

This master document architecture maps the complete product portfolio and service capabilities of BAVANYA. Organized systematically, it serves as the precise structure for website backend configuration, inventory cataloging, and corporate client pitches.

1. OUR COMPREHENSIVE PRODUCT RANGE

A. WATER TREATMENT SOLUTIONS	B. FILTER MEDIA
- Industrial RO Plant - Commercial RO Plant - Domestic RO Plant - Water Softener - Iron Removal Plant (IRP) - Sand Filter - Activated Carbon Filter - DM (Demineralization) Plant - Mixed Bed Plant - UF (Ultrafiltration) System - UF Membrane - UV (Ultraviolet) System - Ozonation System - STP (Sewage Treatment Plant) - ETP (Effluent Treatment Plant)	- Quartz Sand - Activated Carbon - Coconut Shell Carbon - Gravel - Cation Resin - Anion Resin - Mixed Bed Resin - Manganese Dioxide - Green Sand - Anthracite - Garnet

C. RO COMPONENTS

- FRP Vessel
- SS Vessel
- Pressure Vessel
- 4040 RO Membrane
- 8040 RO Membrane
- Membrane Housing
- Cartridge Housing
- PP Cartridge
- Wound Cartridge
- Bag Filter Housing
- Bag Filter

D. VALVES & ACCESSORIES

- Multiport Valve (Top Mount)
- Multiport Valve (Side Mount)
- Softener Valve
- Solenoid Valve
- Ball Valve
- Butterfly Valve
- NRV (Non-Return Valve)
- Pressure Relief Valve
- Pressure Gauge
- Flow Meter (Rotameter)
- Sampling Valve

E. PUMPS

- Feed Pump
- High Pressure Pump
- Multistage Pump
- Dosing Pump
- Transfer Pump
- Booster Pump

F. CHEMICAL SOLUTIONS

- Antiscalant
- Sodium Hypochlorite
- Hydrochloric Acid (HCl)
- Caustic Soda
- pH Booster
- pH Reducer
- Membrane Cleaning Chemicals

G. PIPES & FITTINGS

- UPVC Pipes & CPVC Pipes
- HDPE Pipes & PP Pipes
- SS (Stainless Steel) Pipes
- Comprehensive Pipe Fittings
- Flanges, Unions & Nipples

H. INSTRUMENTS

- TDS Meter
- pH Meter
- Conductivity Meter
- ORP Meter
- Industrial Pressure Gauge
- Digital / Analog Flow Meter
- Level Controller & Level Switch

I. FIRE PROTECTION SYSTEM

Fire Pump

Jockey Pump

Fire Hydrant Valve

Hose Reel & Fire Hose

Landing Valve

Sprinkler Systems

Fire Alarm System

Fire Extinguisher

Fire Panel & Pressure Tank

2. TECHNICAL SERVICES & TARGET SECTORS

PROFESSIONAL SERVICES PROVIDED

- **Plant Design:** Customized blueprints matching raw water analytics.
- **Installation & Commissioning:** Seamless on-site deployment.
- **AMC:** Annual Maintenance Contracts for prolonged system life.
- **Plant Upgradation:** Retrofitting legacy systems for higher output.
- **Water Testing & Support:** Advanced chemical and lab diagnostics.
- **Spare Parts Supply:** Immediate availability of industrial components.

INDUSTRIES & SECTORS WE SERVE

Hospitals

Hotels

Schools & Colleges

Apartments

Pharmaceutical

Food & Beverage

Dairy Industry

Textile Industry

Tea Industry

Chemical Industry

Power Plants

Government Projects

Commercial Buildings

3. STRATEGIC VALUE & COMMERCIAL ECOSYSTEM

Quality Products & Expert Technical Team

Engineered for robust real-world industrial environments with uncompromised component quality and expert calibration.

Fast Delivery & Professional Installation

Minimized supply chain lag paired with professional commissioning to guarantee immediate operational uptime.

Reliable After-Sales Service & Competitive Pricing

A strict commitment to affordability backed by an active field maintenance ecosystem to keep capital expenses low.

Future Vision: Pan-India Supply Chain

Expanding logistics networks across states to service Tier-1, Tier-2, and industrial zones nationwide.

FUTURE CHANNEL & BUSINESS PARTNERS

Our growth roadmap actively integrates strategic alliances across three distinct domains:

- 1. Dealers:** Regional retail and supply partners managing consumer-facing or localized setups.
 - 2. Distributors:** Large-scale logistics nodes ensuring inventory fluidness and product accessibility.
 - 3. OEM Partners:** Original Equipment Manufacturers leveraging BAVANYA's certified engineering components.
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