



राजस्थान राज्य प्रदूषण नियंत्रण मण्डल  
**Rajasthan State Pollution Control Board**  
**4, Institutional Area, Jhalana Doongri, Jaipur.**

Phone: 0141-5159802, EPBX: 5159600,5159699 Fax: 5159694-97

[www.rpcb.nic.in](http://www.rpcb.nic.in) email: [tcd.rpcb@gmail.com](mailto:tcd.rpcb@gmail.com)

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

Date:-

**Office Order**

The matter of compliances and inspections carried by the Board Officials were reviewed and it was felt necessary that the monitoring and compliance in the textile clusters need improvement and a uniform mechanism for all textile clusters be formulated. It was further noted that we may relax inspection schedule and put more responsibility on industries to maintain records and submit regular compliances.

In order to have better compliance and its monitoring following shall be followed:

- 1) Quantity of Hazardous waste generated and disposed shall be monitored.
  - a) Assessment of total solid waste generated from operation of:
    - E.T.P., R.O. Plant and M.E.E. along with A.T.F.D. in case of own ETP units.
    - P.E.T.P. in case of CETP connected units.
  - b) Empirical formula as per Annexure-I for sludge generated based on quantity of effluent generated shall be used as guidelines.
  - c) Monthly data of sludge generated and transferred to CETP/Co-processing/CTDF shall be recorded.
  - d) An estimate of sludge disposal shall be co-related based on empirical formula to assess the operations & efficiency of treatment plant.
  - e) R.O.s shall estimate sludge generated per KLD from different processes in their territorial jurisdiction based on empirical formula.
  - f) Data from the receptor shall also be obtained and data submitted by units cross checked with it.
- 2) The units shall:
  - a) Install online effluent monitoring system including flow meters, PTZ cameras and SCADA and share the same with the State Board:
    - All units which are connected to CETP shall install flow meters and SCADA system.
    - The credentials of SCADA to be shared with R.S.P.C.B.
    - All own E.T.P. units shall install flow meters and PTZ cameras.
  - b) Maintain log-book in prescribed format as enclosed as Annexure-II for CETP connected units and Annexure-III for Own ETP units.
    - Record Trade Effluent generated, recycled and disposed (In case of own ETP units).
    - Record sludge and M.E.E. Salt (In case of own ETP units).
    - Record of trade effluent transferred to CETP (in case of CETP connected units)
- 3) Frequency of compliance monitoring is revised in supersession of earlier orders and will be :
  - a) For Own ETP Units: once in 04 months
  - b) For CETP connected units:
    - Units having effluent generation more than 50KLD: once in 04 months.
    - Units having effluent generation less than 50KLD: once in 04 months.



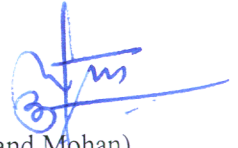
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- 4) CETPs shall monitor the compliances:
- They shall submit the monthly record of the following:
    - Effluent received from each unit based on SCADA or meter installed at unit.
    - Sludge received from individual units.
    - Total sludge received from the Units.
    - Total effluent received at CETP based on flow meter.
  - They shall also deploy their own surveillance team, which shall also monitor the discharge from units & check the Conveyance system.
  - They shall intimate State Board of any non compliance observed from the member units
  - Stack monitoring of air pollution sources shall be done once in six months.
- 5) The industries shall also submit periodic compliances in the prescribed format enclosed as per Annexure-IV for CETP connected units & Annexure-V for Own ETP units and the frequency of submission of compliances will be:
- In case of own ETP units:
    - Units having effluent generation of 500KLD and more: Monthly
    - Units having effluent generation less than 500KLD and more than 100KLD: Quarterly
    - Units having effluent generation less than 100KLD: Half-yearly
  - In case of units connected to CETP
    - Units having effluent generation of 100KLD and more: Quarterly.
    - Units having effluent generation less than 100KLD and more than 50KLD: Half-Yearly.
    - Units having effluent generation less than 50KLD: Annually.
- 6) General/Actions
- Regional Officers shall in order to cross-check, carry out inspections of 5% of compliance inspection.
  - Head Office shall also carry out inspection of 5% of compliance inspection for verification.

This bears approval of the competent authority.

  
(Anand Mohan)  
Member Secretary  
o/c

No. F.(5)/Gen-67/RSPCB/Textile/ 3671-3727

Date:- 15-03-2022

Copy to following for information and necessary action

- P.S. to Chairperson, RSPCB, Jaipur.
- Sr. P.A. to Member Secretary, RSPCB, Jaipur.
- Chief Environmental Engineer / Chief Scientific Officer/Chief Account Officer, RSPCB, Jaipur.



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4. Group Incharge, SWMC/HOP/Planning/ BMW/ Hazardous/ Textile/ CPM/ MUID/ Plastic/ SCMG&DS/ CD&Project/ IT&PDF/ Mines/ Admin/ MSW/PAAC/ Legal/ EC/ VTR/ SPIO/Establishment RSPCB, Jaipur.
5. Regional Officer, Regional Office, RSPCB, Jaipur (South)/ Jaipur (North)/ Alwar/ Bhiwadi/ Balotra/ Bhartpur/ Bhilwara/ Bikaner/ Jodhpur/ Pali/ Kota/ Chittorgarh/ Kishangarh/ Sikar/ Udaipur/ Sirohi/ Nagaur / Bundi/ Jaisalmer /Banswara/ Hanumangarh/ Sawai Madhopur/ Rajsamand/ Jhalawar/ Jhunjhunu.
6. Chairman CETP Trust, Balotra/Bithuja/Jasol/Pali/Jodhpur/Sanganer.
7. Group In-charge (IT), with request to upload on Board website.

Member Secretary

o/c

### Empirical Formula for Sludge/Salt Calculations

#### 1. For CETP Connected Units:-

TSS at inlet of PETP in mg/l:- X

TSS at outlet of PETP in mg/l:- Y

Effluent generated in KLD :- E

Sludge generation in mg/l :- X-Y

Sludge generation :-  $(X-Y) / 10^3$  KG/KL

Dry Sludge generation per Day (Z):-  $(X-Y) * E / 10^3$  KG/Day

Correction for moisture:-  $Z + \% \text{ moisture content} * Z$

#### 2. For ETP Units:-

##### (A) For ETP Sludge

TSS at inlet of ETP in mg/l:- X

TSS at outlet of ETP in mg/l:- Y

Effluent generated in KLD :- E

Sludge generation in mg/l :- X-Y

Sludge generation :-  $(X-Y) / 10^3$  KG/KL

Dry Sludge generation per Day (Z):-  $(X-Y) * E / 10^3$  KG/Day

Correction for moisture:-  $Z + \% \text{ moisture content} * Z$

##### (B) For MEE Salt (also same in case where MVR is used in replaced of MEE)

TDS in effluent in mg/l:- X

TDS in R.O. Permeate in mg/l:- Y

Effluent in R.O. in KLD:- E

MEE salt generation in mg/l :- X-Y

MEE salt generation :-  $(X-Y) / 10^3$  KG/KL

MEE salt generation per Day (Z):-  $(X-Y) * E / 10^3$  KG/Day



### 3. For MVR Units:-

Total solids (TSS+TDS):- X

TDS in MVR Permeate in mg/l:- Y

Effluent in MVR in KLD:- E


Sludge generation in mg/l :- X-Y

Sludge generation :-  $(X-Y) / 10^3$  KG/KL

Sludge generation per Day (Z):-  $(X-Y) * E / 10^3$  KG/Day


Correction for moisture:-  $Z + \% \text{ moisture content} * Z$

**Note:-** Calculations of estimated quantity of sludge through these empirical formula is only for guidance purpose, exact quantity of sludge may vary from industry to industry depending on the type of process, raw material etc.

  
आनन्द मोहन  
सदस्य सचिव

## CETP Connected Units - Log BOOK for Sludge


CETP Connected Units - Log BOOK for Sludge						
Name of Unit						
Address						
MIS ID						
Authorised Quantity						
PETP Sludge Information						
Date /Month/Year	Generation in KG	Disposal in KG	Storage in KG	Mainefesto No.	Sent to	Signature

  
 31/1/2023  
 राधिका शर्मा



## Daily LogSheet BOOK

Name of Unit													
Address													
MIS ID	ETP inlet Section - Total of all stream				RO Reject Section - Total				MEE Reject - Total				
Section													
Source													
Location of meter													
Meter S.no.													
Meter Sealed on													
Date /Month/Year	ETP inlet Section - Total of all stream			RO Reject Section - Total			MEE Reject - Total			Grand Total in kwh			
	Time	Initial Reading in Kwh	Final Reading in Kwh	Total in Kwh	Time	Initial Reading in Kwh	Final Reading IN Kwh	Total in Kwh	Time		Initial Reading in Kwh	Final Reading INKwh	Total in Kwh

  
 01/11/2024  
 सादरप सचिवा

Signature of Incharge

Name :-

Designation

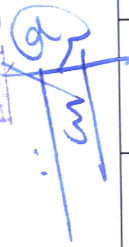
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Monthly Log BOOK

Name of Unit		ETP Sludge					MEE Sait								
Address															
MIS ID															
Section															
Source															
Authorised Quantity															
Authorised Mode of Disposal /Delivered to - Name and Address															
Date /Month/Year	ETP Inlet Section - Total of all stream										ATFD Sait (MEE Section)				
	Opening Balance as on 1 day of the Month in MT	Generation During Month in MT	Date of Disposal	Disposal During Month in MT	Mainfeststo No.	Closing stock of sludge on the last day of Month in MT	Opening Balance as on 1 day of the Month in MT	Generation During Month in MT	Date of Disposal	Disposal During Month in MT	Mainfeststo No.	Closing stock of sludge on the last day of Month in MT			

  
 उत्तम सिंह  
 सरस सचिव

Signature of Incharge  
 Name :-  
 Designation  
 Seal


Compliance report by CETP connected unit						
1	Name of Unit					
2	Unit ID					
3	Address					
4	Email					
5	Mobile					
6	Consent order no.		order date		Validity	
6	Authorization order no.		order date		Validity	
8	Production (Monthly)(From 1st day of month to last day of month)					
9	Raw water (Monthly)	Consumption			Source	
10	Trade effluent generation (sent to CETP) (Monthly)					
11	Boiler/Thermopack*	Monitoring results				
12	AAQM*	Monitoring results				
13	SCADA Reading	Month	Start of month	End of month		
14	Details of PETP sludge					
	Date	Opening Balance	Generation	Disposal	Closing stock of sludge	
15	Details of manifest					
	S.No.	Date	manifest no.	Type of waste	Quantity	Sent to

\* Monitoring report of all air polluting sources shall be submitted

\*\* All data shall be 1st of month to last date of month

I hereby certify that we are complying all conditions of consent/ authorization and the details submitted are correct & true to best of my knowledge.

Name, Designation and Signature of Authorized Signatory

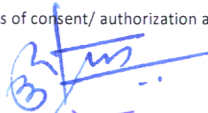
  
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Compliance report by own ETP unit						
1	Name of Unit					
2	Unit ID					
3	Address					
4	Email					
5	Mobile					
7	Consent order no.	order date		Validity		
8	Authorization order no.	order date		Validity		
9	Production (Monthly)(From 1st day of month to last day of month)					
10	Raw water (Monthly)	Consumption			Source	
11	Trade effluent generation (Monthly)					
12	Trade effluent recycled					
13	Boiler/Thermopack*	Monitoring results				
14	AAQM*	Monitoring results				
15	Details of ETP sludge					
	Date	Opening Balance as on 1 day of the Month in MT	Generation During Month in MT	Disposal During Month in MT	Closing stock of sludge on the last day of Month in MT	
16	Details of MEE Salt					
	Date	Opening Balance as on 1 day of the Month in MT	Generation During Month in MT	Disposal During Month in MT	Closing stock of sludge on the last day of Month in MT	
17	Details of manifest					
	S.No.	Date	manifest no.	Type of waste	Quantity	Sent to

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\*\* All data shall be 1st of month to last date of month

I hereby certify that we are complying all conditions of consent/ authorization and the details submitted are correct & true to best of my knowledge.

  
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सदस्य सचिव

Name, Designation and Signature of Authorized Signatory



## CETP Connected Units- Logbook for Effluent

Name of Unit	PETP Treated (SCADA Reading)			Signature
Address	Time	Initial Reading in M3	Total in M3	
MIS ID	Date			
	10.00 AM			
	10.00 AM			
	10.00 AM			

  
सदस्य सचिवा