



Bachelor's Enterprise

(Supplier & Service Provider of all types of water Purification system)

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OVERVIEW

We started our journey in 2016. We believe that everyone has to embrace reality. Better Bangladesh is a vast concept, it will practically become true only when desired development can be ensured in every field of living. In order to face the challenge, people leave their homes back and begin to interact with people of different types who are unknown to them. This life is known to all, the life of a bachelor. The life of a Bachelor is a huge source of freedom. People become self-reliant as they have to go through different experiences like self-reliance, tolerance, empathy, brotherhood and sharing. People arrived from different families with different culture and enterprise has also derived from a family consisting of four friends. That's how the Bachelors Enterprise organization was formed by four friends.

VISION

We dream of a positive Bangladesh through continuous development and refinement of technology, education, research and entrepreneurship.

MISSION

We commenced working on pure water keeping the "problem solving, manner as our approach". We want to work with pure water, leaving "problem solving, our method as method". We are working on drinking water solutions, water treatment plants and wastewater treatment plants and all kinds of water purification.



REVERSE OSMOSIS (RO) WATER TREATMENT PLANT

Removes Contaminants (RO) systems remove dissolved solids, chemicals, and harmful contaminants such as heavy metals (lead, mercury), fluoride, chlorine, nitrates, arsenic, ensuring clean and safe drinking water.



Capacity: 250Ltr/hr~5m³/hr

Advantage:

- ▶ Effective Contaminant Removal: 99.9 %.
- ▶ Improves Water Taste and Quality.
- ▶ Reduces Hard Water Problems.
- ▶ Cost Savings.
- ▶ Eco Friendly.
- ▶ Removes Harmful Microorganisms.
- ▶ Minimal Maintenance.
- ▶ Saves Energy.
- ▶ Improved Health Benefits.
- ▶ Supports Industrial and Agricultural Use.



Capacity: 5m³/hr~100m³/hr

Features :

- ▶ Multi Stage Filtration System.
- ▶ High Rejection Rate of Contaminants.
- ▶ Automatic Operation.
- ▶ Energy Efficiency.
- ▶ User Friendly Interface.
- ▶ Compact and Modular Design.
- ▶ Durable RO Membrane.
- ▶ Built in Storage Tank.
- ▶ TDS Controller.
- ▶ UV and UF Add ons.
- ▶ Low Maintenance Requirements.
- ▶ Customizable for Various Water Sources.
- ▶ Pressure and Flow Control.
- ▶ Wastewater Recovery Option.
- ▶ Corrosion Resistant Materials.

User Benefits :

- ▶ Improves Water Taste and Odor.
- ▶ Eliminates Microorganisms.
- ▶ Reduces Hard Water.
- ▶ Cost Effective.
- ▶ Energy Efficient.
- ▶ Environmental Benefits.
- ▶ Health Benefits.

IRON REMOVAL WATER TREATMENT PLANT

Iron removal plants, also known as iron removal filters or iron filters, are used to treat water contaminated with excess iron and other impurities. These plants offer several benefits in improving water quality and ensuring safe and clean water for various domestic, industrial, and agricultural purposes.

User Benefits:

- ▶ Improved Water Quality: Clearer and less turbid water.
- ▶ Prevention of Staining: Clothes, fixtures, and appliances, such as sinks and Washroom.
- ▶ Reduction in Metallic Taste and Odor: Metallic taste and an unpleasant odor.
- ▶ Protection of Plumbing and Appliances: Maintenance and replacement expenses.
- ▶ Industrial Applications: Maintain product quality and equipment performance.
- ▶ Reduction in Maintenance Costs: Plumbing, appliances, and equipment,
- ▶ Environmental Benefits: Harmful to aquatic life and ecosystems.
- ▶ Health Benefits: Taste and odor of water.



Capacity: 1m³/hr~8m³/hr



Capacity: 9m³/hr~15m³/hr



Capacity:
20m³/hr~
100m³/hr

SOFTENER WATER TREATMENT PLANT

A water softener works to treat hard water by removing the minerals responsible through a process called ion-exchange. Mineral ions that cause hardness and damage to your home are trapped by resin within the system and exchanged for sodium and potassium ions. The main hardness causing ions are Calcium (Ca^{2+}), Magnesium (Mg^{2+}) and Bicarbonate (HCO_3^-). These ions or minerals are normally addressed as scale in the water causing scaling of pipes and equipment. **BachelOr's Enterprise** offers water softeners related to Water Treatment Plant, equipment for laboratories and industrial applications.

User Benefits:

- ▶ Saves money : Plumbing, Boiler Scaling. Appliances, Gas or electric bills, Soap and detergents.
- ▶ Cleaner hair and softer skin: Effects of soft water on skin.
- ▶ Effects of soft water on hair Brighter and softer clothes: Brighter clothes, cleaner clothes.
- ▶ Less time cleaning.



Capacity: $5\text{m}^3/\text{hr}$ ~ $15\text{m}^3/\text{hr}$ (FRP Vessel)



Capacity: $20\text{m}^3/\text{hr}$ ~ $50\text{m}^3/\text{hr}$ (Ms Vessel)

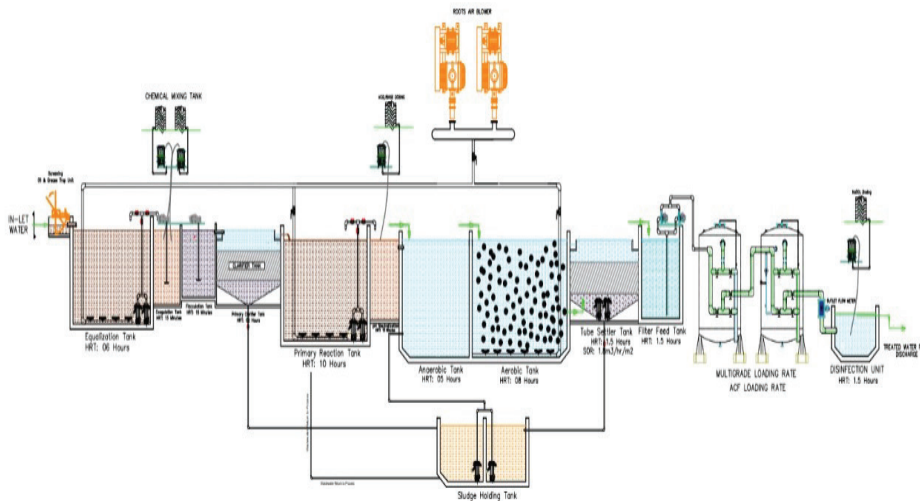


Capacity: $30\text{m}^3/\text{hr}$ ~ $150\text{m}^3/\text{hr}$ (Ms Vessel)



Capacity: $15\text{m}^3/\text{hr}$ ~ $100\text{m}^3/\text{hr}$ (SS Vessel)

EFFLUENT TREATMENT PLANT- (ETP)



ETP –Effluent Treatment Plant

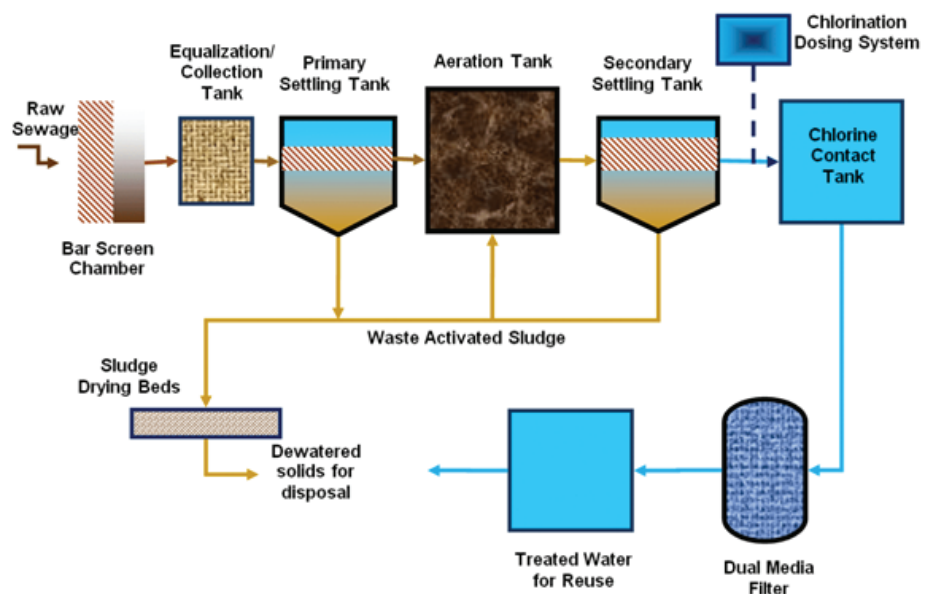
- ▶ Full Biological
- ▶ Bio Chemical
- ▶ Physico-Chemical
- ▶ MBBR
- ▶ MBR

The ETP Process is a summation of some steps:

- ▶ Primary Treatment : Oil Fatty acids and suspended solids could be removed, such as Screens, Coagulation, flocculation, Electrolysis, Settling and precipitation Etc.
- ▶ Biological Treatment: Biological treatment is used to lower the organic load of soluted organic compounds.
- ▶ There are two main Categories: Aerobic & anaerobic treatment. In aerobic systems the water is aerated with compressed air, anaerobic system run under oxygen free conditions.

SEWAGE TREATMENT PLANT- (STP)

Sewage treatment plants (STP) work through a series of steps that involves extracting waste and oxygenating wastewater. By this time, sewage water moved through the entire process, it has been disinfected and discharged. In the process of sewage treatment, oxygen goes into the wastewater for help in speeding along and chemicals are added to remove organic matter and toxins. It then release into a river, creek or stream.



SWIMMING POOL & WATER BODY FILTRATION



Swimming Pool



Deep Leaf Net Skimmer



Pool Water Inlet



Pool Drain



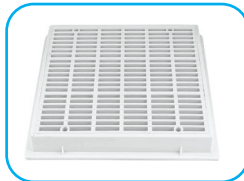
Pool Ladder



Vacuum Hose



Skimmer



Main Drain Cover



Pool Brush



Telescopic Handle



Test Kit



Gel



Chlorine



Heat Pump



Filtration Media



Multiport Valve



Filter With Pump



Swimming Pool Filter Vessel



Pool Pump



Pool Pump



Pool Pump



Water Body

ALL TYPES OF HOUSEHOLD & COMMERCIAL WATER PURIFIER MACHINE



10" Housing UV
System Water Purifier



75 / 100 GPD RO
Water Purifier



100 / 200 GPD
RO Water Purifier



20" Housing UV
System Water Purifier



75 GPD RO+UV+UF
Water Purifier



50 GPD RO
Water Purifier



400 / 600 GPD RO
Water Purifier



400 / 800 GPD Cabinet
RO Water Purifier



100 GPD Cabinet
RO Water Purifier



Hot/ Cold/ Warm System
RO Water Purifier



Hot/ Cold/ Warm System
RO Water Purifier



Hot & Cold
PVC Dispenser

ALL TYPES OF WATER PURIFIER ACCESSORIES



WATER TREATMENT PLANT FILTER MEDIA & ACCESSORIES



Auto Multiport Valve



Manual Multiport Valve



FRP Membrane Housing



SS Membrane Housing



6,12,16,25,35,55,110, 210 & 420 W UV Set



FRP Micron Housing



SS Micron Housing



20"/"30"/"40" PP Filter



Jumbo PP Filter



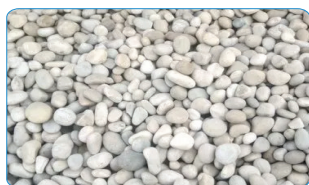
Jumbo Housing



Dosing Pump



Sand (0.8mm-2mm)



Gravel (1/4", 1/2", 3/4", 1")



Manganese



Anthracite



Birm Media



DMI 65



Katalox lite



Activated Carbon



Cation Resin



Anion Resin



Mixed Bed Resin



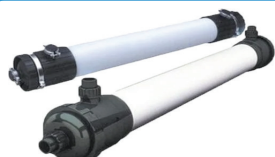
4040 RO Membrane



8040 RO Membrane



4046 UF Membrane



8060 UF Membrane



Strainer Filter



Antiscalant Chemical

ETP & STP PLANT ACCESSORIES



Coarse Bubble Diffusers



Fine Bubble Disc Diffusers



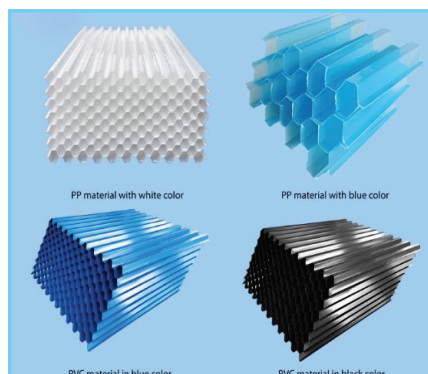
Fine Bubble Tube Diffusers



MBBR (Moving Bed Biofilm Reactor)



MBBR (Moving Bed Biofilm Reactor)



Tube-settlers



Dosing Pump



Ring Blower



Roots Blower



Roots-Air-Blower with Motor



Filter Press for Sludge Dewatering



Screw Spress for Sludge Dewatering

OUR VALUABLE CLIENT'S



OUR PRODUCTS & SERVICES

- ▶ Residential & Commercial Water Purification System.
- ▶ Industrial Water Treatment Plant.
- ▶ Softener Water Treatment Plant.
- ▶ Iron Removal Water Treatment Plant.
- ▶ UV System Water Treatment Plant.
- ▶ Reverse Osmosis (RO) Water Treatment Plant.
- ▶ RO+UV System Water Treatment Plant.
- ▶ RO+UV+UF System Water Treatment plant.
- ▶ DM Water Treatment Plant.
- ▶ Rain Water Harvesting System.
- ▶ Surface Water Treatment Plant.
- ▶ Swimming Pool & Water Body Filtration System.
- ▶ Wastage Water Treatment Plant-WWTP.
- ▶ Customized Drinking Water Treatment Plant.
- ▶ Jar Water, Bottle & Battery Water Plant.
- ▶ Effluent Treatment Plant-ETP.
- ▶ Sewerage Treatment Plant-STP.
- ▶ ETP Recycling & Re-Use Water Treatment Plant.
- ▶ All Types of Equipment's for Water Treatment Plant & Purification System.

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