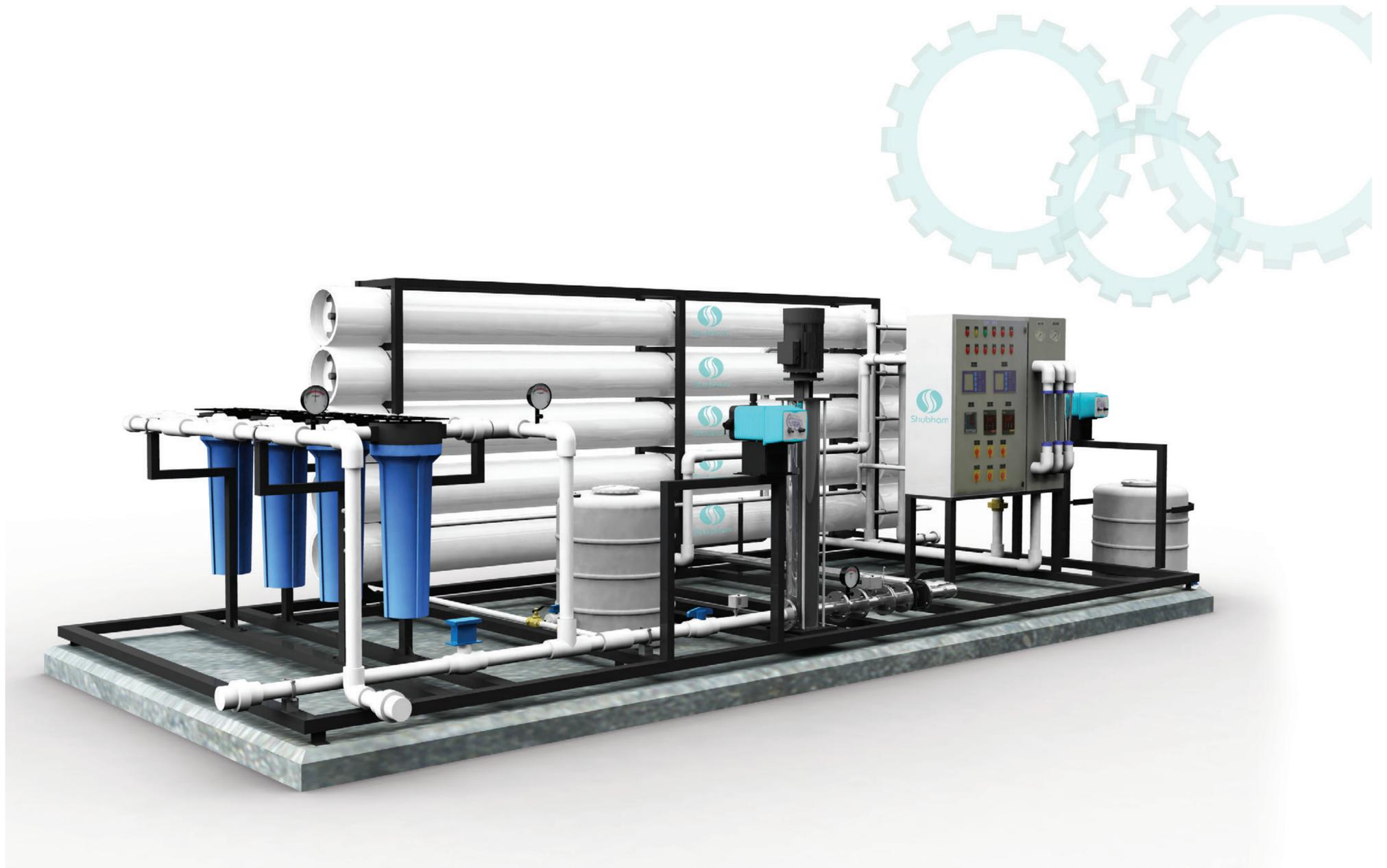


## REVERSE OSMOSIS PLANT



'The difference between ordinary and extra ordinary is that little extra'

If the above quote sounds interesting, you would be inclined to know what is that little extra missing in a RO Plant that makes it energy guzzler or water guzzler or both. The answer is - right technical design, trusted components and perfect workmanship.

Shubham RO Plants are designed for an optimized solution to customers' requirements in terms of output water quality, water efficiency, energy efficiency, maintenance costs and the capital costs. While plant sizes and input water quality are the variables always, optimizing quality, efficiencies and costs is an invariably admired constant at Shubham.

In addition to stand alone water purification purpose, often aimed at reduction of Total Dissolved Solids (TDS) from brackish water or sea water, Shubham RO Plants are sought for integration with a variety of waste water treatment systems and water treatment systems. Our RO Plants are all time retrofit ready.



## FEATURES

- Modular - Each plant is one module
- Prefabricated - Pre-engineered, Pre-assembled, Factory Tested
- Scalable - Just add module to raise capacities
- Durable
  - All components are of proven quality
  - Excellent workmanship
  - Long Lasting Membranes
  - Reliable Control Mechanism
  - Easy Maintenance Design
  - Low Maintenance Quality
- Retrofit Ready - Can be integrated to a waste water systems and other water treatment systems
- Optimized Matrices - Water quality, Energy efficiency, Recovery Efficiency, Recurring Costs and Capital Costs

## CAPACITY -CAPABILITY

- Flow Rate Range - 0.25M<sup>3</sup>/Hr to 50 M<sup>3</sup>/Hr
- Inlet TDS (Total Dissolved Solids)
  - Up to 10,000 Mg/L for brackish water
  - Up to 35,000 Mg/L for sea water
- Outlet TDS (Total Dissolved Solids) - 98% Rejection
- Flux Rate Range - From 15 LMH to 30 LMH

## PICK & CHOOSE

- Flow Meters cum Transmitters - Rota meter / Digital flow meters
- Pre-filters - PP / MSRL/ SS with 5 micron cartridges
- Membranes Housing - FRP / SS
- RO Skid - MSEP / SS
- Controls - Electrical Controls / Microprocessor Based / PLC Controls with on line reporting & messaging

## APPLICATIONS

- Boiler water treatment
- Cooling tower water treatment
- Process water
- Drinking water
- Horticulture for high end crops
- Dialysis
- Laboratories
- Purified Water (PW) for pharmaceuticals
- Water for electrical conductor circuits \*
- Wastewater recycling
- Zero Liquid discharge system  
[\*along with water polishing system]