



Bachelor's Enterprise

Complete Water Treatment & Purification Solutions

Plot-01, Road-01, Block-KA, Section-06, Mirpur-2, Dhaka-1216

Mobile: 01737-990350, 01847-237906, Tel: 02-58051453

e-mail: bachelors.enterprise@gmail.com

www.bachelorsenterprise.com

ORGANIZATIONAL STRUCTURE OF BACHELOR'S ENTERPRISE



QBM PRINCIPLES

ALLAH IS
THE OWNER

TEAM MEMBERS
ARE AN
AMANAH

5000+
CUSTOMERS
HAVE PLACED THEIR
TRUST IN US

2% OF DISTRIBUTION
ALLOCATED TO THE
FI-SABILILLAH FUND



REVERSE OSMOSIS (RO) WATER TREATMENT PLANT

Reverse Osmosis (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

User Benefits :

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

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.

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: 01m³/hr~05m³/hr



Capacity: 20m³/hr~40m³/hr



Capacity: 05m³/hr~10m³/hr



Capacity: 50m³/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: $1\text{m}^3/\text{hr} \sim 5\text{m}^3/\text{hr}$



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

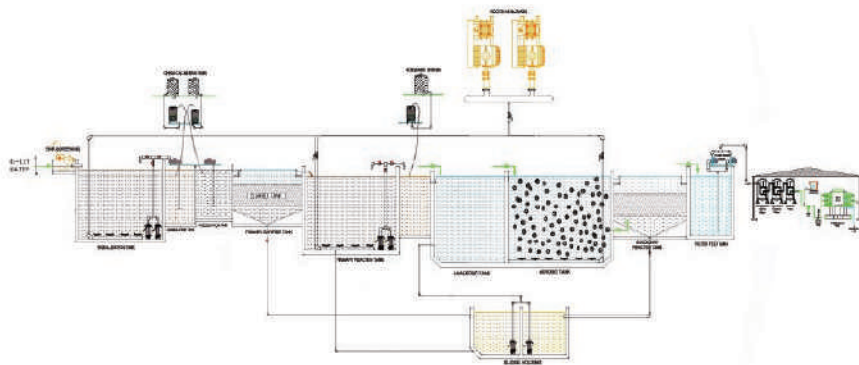


Capacity: $30\text{m}^3/\text{hr} \sim 150\text{m}^3/\text{hr}$ (Ms Vessel)



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

EFFLUENT TREATMENT PLANT- (ETP)



ETP – Effluent Treatment Plant

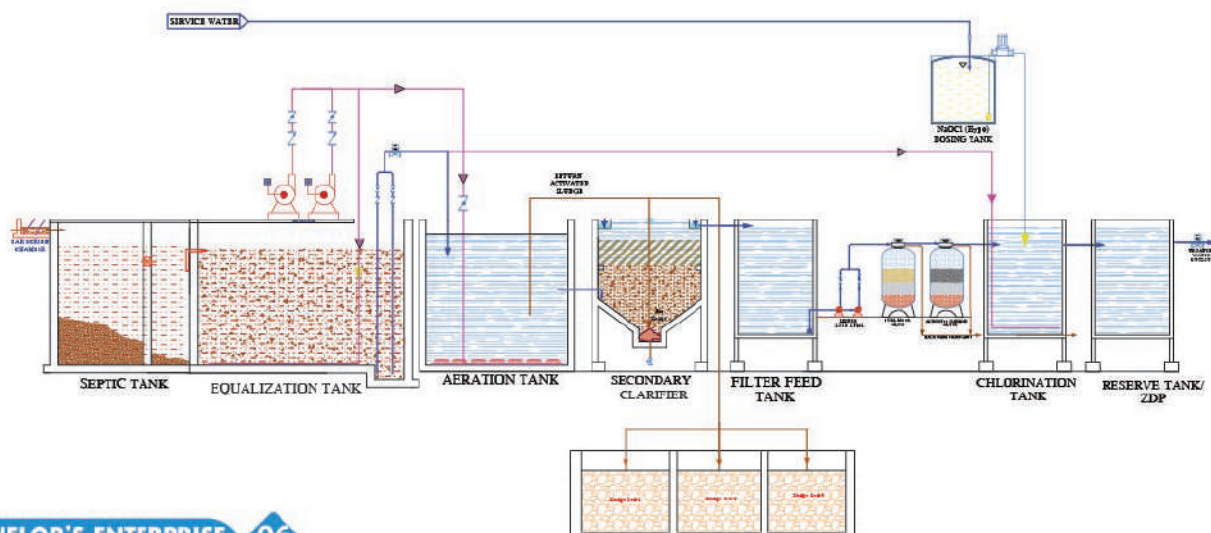
- ▶ Full Biological
- ▶ Bio Chemical
- ▶ Physico-Chemical
- ▶ MBBR
- ▶ MBR

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.



RAIN WATER HARVESTING

Rainwater Harvesting

Rainwater Harvesting is an eco-friendly and sustainable water management system that collects, filters, stores, and reuses rainwater for various purposes.

Key Features:

Collection of rainwater from rooftops and surface runoff, Efficient filtration and treatment system, Storage in underground or overhead tanks, Easy and sustainable water reuse, Suitable for residential, commercial, and industrial applications

Benefits

Reduces dependency on groundwater, Helps reduce water consumption and costs, Supports sustainable water management, Environment-friendly and resource-efficient, Reusable for gardening, toilet flushing, cleaning, and other non-potable purposes Suitable for buildings, industries, institutions, and communities "Harvest Rainwater Today, Secure Water for Tomorrow."



ROOFTOP COLLECTION



FILTRATION SYSTEM



BOTTLED WATER PLANT



Purpose:

The main purpose of a bottled water business is to provide safe, purified, and hygienic drinking water in convenient packaging. Bottled water can be supplied to offices, hotels, restaurants, hospitals, shops, events, and general consumers, creating a consistent demand for the product.

Profit Potential:

Bottled water can be a profitable volume-based business. Profit depends on production cost, packaging cost, distribution expenses, selling price, and sales volume. With efficient production, strong distribution, and regular customers, the business can generate a sustainable profit.

HOUSEHOLD & COMMERCIAL PRODUCTS



6watt UV
System Water Purifier



12,16watt UV
System Water Purifier



75 / 100 GPD
RO Water Purifier



200 / 400 GPD RO
Water Purifier



600 / 800 GPD Cabinet
RO Water Purifier



75 GPD RO+UV+UF
Water Purifier



50 GPD RO
Water Purifier



75 GPD RO Water Purifier
Hot, Cold & Normal



75 GPD
RO Water Purifier



100 GPD Cabinet
RO Water Purifier



Hot & Cold
PVC Dispenser



Hot/ Cold/ Warm System
RO Water Purifier



Hot/ Cold/ Warm System
RO Water Purifier



Hot, Cold & Normal
RO Water Purifier



Hot, Cold & Normal
SS Dispenser

ALL TYPES OF WATER PURIFIER ACCESSORIES



WATER TREATMENT PLANT FILTER MEDIA & ACCESSORIES



Auto Multiport Valve



Manual Multiport Valve



Strainer Filter



Dosing Pump



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



FRP Micron Housing



SS Micron Housing



PP/Yarn Filter (20"/30"/40")



Sand (0.5,1,2 & 4mm)



Gravel (1/4", 1/2", 3/4", 1" & 1.5")



Cation Resin



Anion Resin



Mixed Bed Resin



Manganese



Katalox lite



Birm Media



DMI 65



Activated Carbon (Coconut Shell)



Activated Carbon (Coal Based)



Anthracite



FRP Membrane Housing



SS Membrane Housing



4046/8060 UF Membrane



4040/8040 RO Membrane



Antiscalant Chemical



FRP Vessel



SS Vessel



MS Vessel

ETP & STP PLANT ACCESSORIES



Coarse Bubble Diffusers



Fine Bubble Disc Diffusers



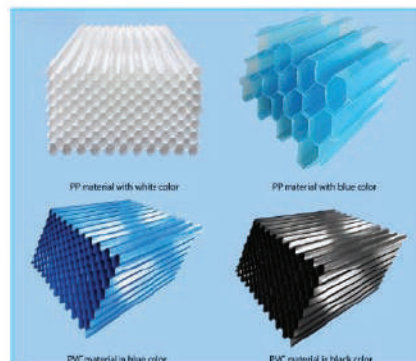
Fine Bubble Tube Diffusers



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 Press for Sludge Dewatering

GOVERNMENT DPHE PROJECT ARSENIC & IRON REMOVAL PLANT



SOME OF OUR ICONIC PROJECT



Project: Farmgate



Project: Payra



Project: Tongi BSCIC



Project: Tongi BSCIC



Project: Chittagong



Project: Valuka



Project: Mawna



Project: Ishwardi EPZ

OUR VALUED CLIENT'S & PARTNERS



OUR VALUED CLIENT'S & PARTNERS





Scan for Bachelor's
Enterprise Profile



Corporate Office Address:

📍 Plot-01, Road-01, Block-KA, Section-06, Mirpur-2, Dhaka-1216
☎ 01737-990350, 01847-237906, Tel: 02-58051453
bachelors.enterprise@gmail.com
Bachelor's Enterprise
www.bachelorsenterprise.com

Warehouse Address:

📍 Jajhor, Gacha, Gazipur (Vogra Bypass).

