

WATER THAT'S OUR LIFE

COMPANY OVERVIEW

2023

www.envirowellbiotech.com

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About Envirowell

The one-stop solution provider for Water & Wastewater treatment solutions. We are a team of Engineers & Professionals passionate about changing the world of water through innovative, reliable, sustainable & cost-effective technologies.

We are water treatment solutions provider Company & specializes in the design, manufacturing & implementation of water treatment, wastewater treatment, and water reuse solutions while empowering communities & businesses to make most of their water resources.





OUR MISSION

Making this world a better place to live by delivering reliable & sustainable water & waste water solutions that produces high quality water, while saving energy & other valuable resources.



VISION

Clean planet, healthy humans, and economies intensified by reliable water treatment technology(s).



Values

- Integrity
- Reliability
- Pragmatic
- Accountability

ENVIROWELL WATER TREATMENT SOLUTION



REVERSE OSMOSIS (RO)

Capacity:
1,00 LPH- 25,000 LPH

DEMINERALIZATION (DM) PLANT

Capacity:
5kL-1500kL/Day

WATER TREATMENT

SOFTENER / ION EXCHANGE

Capacity:
50 to 5,000 m³/day

REVERSE OSMOSIS (R O)



Safe drinking water is fundamental to life.

Reverse osmosis (RO) desalination is a treatment process for the production of fresh, low-salinity potable water from saline water sources (seawater or brackish water) via membrane separation. Typically, the water with a TDS concentration higher than 500 mg/L and lower or equal to 15,000 mg/L (15 ppt) is classified as brackish.

Natural water sources such as sea, bay, and ocean waters that have TDS concentrations higher than 15,000 mg/L are generally classified as seawater.

Reverse Osmosis is very effective in treating brackish, surface, and groundwater for both large and small flow applications.

Based on bore well water, well water, ETP & STP treated effluent recycling after receiving raw water data from the client we design and suggest solutions.

We design, manufacture & install RO Plant for commercial, industrial & drinking applications.

We also manufacture customized units based on specific requirements.

Capacity: 1,000 LPH to 50,000 LPH

Our Specialty in RO

Reuse Effluent Water
Desalination of Seawater
Desalination of Brackish water

Application

- Municipal water preification
- Desalination of Sea Water
- Desalination of Brackish
- Water Boiler Feed Water
- Wastewater Treatment
- Spot-freeinse

DEMINERALIZATION (DM) PLANT



The water which has its minerals removed is also known as Demineralized Water.

Mineral ions contain cations Sodium, Magnesium, Calcium, Iron, Copper, and other heavy metals. It also contains anions such as Chloride, Sulphate, Nitrate, etc. These are the common ions that are normally present in the water. We design & manufacture plants for less than 1.0 $\mu\text{s}/\text{cm}^2$ conductivity or as per requirement & manufacture a wide range of Demineralization Plants (DM Plants).

We are the leading DM Plant supplier in all over north India. A demineralized Water plant (DM Plant) is used in various industries in India for different industrial process water applications.

These optimum-designed plants provide various benefits including water conservation and saving costs. As per client requirement & quality of DM water required we design the plant for less than 1.0 $\mu\text{s}/\text{cm}^2$ Conductivity or as per requirement.

Capacity: 1.0 kLD to 1500 kLD

Our Speciality in DM

Two-bed demineralizer
Mixed-Bed demineralizer

Application

- Cosmetic, Chemicals, Textile Industries
- Automobile, Batteries, Fertilizer Industries
- Swimming Pools, Laboratory
- Boiler Feed Water

WATER SOFTENER SYSTEM/ION EXCHANGE



Reduction of Hardness in water through Ion exchange technology.

Through the process of ion exchange, water softener systems work in removing magnesium and calcium found in the water by replacing them with sodium ions. As the hard water is introduced into the mineral tank, it meets a bed of resin beads that grab hold of the mineral ions, which effectively releases the sodium ions.

When water is hard, it can clog pipes, and damage boilers, heat exchangers, and many other devices. A water softener system can prevent these negative effects. Hard water causes a higher risk of lime scale deposits in industrial, commercial, and household water systems.

We, Design, Manufacture & supply a full line of standard and fully customizable water softener systems engineered we have several satisfied clients that use our water softener solutions.

Capacity: 50 to 1,000 m³ /Day

Our Speciality

- Fully Automated
- Manual Operated

Application

- Home & Apartments
- Villas
- Hospitals
- Hostels, Institution & Industrials

WASTE WATER TREATMENT SOLUTION



EFFLUENT TREATMENT PLANT (ETP)

Capacity:
10 -1,000 m³/day

SEWAGE TREATMENT PLANT (STP)

Capacity:
10 - 1,000 m³ /day

WASTEWATER TREATMENT

ULTRA FILTRATION (UF)

Capacity:
2kL- 200kL/ Hour

AEROBIC & ANAEROBIC PLANT

Capacity:
100-5,000m³/day

EFFLUENT TREATMENT PLANT (ETP)



ETP (Effluent Treatment Plant) is a process designed for treating industrial wastewater for its reuse or safe disposal in the environment

Decentralized / Packaged ETP:

We design, manufacture, erect, and commission effluent treatment plants (ETP) for industrial and commercial units at economical prices. Civil and allied works are optional and can also be done if required by the client.

The completed plant is handed over to the client after conducting successful performance and acceptance tests. Training is also provided to the operators of ETP. If required, we also provide our own operators at the client's site for the operation and maintenance of the effluent treatment plant.

We act as one-stop source of complete wastewater treatment solutions with a wide range of chemicals, systems, and services. We help your industry to meet stringent water discharge and reuse goals in compliance with statutory authorities

Capacity: 10 to 1,000 m³ /day

Experties

- On site visit and analysis
- Complete project management
- Designing & manufacturing of equipment Decentralized Packaged Plant (Fabrication).
- Installation with civil work
- Commissioning of the plant including training to operators
- After sales service and AMC programs

Type of industries we cater

- Power
- Food & Beverage
- Pharmaceutical
- Automotive
- Pulp & Paper
- Plating
- Cosmetics, Sugar & Distilleries
- Bulk drugs, etc

SEWAGE TREATMENT PLANT (STP)



Sewage treatment (or domestic wastewater treatment, municipal wastewater treatment) is a type of wastewater treatment that aims to remove contaminants from sewage to produce an effluent that is suitable for discharge to the surrounding environment or an intended reuse application, thereby preventing water pollution from raw sewage discharges.

Sewage contains wastewater from households and businesses and possibly pre-treated industrial wastewater. There are a high number of sewage treatment processes to choose from. These can range from decentralized systems (including on-site treatment systems) to large centralized systems involving a network of pipes and pump stations (called sewerage) which convey the sewage to a treatment plant

Decentralized / Packaged / Containerized STP :

We design, manufacture, erect, and commission Sewage treatment plant (STP) for industrial and commercial units at an economical price. Civil and allied works are optional and can also be done if required by the client. The completed plant is handed over to the client after conducting successful performance and acceptance tests.

Capacity: 10 to 1,000 m³ /day

Experties

- On-site visit and analysis
- Complete project management
- Designing & manufacturing of equipment Decentralized Packaged Plant (Fabrication)
- Installation with civil work
- Commissioning of the plant including training for operators
- After-sales service and AMC programs

Type of Industries we cater

- Residential - Apartments, Row House, Township, etc.
- Commercial- Malls, Hotels, Restaurants, Hospitals, etc.
- Industrial - All industrial segments

Technology

MBBR/MBR/SBR/
Extended Aeration /Anaerobic system/Aerobic system

AEROBIC AND ANAEROBIC TREATMENT SYSTEMS



Aerobic wastewater treatment systems

Aerobic digestion is usually employed as a second-stage wastewater treatment process and kicks in after larger contaminants have been removed from the waste stream using filtration or sedimentation techniques. Aerobic treatments are popular because they offer a cheap and efficient way of removing contamination in situations where there is lots of organic material in the wastewater.

Capacity : 1 0 0 t o 5 , 0 0 0 m³ / d a y

Anaerobic wastewater treatment systems

It is a biological process where microorganisms degrade organic contaminants in the absence of oxygen. In a basic anaerobic treatment cycle, wastewater enters a bioreactor receptacle. The bioreactor contains a thick, semi-solid substance known as sludge, which is comprised of anaerobic bacteria and other microorganisms. These anaerobic microorganisms, or

“anaerobes,” digest the biodegradable matter present in the wastewater, resulting in an effluent with lower biological oxygen demand (BOD), and chemical oxygen demand (COD), and/or total suspended solids (TSS), as well as biogas by-products. Anaerobic technologies are typically deployed for streams with high concentrations of organic material (measured as high BOD, COD, or TSS), often prior to aerobic treatment. Anaerobic treatment is also used for specialized applications, such as treatment of waste streams with inorganics or chlorinated organics, and is well-suited for treating warm industrial wastewater.

Capacity: 100 to 5,000 m³/day

ULTRA FILTRATION (UF) PLANT



Your Company

Ultrafiltration is another type of membrane filtration, which is a pressure-driven water filtration process. In the ultrafiltration process, membrane pore size plays an important role; feed water is pressed into modules through the pump, depending upon the pore size of the membranes contaminants are rejected and filtered water is taken out to the storage tank or further sent as RO feed water.

Ultrafiltration is considered more effective compared to traditional water filtration. An ultrafiltration system is used in turbidity removal; in addition, it also removes bacteria, viruses, microorganisms, particulate material, and natural organic materials from the water.

Capacity - 2 k L - 200k L /Hour

Ultra filtration System Applications

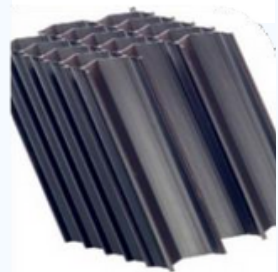
- Packaged drinking water
- Surface water filtration
- RO feed water
- Waste water recycle
- Latex paint wastewater treatment
- Effluent recycle
- Oil removal / Oil refining process
- Petrochemical wastewater treatment
- Dialysis machine
- Municipal water

ENVIROWELL FILTRATION MEDIA

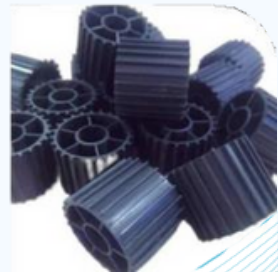
- **Sand Filter Media**
- **Activated Carbon**



- **Tube Deck Media**



- **Fab Media**



- **Filter & Vessel**



Water Treatment Chemical and Bio-Culture

- Alum



- Hydrated lime



- Polyelectrolyte



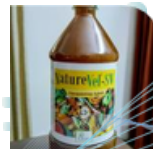
- Sodium Carbonate



- Bio-Culture
for ETP/STP



- Bio-Culture for
Composting waste



Envirowell Products and Services

Effluent Treatment Chemical

- Ferric/Non-Ferric Alum
- Ferrous Sulphate
- Polyelectrolyte
- Sodium Carbonate
- Ammonium Hydroxide
- Bio Culture
- Hydrate Lime
- Caustic Soda
- SMBS
- PAC Liquid

R.O/D.M Softener Chemical

- Anti Scalant
- Descaling Chemicals
- Biocides
- De-Rusting Chemicals
- Ion Exchange Resin
- Membrane Cleaner
- R.O Membrane
- R.O cartridge filter

Services of Plants

- Annual Maintenance Contract
- Operation And Maintenance
- One Time Service Consultancy

For all types of water and wastewater treatment plants

OUR VALUED CUSTOMER

Panasonic



LOTUS
HERBALS

Multani
Pharmaceuticals Limited

MA
MALVIKA AHUJA
ARCHITECTS


herbal concepts

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