



Rajasthan State Pollution Control Board

Headquarter, 4, Institutional Area, Jhalana Doongri, Jaipur-302004
Phone :0141-5159699,5159604; e-mail: member-secretary@rpcb.nic.in
Helpline No.: 0141-2716877

No. F.5 (Gen-67) Textile/RSPCB/392-1448

Date:- 04/08/2023

Order

Establishment of a Common Primary Effluent Treatment Plant by CETPs

The Rajasthan State Pollution Control Board (hereinafter referred to as State Board) received a proposal from CETP Foundation Pali regarding the establishment of a Common Primary Effluent Treatment Plant at the premises of CETP-Unit VI for collective primary treatment of effluent generated from its member units.

The proposal and the premise of a common primary effluent treatment plant were examined by the State Board considering the recommendations of the committee constituted under chairmanship of Justice P. C. Tatia cited by the Hon'ble NGT in its order dated 25/02/2022 in the matter of Digvijay Singh Vs State of Rajasthan & Ors (OA No. 34/2014), Villagers of Gram Panchayat Araba Vs State of Rajasthan & Ors (OA No. 329/2015) and Kishan Paryavaran Sangharsh Samiti Vs State of Rajasthan & Ors (OA No. 32/2014), the existing system of monitoring of the member units of CETP, guidelines for Operation & Maintenance of CETP issued by the State Board and the draft notification dated 04/01/2023 issued by Ministry of Environment, Forest and Climate Change for Regulation of Common Effluent Treatment Plants (CETPs).

The State Board hereby grants its principal approval to the CETPs of the State, for the establishment of a Common Primary Effluent Treatment Plant for collective primary treatment of effluent generated from the member units of the Common Effluent Treatment Plant subject to the following:

- 1) That the Standard Operating Procedure (SOP) for the imposition of Environmental Compensation on the Common Effluent Treatment Plant issued by RSPCB will be applicable (annexed herewith).
- 2) The CETP will formulate its own Standard Operating Procedure for monitoring member units and acting against defaulting member units. The SOP shall minimally cover the following aspects: -
 - a. The member industry shall be permitted to discharge the maximum daily quantity of effluent in a day as per the connectivity letter issued by the CETP and Consent to Operate issued by the State Board.

Signature valid

Digitally signed by N. V. Jai
Designation: Member Secretary
Date: 2023.08.23 15:24:18 IST
Reason: Approved

RajKaj Ref No. : 4573701





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- b. Member industries shall discharge the trade effluent to conform to the outlet norms as prescribed in the consents issued by RSPCB.
 - c. Member units should have a single discharge point for the discharge of effluent to a closed conduit pipeline leading to CETP.
 - d. Member units shall provide a Natural Settling Tank, where wastewater is held for a minimum of 12 hours, and a layer of collected solids, known as sludge, settles at the bottom. This ensures that heavy particles and solids are settled down before wastewater is conveyed into pipes.
 - e. All the member units' shall provide arrangements for pH correction before discharging the effluent into the closed conduit pipeline reaching CETP.
 - f. All the member units shall install SCADA based flow meters along with sensors for pH & conductivity and a panel with an Auto lock system for continuous monitoring of discharge. The access to real time data of SCADA and flow meter shall be made available to the State Board also.
 - g. For the primary treatment plant's outflow chamber, CETP will maintain an online pH analyzer with a 0-14 pH range that will be calibrated every six months. The same will be linked to SCADA in real time, and there will be ongoing monitoring to make sure that prescribed parameters are met.
 - h. Provision of penal action against defaulter member units will be as under, however, the CETP shall be free to adopt any stricter penal mechanism: -
 - i. First Violation: Three-day closure and environment compensation of Rs. 10000/day.
 - ii. Second Violation: Seven-day closure and environment compensation of Rs. 15000 day.
 - iii. Third Violation: Connectivity to be removed from CETP with a letter to RSPCB to revoke the CTO.
- 3) The CETP shall comply with the prescribed inlet and outlet effluent standards. In order to strengthen the monitoring and compliance through self-regulatory mechanisms, Online Continuous Effluent Monitoring System (OCEMS) shall be installed at inlet and outlet of the CETP, and data connectivity be provided to RSPCB & CPCB.

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- 4) The CETP shall develop an automated online mechanism to monitor the quantity & quality of effluent (say, by way of installing SCADA-PLC & auto samplers/sensors) being discharged by the member units, to ensure compliance. The connectivity of the monitored data shall be provided to RSPCB. CCTV cameras at appropriate locations shall also be installed to check bypass or unauthorized discharges. For monitoring quality, an online pH sensor & online conductivity sensor will be installed at the outlet of each member unit.
- 5) RSPCB will carry out real-time online monitoring with a random physical inspection of all CETPs and the associated industrial areas with the following objectives:
 - i. To check compliance of inlet quality parameters of the CETP.
 - ii. To check compliance with the notified discharge standards for CETPs, or if any more stringent standards or Zero Liquid Discharge (ZLD) conditions are specified by the RSPCB.
 - iii. To check the maintenance and calibration status of the online continuous effluent quality monitoring system in the CETP.
 - iv. To check the occurrence of any bypass of untreated industrial effluents from member industries/CETP/industrial areas.

The CETP Trust/SPV desirous of setting Common Primary Effluent Treatment Plant shall apply for Consent to Establish to the effect and compliance of above points.

This bears the approval of the competent authority.

(Vijai N)

Member Secretary

No. F.5 (Gen-67)Textile/RSPCB/ 1392-1448
Copy to following for information and necessary action

Date:- 29/08/2023

o/c

1. P.S. to Chairperson, RSPCB, Jaipur.
2. Sr.PA to Member Secretary, RSPCB, Jaipur.
3. Chief Environmental Engineer, RSPCB, Jaipur
4. Group In-Charge, HBC/Mines & SCMG-DS/ Legal /CD &PDF/ Planning/ CPP&, ECC/Plastic /Hazardous Waste Cell/ Textile / Liquid Waste/ OGM/ MUID/ Training Project & IEC/ BMW/Solid Waste/ E-waste/ PCV, Complaints, Grievances, VIP & EC Compliance/ RTI cell, RSPCB, Jaipur.
5. The Regional Officer, Regional Office, RSPCB, Alwar/ Bikaner/ Bhilwara/ Bhiwadi/ Bhilwara/ Bikaner/ Chittorgarh/ Jaipur South/ Jaipur North/ Jodhpur

Signature valid

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- Kishangarh/ Kota/ Pali/ Sikar/ Udaipur/ Bundi/ Hanumangarh/ Jaisalmer/ Sirohi
/Jhalawar/ Sawai Madhopur/ Jhunjhunu/ Rajsamand/ Banswara/ Nagaur.
6. Group In-charge (ITS), RSPCB, Jaipur – to upload on the State Board's website.
 7. CETP Trust Jodhpur / Pali / Balotra / Bithuja / Jasol / Bhiwadi / Nexgen Pali / Bagru Textile Park.
 8. Master File.

Member Secretary

o/c

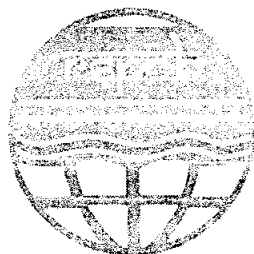
Signature valid

Digitally signed by N. V. Jai
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RajKaj Ref No. : 4573701



**Standard Operating Procedure (SOP) for
imposition of Environmental Compensation on
Common Effluent Treatment Plant in case of
Exceedance**



**Rajasthan State Pollution Control Board
Jaipur**

Signature valid

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**Standard Operating Procedure (SOP) for imposition of Environmental Compensation on
Common Effluent Treatment Plant in case of Exceedance**

Background

The operation and maintenance status of CETP's were evaluated and it is inferred that a proper monitoring mechanism is need of an hour so as to ensure:

- a) That CETP receives trade effluent in specified quantity and quality based on design parameters of the CETP.
- b) That the CETP is operated adequately, so as to achieve Zero Liquid Discharge or effluent standard for discharge as the case may be.
- c) That the CETP are operated at full capacity and there should be optimum capacity utilization.

To achieve desired goals of the installation of CETP's a self regulatory mechanism has to be developed by the CETP trust for ensuring compliances. The important action may be:-

- a) Implementation & following "guideline for O&M Agency Operations and maintenance of CETPs. for SPV and for the member units connected with CETP" issued by Rajasthan State Pollution Control Board.
- b) Installation of Online Continuous Emission/Effluent Monitoring System (OCEMS) at the inlet of CETP after pre-treatment and after tertiary treatment.
- c) The OCEMS shall mandatorily have electromagnetic flow meter and sensor for monitoring important parameters.
- d) CETP shall have in house lab, where all specified parameters shall be tested at specified periodicity.
- e) That all member units shall have Electromagnetic flow meter & foolproof SCADA system.
- f) The SCADA system as well as OCEMS be configured & data connectivity be ensured with Rajasthan State Pollution Control Board OCEMS server.
- g) CETP shall develop an SOP for monitoring compliances by their member units and action to be taken against defaulting units. The SOP may be approved the District Monitoring Committee.

The State Board in order to ensure compliances will monitor parameters with respect to quantity as well as quality of the effluent received at the inlet of the CETP and also after treatment up to tertiary level.

The State Board will take appropriate action in case of exceedance either at the inlet of CETP or at the outlet of CETP.

Signature valid

Digitally signed by N. V. Jai
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Roles and Responsibilities of Rajasthan State Pollution Control Board:

- a) RSPCB shall ensure that a member industry has single discharge outlet point to conveyance system leading to the CETP inlet.
- b) The RSPCB shall prescribe standards for specific quality parameters, in consultation with the CETP operating agency, for discharge of effluent from each member industry to CETP, based on design features/capacity of CETP and ensure compliance of the same.
- c) RSPCB shall carry out real-time online monitoring with random physical inspection of all CETPs and the associated industrial areas with the following objectives:
 - i. To check compliance of inlet quality parameters of the CETP.
 - ii. To check compliance of the notified discharge standards for CETPs, or if any more stringent standards or Zero Liquid Discharge (ZLD) condition specified by the RSPCB.
 - iii. To check maintenance and calibration status of the online continuous effluent quality monitoring system in the CETP.
 - iv. To check occurrence of any bypass of untreated industrial effluents from member industries/CETP/industrial area.

In case of violations/non-compliances, RSPCB shall take suitable actions such as, levying Environmental Compensation, issuing show cause notices or closure directions etc.. against defaulting units/CETPs/responsible agencies.

Imposition of EC in case of exceedance :

A. Exceedance at outlet of CETP

In case of non compliances observed in operations of CETP and exceedance of parameters of discharge, Environmental Compensation shall be imposed as per Office Order dated 08.01.2020.

B. Exceedance at inlet of CETP

In case of exceedance at the inlet of CETP, the governing parameters for imposing Environmental Compensation will be:

- a) Exceedance from total quantity of trade effluent permitted to be received at CETP.
- b) Exceedance in the standards prescribed at the inlet of CETP.
- c) Capacity of CETP (in MLD).
- d) No. of units connected with CETP.

Signature valid

Digitally signed by N. V. V. V.
Designation / Member Secretary
Date: 2023.08.23/15:24:18 IST
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Procedure for calculating amount of Environmental Compensation

- A. In case of exceedances in the quantity of trade effluent or parameters at inlet of CETP:- The Environmental Compensation (EC) in rupees shall be calculated as: $50,000 \times C \times N$
C – Installed capacity of CETP in MLD
N – No. of days of the violation
- B. In case of exceedances found in both (i.e. in the quantity of trade effluent and parameters at inlet of CETP):- Amount of Environmental Compensation shall be 25% extra as calculated above.
- C. Overflow from conveyance system including pipeline and manhole for carrying trade effluent from units to CETP: For each overflow observed : Rs. 75,000/-

Other Provisions:

All other provisions not covered in this document will be as per "mechanism for assessing, imposition and recovery of environmental compensation from defaulter units" issued vide State Board office order dated 08.01.2020.

Signature valid

Digitally signed by N. V. Sai
Designation: Member, Secretary
Date: 2023.08.23 17:24:18 IST
Reason: Approved

RajKaj Ref No. : 4573701

