we are

SK ENVIRO SOLUTION

Advanced Wastewater Treatment For A Cleaner Future

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Know More About Us

We Sk ENVIRO SolSolutions are a leading STP & ETP plant company specializing in the design, manufacturing, installation, and maintenance of advanced wastewater treatment solutions for residential, commercial, and industrial applications. Our systems are engineered to meet CPCB/SPCB norms, ensuring safe discharge, water reuse, and long-term operational reliability through energy-efficient processes and robust equipment selection. We deliver reliable and cost-effective STP & ETP solutions backed by strong engineering expertise and proven field performance.

Every step we are with you →

- Design: Engineered solutions tailored to precise water and wastewater treatment needs.
- Manufacturing: High-quality systems built with robust materials and proven technology.
- Delivering: Timely supply and installation ensuring reliable on-site performance.

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STP

Sewage Treatment Plant

Remove pollutants and harmful contaminants, ensuring safe discharge or reuse of water. It supports environmental protection

A Sewage Treatment Plant (STP) is an engineered system designed to treat domestic and municipal wastewater by removing solids, organic matter, and harmful contaminants before safe discharge or reuse. It works through a combination of physical, biological, and chemical processes to reduce BOD, COD, TSS, and pathogens ensuring compliance with environmental regulations. Modern STPs use advanced technologies.

1000 +	789 +	99% +
Customers	Repeat	Satisfaction

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Clearity through inovation

Only get Benefits.

An STP plant uses components like bar screen, aeration tank with diffusers and MBBR media, air blower, clarifier, sludge system, and filters to treat sewage efficiently and enable safe water reuse.

01

Properly treated wastewater reduces odor issues and health risks, creating a cleaner and safer surrounding environment.

02

effectively removes pollutants such as BOD, COD, TSS, oil & grease, and harmful pathogens from sewage before discharge or reuse.

QUALITY WITHOUT COMPROMISE

aeration with high efficiency, low noise, and long-lasting performance for continuous STP/ETP operation.

Air blower

removes floating oil and grease from wastewater, improving treatment performance

Oil Scraper

MBBR media provides a large surface area for biofilm growth, enabling efficient organic matter removal.

MBBR Media

improving oxygen transfer efficiency and enhancing biological treatment performance.

Residential STP

Residential STP is designed to treat sewage generated from apartments, housing societies, and townships.

"A residential STP ensures hygienic living by treating sewage efficiently and recycling water for sustainable daily use"

01

By managing sewage within the premises, it minimizes public health risks and creates a cleaner, safer living environment for residents.

02

proper hydraulic design and sludge management, the system ensures consistent performance, low maintenance, and long service life

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Commercial STP

inspiration Solutions for Efficient

A commercial STP delivers efficient sewage treatment and water reuse for hotels, malls, of, and institutions, ensuring compliance, sustainability, and cost savings.

01

Commercial STPs are designed to handle large and fluctuating sewage loads from hotels, malls, hospitals, and office complexes, ensuring stable performance during peak usage hours.

02

help of this plants your businesses avoid penalties, maintain hygiene standards, and protect their brand reputation.

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Industrial STP We Design We Create

An industrial STP is engineered to treat high-strength and complex wastewater from industries, ensuring safe discharge, water reuse, and strict regulatory compliance.

01

Industrial STPs are engineered to manage variable and challenging effluent characteristics from manufacturing activities, maintaining stable treatment efficiency despite fluctuations in flow and pollutant concentration.

02

By recovering and reusing treated water within industrial processes, these systems minimize raw water intake, reduce effluent disposal burden, and support sustainable, cost-efficient plant operations.

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ETP

Effluent Treatment Plant

An Effluent Treatment Plant (ETP) is designed to treat industrial wastewater by removing harmful chemicals, oils, heavy solids, and organic pollutants before safe discharge or reuse. It uses a combination of physical, chemical, and biological processes to meet regulatory standards, protect the environment, and support sustainable industrial operations.

Only get

Benefits.

Advanced processes provide stable performance under variable loads, reduce operating costs, and enable safe water reuse while protecting downstream equipment and the environment.

1. Designed for reliable, continuous industrial operation.
2. Reduces environmental impact and supports water reuse.
3. Ensures compliance with discharge regulations.
4. Effectively removes chemicals, oil, grease, toxic pollutants.
5. Handles high-strength and variable industrial effluent loads.

1000 +	789 +	99% +
Customers	Repeat	Satisfaction

Commercial ETP

Designed for modern commercial spaces.

specifically designed for wastewater generated from commercial operations such as hospitals, laundries, kitchens, labs,

01

Neutralizes and removes chemical pollutants that cannot be treated by normal sewage treatment systems

02

Prevents corrosion, scaling, and damage to downstream pipelines and municipal sewer networks

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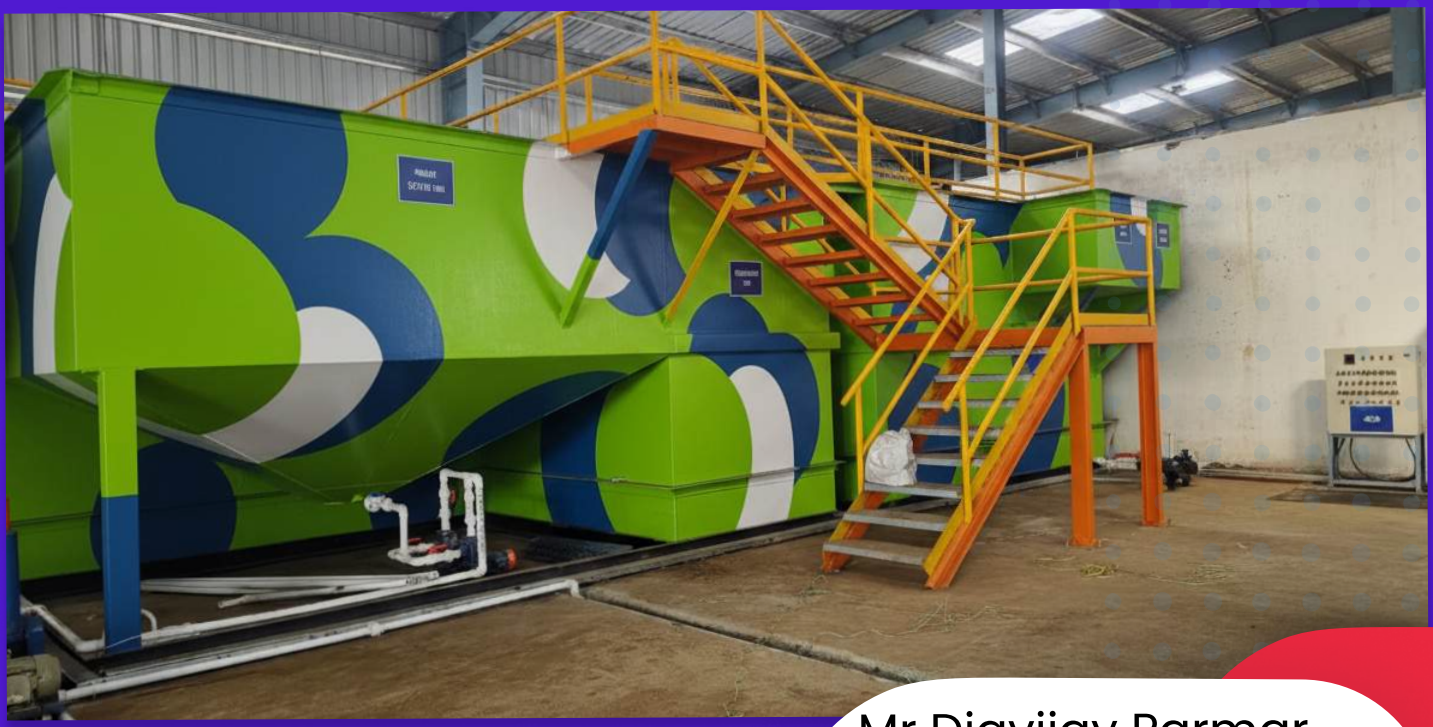
get it

Industrial ETP Best for

Industrial ETP Solutions for Treating Complex Process

designed to treat complex and chemically contaminated wastewater generated from industrial processes, ensuring safe discharge, water reuse, and strict compliance with environmental regulations.

HOTELS PHARMA Manufacturers DAIRY



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RO (Reverse Osmosis)

Reverse Osmosis pure Water Technology

Our RO systems use advanced membrane technology to remove dissolved salts and impurities, delivering reliable, high-quality water with low operating cost and easy maintenance for industrial and commercial applications.

DM (Demineralization Plant)

Demineralization Plant Ultra-Pure Water Solutions

Our DM (Demineralization) plants use advanced ion-exchange technology to remove dissolved minerals and salts, delivering ultra-pure water with consistent quality, reliable performance, and low maintenance for industrial and commercial applications.

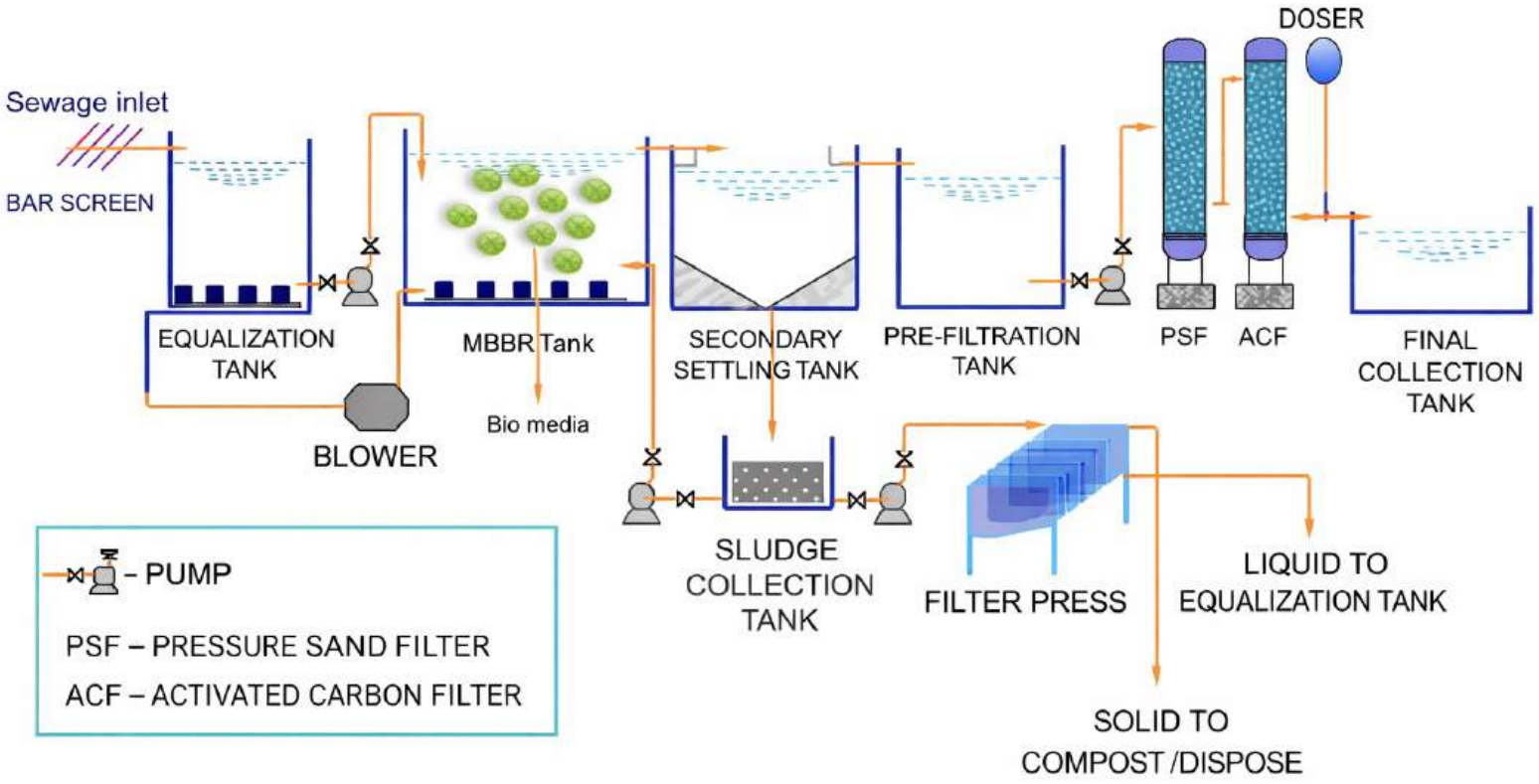
Operation & Maintenance

Keep Your Treatment Plant Running Smoothly

Our Operation & Maintenance services ensure seamless performance of STP, ETP, ZLD, RO, DM, UF, and Softener systems using advanced technologies like MBBR, SBR, MBR, DAF, AOP, and multi-stage filtration. We manage daily operations, monitor pumps, blowers, aeration, dosing, membranes, and sludge systems, and perform preventive maintenance to keep every plant compliant and efficient. From industrial ETPs to ZLD units and water purification systems, we ensure stable output, reduced downtime, and long-term reliability through continuous process optimization and technology-driven control.

STP Process Flow Diagram

Raw sewage passes through the bar screen chamber and oil & grease / grit chamber for removal of debris and heavy particles, then enters the collection/ equalization tank for flow balancing. It is treated biologically in the aeration tank (MBBR/ASP) using air from blowers, followed by solid separation in the tube settler/secondary clarifier. Clarified water is polished through PSF and ACF, disinfected, and stored in the treated water tank, while excess sludge is dewatered in the sludge drying bed.



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MBBR Technology

MOVING BED BIOFILM REACTOR

MBBR (Moving Bed Biofilm Reactor) technology is an advanced biological wastewater treatment process in which specially designed plastic media move freely in an aeration tank, providing a large surface area for microorganisms to grow and efficiently remove BOD, COD, and ammonia from sewage.

FEATURES

- High specific surface area media supports efficient biofilm growth.
- Compact reactor design reduces space and civil requirements.
- Stable performance under fluctuating flow and organic load.
- No sludge recycling required, simplifying operation.
- Low risk of clogging due to continuously moving media.
- Energy-efficient aeration with effective oxygen transfer.
- Easy upgradation of existing STPs without major modifications.
- Low maintenance with long-lasting, durable carrier media.

MBR Technology

MEMBRANE BIOREACTOR

MBR (Membrane Bioreactor) technology is an advanced sewage treatment process that combines biological treatment with membrane filtration, where micro/ultrafiltration membranes replace conventional secondary clarifiers to produce very high-quality treated water.

FEATURES

- biological treatment with membrane filtration for superior effluent quality.
- Produces very low TSS, BOD, and pathogen levels in treated water.
- Eliminates the need for secondary clarifiers and sand filters.
- Operates at high MLSS concentration, improving treatment efficiency.
- Compact footprint, ideal for space-limited installations.
- Consistent output quality despite flow and load variations.
- Suitable for high-level water reuse applications.
- Fully automated operation with precise process control.

SBR Technology

SEQUENCING BATH REACTOR

SBR (Sequencing Batch Reactor) technology is a fill-and-draw activated sludge process where wastewater treatment occurs in a single tank through timed cycles of aeration, settling, and decanting.

FEATURES

- Single-tank system performs aeration, settling, and decanting in sequence.
- Handles variable flow and load with flexible cycle control.
- Delivers high BOD, COD, and nutrient removal efficiency.
- Eliminates the need for a separate secondary clarifier.
- Compact design reduces civil construction and piping.
- Good sludge settling characteristics ensure clear effluent.
- Fully automatic operation using PLC-based controls.
- Suitable for residential, commercial, and industrial applications.

ZLD Technology

ZERO LIQUID DISCHARGE SYSTEM

ZLD (Zero Liquid Discharge) is an advanced wastewater treatment system designed to recover and reuse nearly 100% of water while converting dissolved pollutants into solid waste, ensuring no liquid effluent is discharged outside the plant.

FEATURES

- Ensures zero liquid discharge with no wastewater released outside the plant.
- Achieves maximum water recovery for reuse in industrial processes.
- Suitable for high TDS and complex industrial effluents.
- Integrates advanced systems like RO, MEE, ATFD, and crystallizers.
- Helps industries meet the most stringent environmental regulations.
- Significantly reduces freshwater intake and wastewater disposal.
- Converts dissolved contaminants into solid waste for safe handling.
- Supports sustainable and environmentally responsible industrial operations.

RMBR Technology

ROTATING MEMBRANE BIO REACTOR

RMBR (Rotating Membrane Bioreactor) is an advanced wastewater treatment technology that combines biological treatment with a mechanically rotating membrane system, where membrane rotation enhances fouling control and improves filtration efficiency.

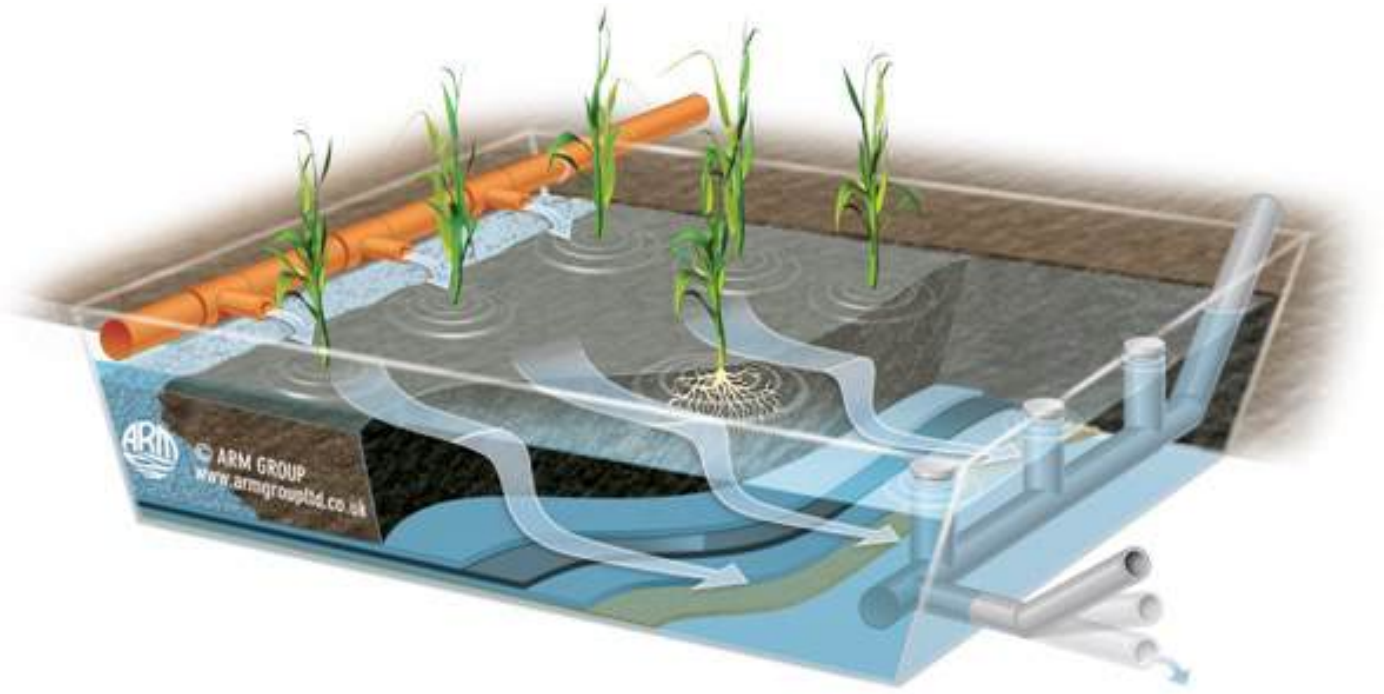
FEATURES

- Uses rotating membranes to reduce fouling and enhance filtration.
- Provides higher permeate flux compared to conventional MBR systems.
- Requires lower aeration energy due to mechanical membrane movement.
- Delivers consistently high-quality treated water.
- Ideal for advanced water reuse applications.
- Operates effectively at high MLSS concentrations.
- Extends membrane life through improved self-cleaning action.
- Compact and modular design for easy installation.

CWT Technology

CONSTRUCTED WETLAND TECHNOLOGY

CWT (Common Wastewater Treatment) is a centralized wastewater treatment system designed to treat combined sewage or industrial effluent from multiple sources at a single facility, ensuring safe discharge or reuse as per regulatory norms.



FEATURES

- Centralized system treats wastewater from multiple industries or users.
- Reduces individual treatment costs through shared infrastructure.
- Handles variable flow and mixed effluent characteristics efficiently.
- Ensures uniform compliance with pollution control regulations.
- Enables use of advanced treatment technologies at scale.
- Operated by professional teams for consistent performance.
- Saves space by eliminating the need for separate plants at each unit.
- Promotes sustainable and organized wastewater management for clusters.

Our Clint's

- Vaishnav Sahayak Trust
- Unity Mall Indore
- ABS Agro Food
- Apollo
- M2 Engimeering
- Hyundai Service
- Aadi Chem Trade Ltd
- Gujarat Foils Ltd
- Reco Solution LLP
- Shankara Eye Center
- Tirupati Hospital
- Lupin Diagnostics
- M/S Titan Genetics & CroP
- Balaji Sewarth Vinod Agrawal Foundation
- Tirupati construction
- red cross socity
- M2 Engimeering
- Syno industrie
- biofil Chemical Pharmaceuticals ltd
- WOW CREST
- SANWARYA FOOD
- Jindal Steel
- Makin Pharmaceuticals
- Tulip Construction

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Have a query or need support? Our team is here to assist with quick responses

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