



**NIRTECH PVT. LTD.**  
*Redefining Water Solutions*





Nirtech Pvt. Ltd. an ISO 9001: 2015 certified Company, promoted by technocrats offering more than 25 years of rich experience in water and wastewater treatment solutions, across a wide range of process industry verticals. Our performance in the design, quality and timely delivery makes us the preferred choice of our customers.

**'Round Disc RO'™ (RDRO™) with German Technology**

The specialized 'Round Disc RO'™ (RDRO™) is designed for the treatment and reuse of highly polluted wastewater.

The system features a vertically mounted module with Octagonal membrane cushions made of TFC Polyamide and a Round hydraulic disc made of Special Grade Polymer.

**Key Advantages**

- Can handle contaminated waste water
- Can handle High SDI, TSS, TDS, COD, BOD, Ammonical Nitrogen etc.
- Can offer recovery up to 97% based on feed parameters
- Available in high pressure upto 120 bar
- Modules are easy to clean and maintain
- Membrane cushion can be easily replaced
- CIP / Cleaning is easy
- Lower Opex Cost and Area required
- Reduction of MEE volume

**RDRO Applications**

- ETP treated Effluent in Pharmaceuticals & Chemicals, Sugar, Distilleries & Breweries, Textiles, Tanneries, Dyes & Pigments, Pesticides & Fertilizers, Automobiles & Paints, Starch, Electroplating, Refineries & Petrochemicals.
- Treatment of existing RO Rejects
- Leachate treatment
- Desalination
- Treatment of brackish water, grey water and ground water
- Product recovery

**Offerings**

- Design & Supply of New Systems
- Revamping & upgrading Existing Systems
- Pilot Trials for sound decision making
- Spares & Consumables
- Chemical Cleaners
- Membrane Cushions & Hydraulic Discs
- Operation and Maintenance



## Water Treatment Plants

At Nirtech, we provide state-of-the-art Water Treatment Plants (WTP) designed to meet the diverse needs of various industries.

### For optimizing water quality and system efficiency, our solutions include:

- Spiral Reverse Osmosis (SPRO) plants for pure water from clean water sources
- Ultra Filtration (UF) systems for removing suspended solids
- De-mineralized (DM) water plants for high-purity water production
- Softener units to reduce hardness
- Condensate Polishing Units ensure the removal of impurities from condensate

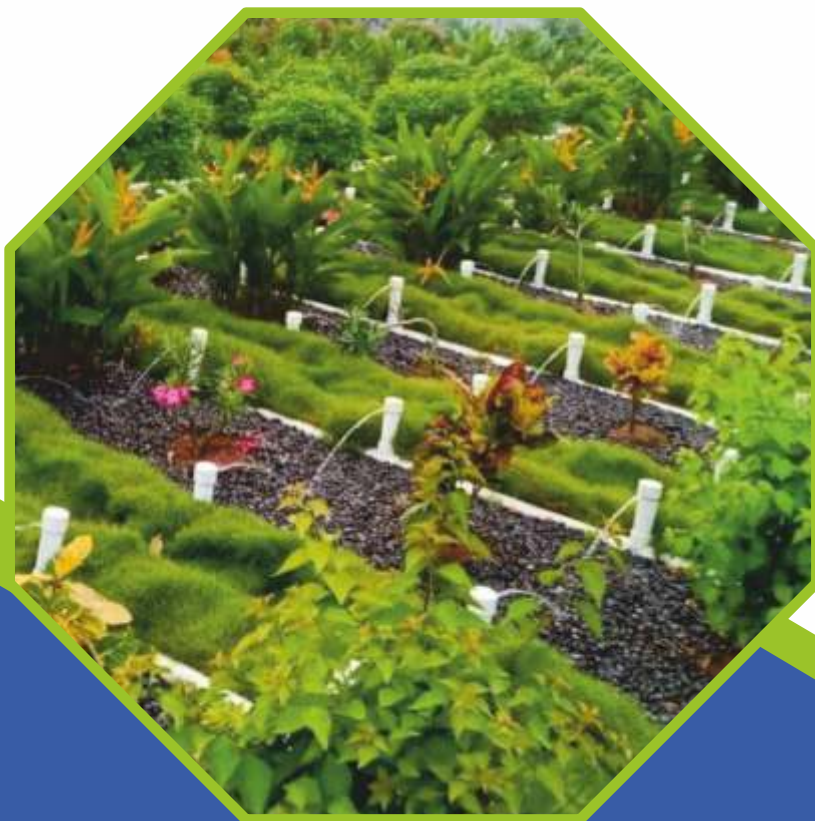


## ETP - Nature Based Biological System (NBBS)

Our flagship offering is an advanced nature based biological system designed to effectively treat a variety of waste water, including domestic, municipal, and industrial effluents. It excels in treating challenging effluents like landfill leachates, textile mill effluents, MEE condensate, and is particularly effective in reducing phenols, COD, BOD and ammonical nitrogen.

### Key Features:

- Green Technology
- Low Opex cost
- No sludge Generation
- Easy to operate



## Sludge Dewatering – Multi Disc Screw Press (MDSP)

MDSP streamlines sludge management with advanced features like automatic control, clog-free design, low power consumption, low noise / vibration, small footprint and easy operation & maintenance.



### For the Zero Liquid Discharge (ZLD), we offer:

- Stripper
- Multiple Effect Evaporator (MEE)
- Mechanical Vapour Recompression Evaporator (MVRE)
- Agitated Thin Film Dryer (ATFD)

At Nirtech, we provide comprehensive systems that ensure efficiency, sustainability, and compliance with environmental standards. Nirtech's solutions are engineered to optimize resource usage, reduce operational costs, and ensure long-term reliability.



**NIRTECH PVT. LTD.**  
*Redefining Water Solutions*

#### 📍 Corporate Office:

411, Filix Tower, LBS Marg, Bhandup West,  
Mumbai, Maharashtra - 400078, India

#### 📍 Works Office:

A2/2, Jai Ambe Indl. Estate, Pimplas Village, Off Mumbai – Nasik Highway,  
Bhiwandi – 421311, Dist Thane, Maharashtra, India

☎ +918369345173 / +918369345178 / +919920463699

✉ rohan@nirtech.in, nirtech@gmail.com

🌐 <https://www.nirtech.in>