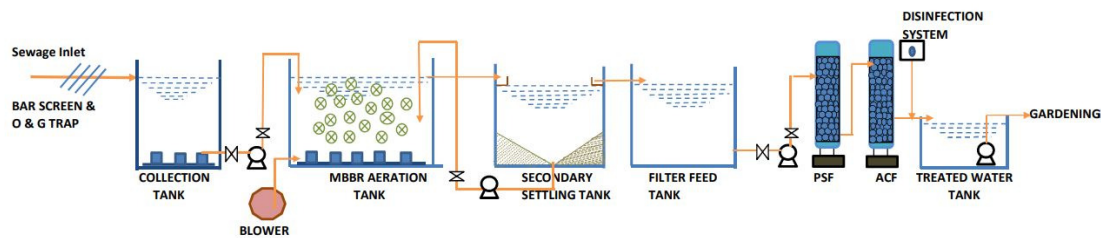


## **WASTE WATER RECYCLING PLANT AT GUJARAT STATE JUDICIAL ACADEMY**

Gujarat State Judicial Academy has recently installed a 30 KLD FRP Waste Water Recycling Plant in its premises.

### **Process Flow Diagram of the Waste Water Recycling Plant:**



### **Benefits of installing a Waste Water Recycling Plant at the Academy:**

- **Energy-Efficient Solution:** The MBBR technology is energy-efficient, with minimal energy requirements, helping to reduce the carbon footprint of the academy. This supports the academy's goals toward sustainability and environmental responsibility.
- **Cost Savings in the Long Term:** The MBBR based Waste Water Recycling Plant (Sewage treatment plant) is not only very cost effective but also saves a lot of money in its operation and maintenance. In most of the cases, the treatment plant comes out to be even less than raw water procurement cost. In addition to this, it is very simple to operate and does not require a skilled expert to operate the plant.
- **Environment Friendly Waste Management:** The installation of a Waste Water Recycling Plant ensures that wastewater is treated efficiently and safely, reducing environmental pollution. The treated water can be safely discharged into natural water bodies without harming the ecosystem. GSJA uses the treated water for Gardening purpose.
- **Improved Public Health:** Proper sewage treatment prevents contamination of water sources, reducing the risks of waterborne diseases and promoting a healthier environment for the academy's staff, participants, and the surrounding community.
- **Sustainable Water Use:** MBBR systems can treat large volumes of sewage with a smaller footprint. The treated water will be reused for non-potable purposes, such as gardening, or cleaning, promoting water conservation and reducing dependency on municipal water sources.

- Compact and Space-Saving Design: MBBR systems have a compact design. The system can be installed discreetly under the ground without taking up much space, making it a suitable solution for urban environments.
- Enhancement of the Academy's Green Initiatives: Installing an MBBR Waste Water Recycling Plant aligns with the academy's commitment to sustainability and environmental stewardship.
- Improved Aesthetic and Cleanliness: Proper water recycling treatment helps maintain a clean and aesthetically pleasing environment at the academy. It prevents unpleasant odors and reduces the risk of any contamination, ensuring the premises remain clean, hygienic, and professional because of its unique design and underground installation.