

Standard Operating Procedures (SoP)
Monitoring Compliance of Member Units & Procedure
to take Action against defaulting Units

1. Introduction

Bhiwadi Jal Pradushan Nivaran Association (BJPNA) has been formed as a Special Purpose Vehicle (SPV) having complete operational autonomy for running and maintaining Common Effluent Treatment Plant(s) (CETPs) at Bhiwadi with related infrastructure and activities.

Member units are the industries connected with CETP and which have duly entered into membership agreement and have accepted the terms and condition of membership agreement and Memorandum and Articles of BJPNA.

2. Allotment of Membership

The membership shall be granted by CETP after following due procedure of law. The member units will need to have valid document issued by RIICO for allotment of land or any other valid document related to land conversion/allotment. Membership to the SPV will be limited to the industrial units established in the industrial estate of Bhiwadi namely Phase-I to Phase-V, Ghatal & Rampura Mundana.

SPV will grant membership to the new industries or permission for increase in wastewater quantity to be discharged in CETP only when adequate treatment capacity is available with the CETP and the CETP is able to comply with the prescribed effluent standards / comply with various guidelines/directions issued by regulatory agencies and hon'ble courts. This, however will be allowed after obtaining prior approval of the District Monitoring Committee, and shall be in line with the Consent issued to the member industries by RSPCB.

3. Quantity of effluent to be discharged by the member units

The member industry shall be permitted to discharge maximum daily quantity of effluent in a day subject to the maximum quantity allowed in consent issued by RSPCB. Industries can discharge both domestic and industrial effluents in the CETP subject to the quality as per the Clause 4.

4. Quality of effluent to be discharge by member units

The quality of effluent to be discharged by the member units shall be in accordance with the inlet standard of ZLD CETP and also with standards prescribed in Water (Prevention & Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986. Sampling and testing procedures adopted by CETP to ascertain quality of the effluent discharge by member units shall be binding to them.

In case any deviation in quality noted by BJPNA from the prescribed limit, Clause no. 8 will be applicable.



5. Roles and Responsibilities of Member Units

- a. Industry shall obtain membership of the SPV with allowed quantity of effluent discharge in the CETP. In no case, the effluent discharged in the CETP by the member unit will exceed the allowed discharge by the SPV without its prior approval.
- b. Member Units shall have only one outlet for discharge of effluent to the closed conduit pipeline leading to CETP.\
- c. Member units are required to install requisite pre-treatment arrangements prior to discharge of effluent into the closed conduit pipeline to ensure that the effluent discharged by them always comply with the prescribed standards for inlet quality of the CETP as laid down under the Water Act, 1974 or EP ACT, 1986.
- d. All the member units need to install SCADA based digital flow meter and panel with Auto locking system for continuous monitoring of discharge.
- d. Good housekeeping inside the factory premises shall be maintained by keeping check on leaking valves, cracks and fissures in pipes, faulty equipment etc. to avoid wastage of water and other raw materials/resources.
- e. That every member unit will make adequate arrangement for storage and disposal of the hazardous waste generated from the primary treatment and will obtain authorization as per the provisions of Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016.
- f. Industry will strive for adopting process/plant modifications which result into waste minimization and conservation of chemicals, energy and water.

6. Roles and Responsibilities of SPV:

- a) CETP shall prescribe standards for specific quality parameters, in consultation with RSPCB, for discharge of effluent from each member units to CETP based on design parameters/capacity of CETP and ensure compliance of the same.
- b) CETP shall carry out real time monitoring through SCADA system with physical inspections of member industry with the objective to check compliance of the discharge standards and to ensure that no bypass of untreated industrial effluent from member industry.
- c) BJPNA will constitute teams which will carry out inspections as decided by the BJPNA for identifying defaulting member units to verify any mismatch in effluent discharged by the member units and effluent received at the CETP end. A log book will also be maintained to observe and act against member units not complying with the stipulated norms.
- d) Besides the digital flow meter, each member unit will also be required to install online sensors for measurement of pH and TDS which will be connected to SCADA system. Both the sensors will be of good quality and compatible with the SCADA system. The sensors will be maintained in good operating condition and will be calibrated from time to time as per the recommendation of the equipment supplier.



- e) Preventive maintenance/ Periodic maintenance schedule will be formed and follow up strictly.

7. Contribution towards user charges

The Member units will pay the monthly user charges fixed by BJPNA towards operation and maintenance cost of the CETP after due approval of Board of Directors of BJPNA. Besides the above, the industries which are also utilizing R.O. treated water will also pay cost of water as decided by BJPNA after due approval of the Board of Directors.

The member industries must take RO treated water minimum up to the agreed quantity otherwise membership of ZLD CETP stands cancelled.

In case of failure to deposit the contribution in time (for effluent treatment charges, RO reuse charges, membership charges & other charges as decided by BJPNA), BJPNA shall be free to take actions as decided by the Board of Directors, including cancellation of membership as per clause 8 & 9.

8. Environment Compensation and Action in case of non-compliances by the Member Industries

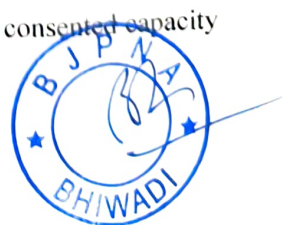
Following environmental compensation will be levied and action shall be taken on industries in the event of non-compliances of parameters of discharge, exceeding quantity of the effluent or any other non-compliance like non-operation of flow meters and pH/TDS sensors, discharge of effluent from outlet other than the connected with the pipeline etc.:

- **First Violation:** Three-day closure and environment compensation of Rs.10,000/day.
- **Second Violation:** Seven-day closure and environment compensation of Rs.15,000/day.
- **Third Violation:** Connectivity to be removed from CETP with a letter to RSPCB to revoke the CTO.

8. Cancellation of Membership

Cancellation of the Membership of individual unit with CETP will be affected if the unit fails to take action even after imposition of environmental compensation and temporary closure as specified in clause 8 and continue to carry out the following non-compliance: -

- a. Continuous default in regular payment of CETP user charges, cost of the R.O. treated water, membership charges and other charges as decided by BJPNA.
- b. Not able to take the minimum agreed quantity of R.O. treated water for reuse.
- c. Inlet quality standards of CETP are not complied with.
- d. Effluent discharge quantity is found to be exceeding the consented capacity or the guidelines issued by RSPCB from time to time



- e. Any quality deviance from the outlet norms permitted by RSPCB is observed.
- f. Digital Flow Meter to measure effluent quantity or sensors installed for pH/TDS are not installed and maintained as prescribed, and/or not maintaining record / not maintaining online arrangements for data capturing as prescribed.
- g. Having more than one discharge point, beside the single point connected to the closed conduit pipeline.
- h. Non-compliance of any additional instructions in force is observed at any time.
- i. Any violation of the guidelines observed on the part of member units.

In above cases, cancellation of membership letter shall be issued by BJPNA after due approval of the Board of Directors of BJPNA with a copy to Regional Office, RSPCB, Bhiwadi.

9. Complaint Redressal System


In case of any concerns/issues, member units can raise it with BJPNA through email at cetppradushan@gmail.com or by writing to Chairman, BJPNA. The concerns/issues of the member unit shall be addressed within 48 hours.

Whenever any fault or concern is discovered in SCADA panel or flow meter, an SMS alert will be sent to member unit and the member unit is expected to take immediate action in the matter to resolve the issue.

10. Amendments to the Policy

The Board of Directors can amend this SoP as and when it deems fit. Any or all provisions of the SoP will be subject to revision/amendment in accordance with the regulations on the subject as may be issued from relevant statutory authorities, from time to time.

The SoP is issued for compliance after due approval of the Board of Director, BJPNA.



Chairman
Bhiwadi Jal Pradushan Nivaran
Association (BJPNA), Bhiwadi

