against the designed capacity of 20 MLD • Inlet to CETP standards is prescribed. • OCEMS installed but not operational during the visit and not yet connected to CPCB server. 	<p>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"> • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.
11.	M/s Sanganeer Enviro Project Development (12.3 MLD CETP) with ZLD plant, Muhana road, Sanganeer Jaipur, Rajasthan	19/4/2019	<ul style="list-style-type: none"> • CETP is not complying. CETP should have been ZLD as per consent condition but 95% effluent is not reaching to CETP due to unavailability of conduit pipelines & pumping station and effluent is by passed along with city sewage. • The CETP is for Textile units (821 units). • CETP has valid Consents. CETP doesn't have Hazardous waste Authorization. • CETP treats effluent of 0.5 MLD as against the designed capacity of 12.3 MLD. • Inlet to CETP standards is not complying w.r.t NH₃-N and Phenol. • OCEMS is under installation. Not yet connected to CPCB and RSPCB. 	<ul style="list-style-type: none"> • The CETP operator should make arrangements of conducive system to carry all effluent from member industries to CETP. • RSPCB should direct individual member industries to comply with prescribed standards immediately. • CETP should obtain HW Authorization within two month. • CETP should remove by-passing facility immediately. • CETP should maintain OCEMS and provide connectivity to CPCB server within one month.

12.	M/s Bhiwadi Jal Pradushan Nivaran Association CETP Office, opp. New Bus Stand Bhiwadi - 301019 Dist : Alwar (Rajasthan)	11/4/2019 to 12/4/2019	<ul style="list-style-type: none"> • CETP is not complying with prescribed discharge limits w.r.t TSS and FDS. • CETP is receiving effluent from industrial units such as Textile, Steel and Pharmaceuticals etc (820 units). • CETP has valid Authorization. Consents expired and applied for renewal. • CETP treats effluent of 9 MLD as against the designed capacity of 9 MLD. • Inlet to CETP standards is prescribed. • OCEMS is installed and connected to CPCB server. • 1-2 MLD effluent is by passed from equalization tank. 	<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. • CETP should remove by-passing facility immediately. • CETP should obtain valid Consents within two month.
13.	M/s Balotra Water Pollution Control and Research Foundation (30 MLD CETP), Samadari Road, Bithuja Balotra-344022 Dist- Barmer, Rajasthan	17/4/2019	<ul style="list-style-type: none"> • CETP is complying with zero liquid discharge The CETP is for Textile units (214 units). • CETP has valid Consents & Authorization. • CETP treats effluent of 11 MLD as against the designed capacity of 30 MLD. • Inlet to CETP standards is not complying w.r.t TSS. • OCEMS is installed and connected to CPCB server. 	<ul style="list-style-type: none"> • RSPCB should direct individual member industries to comply with prescribed standards immediately.

ZLD																													
8.	CETP-Nextgen Textile Park, Rajasthan																												
9.	CETP-Balotra CETP RIICO Industrial Area, Rajasthan	8.363	97.72	94	2.7	<u>2482</u>	1.69	-	<u>1515.69</u>	28.77	239.4	<u>86.27</u>	0.66	0.0336	0.0115	<u>8912</u>	-	-	-	0.6959	0.0142	0.1280	-	0.061	0.0800	0.1622	BDL	BDL	0.072
	Standard prescribed	5.5-9	-	100	10	-	-	-	-	30	250	-	-	-	-	-	-	-	2	-	-	2	0.05	3	0.1	3	0.2	0.01	5
10.	CETP-Jodhpur Pradushan Niwaran Trust, Rajasthan	8.632	20.16	<u>146</u>	2.1	<u>5846</u>	<u>4.20</u>	-	<u>1215.9</u>	<u>102</u>	<u>578</u>	15.11	0.42	0.472	0.0866	<u>3703.8</u>	-	-	-	3.342	0.1766	0.071	-	0.0690	0.0590	0.0990	BDL	BDL	0.0363
	Standard prescribed	5.5-9	100	100	10	2100	2	-	1000	30	250	50	1	-	-	1000	-	-	2	-	-	2	0.05	3	0.1	3	0.2	0.01	5
ZLD																													
11.	CETP-Sanganeeer Enviro, ZLD Plant, Rajasthan																												
	Standard prescribed	5.5-9	-	100	10	-	2	-	-	30	250	-	-	-	-	-	-	-	2	-	-	0.1	0.05	3	0.1	3	0.2	0.01	5
12.	CETP-Bhrawadi Jal Pradushan Niwaran Association, Rajasthan	7.50	11.48	<u>107</u>	-	<u>2410</u>	1.02	-	<u>494.44</u>	22	196	8.62	0.16	0.0264	0.2123	633.56	-	-	-	0.3360	0.2965	0.048	-	0.0290	0.0240	0.0891	BDL	BDL	0.0649
	Standard prescribed	5.5-9.0	100	100	10	2100	2	-	1000	30	250	50	1	-	-	1000	-	-	2	-	-	2	0.05	3	0.1	3	0.2	0.01	5
13.	CETP- Balotra, 30 MLD CETP, Samadani Road, Rajasthan	8.137	37.8	<u>197</u>	4.2	<u>6563</u>	1.27	-	<u>2027.52</u>	<u>165</u>	<u>907</u>	19.56	<u>1.41</u>	0.0344	0.1269	<u>4583.47</u>	-	-	-	0.1500	0.0446	BDL	-	0.0520	BDL	0.1749	BDL	BDL	0.0862
	Standard prescribed	5.5-9	100	100	10	-	2	-	1000	30	250	50	1	-	-	1000	-	-	2	-	-	0.2	0.05	3	0.1	3	0.2	0.01	5

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