



GLOBAL TECHNOLOGY MANAGEMENT

Stepping towards Environmental Sustainability

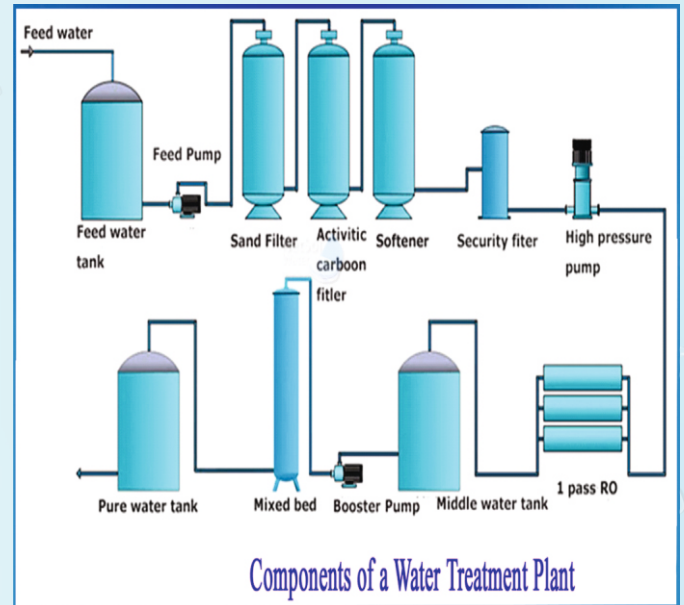
Authorised Channel Partner of ION EXCHANGE INDIA LTD.



**Industrial Solution Provider For Water Treatment Plants,
Water Treatment Chemicals, Centrifugal Pumps,
Water And Energy Conservation Survey & Projects**

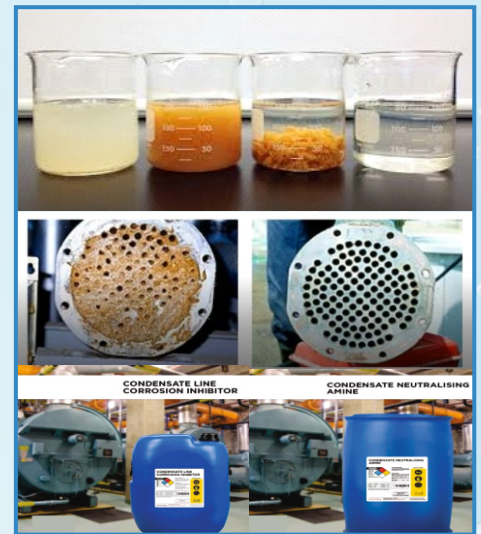
Water Treatment Plants

- Chlorine Generator & Online Dosing System
- Aeration System
- Clarifier System
- Multi Grade Sand Filter
- Activated Carbon Filter
- Iron Removal Filter
- Micron Cartridge Filter
- Ultra Filtration System
- Reverse Osmosis System
- Softner Unit
- De Mineralization Plant
- Sewage Treatment Plant
- Effluent Treatment Plant & Recycle
- Water Treatment Spare Parts & Consumable
- Centrifugal Pumps



Water Treatment Chemicals

- Coagulant, Flocculent- Polymer, Online Disinfectant
- Boiler Water Treatment- Oxygen Scavenger, Deposit Controller, pH Booster, Coil & Tubes Desclant
- Cooling Tower Water Treatment- Corrosion & Scale Inhibitor, Oxidizing Biocide, Non Oxidizing Biocide, Bio Dispersant,
- Chiller Water Treatment- Corrosion & Scale Inhibitor, Descalant
- Reverse Osmosis Membranes Antiscalant, Desaclant, Additives
- Disinfectant for Stagnant water sump & reservoir



Our Services



- Water Treatment Projects
- Preventive Maintenance Services
- Emergency Breakdown
- Trouble Shooting Services
- Water & Energy Internal Survey
- Organizing Technical Water & Waste Treatment Training



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WATER TREATMENT

WIDEST RANGE OF ADVANCED WATER TREATMENT SOLUTIONS

For more than five decades, Ion Exchange has been providing a complete range of products and solutions for water treatment needs of industries, institutions, municipalities, homes and communities, (urban & rural) globally. Our water treatment solutions include a wide range of customized and pre-engineered water treatments plants for clarification, filtration, disinfection, process water treatment and post treatment to polish treated water in order to meet critical quality requirements for various uses.



RAW WATER TREATMENT



PROCESS TREATMENT



POST TREATMENT



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WASTE WATER TREATMENT

STATE-OF-THE-ART WASTE WATER TREATMENT PLANTS

Our wide applications and pioneering solutions achieve water management through waste water recycle and source reduction; and waste management through product recovery and waste minimization.

These integrated systems use innovative, energy efficient, cost effective membrane, advanced oxidation and evaporation technologies. They conserve water through recycle of waste water and recover valuable products for reuse, achieving zero liquid discharge objectives, thus giving our customers a good return on investment while protecting the environment. We select the most appropriate technologies and treatment schemes after bench scale and pilot plant studies and detailed site survey.

They are designed for the recovery and reuse of water and products, such as Water from power plant, fertilizer, electronics, electroplating, textile, chemical, food & beverage, pulp & paper, pharmaceuticals and automobile industries.



WASTE WATER SYSTEMS



WATER RECYCLE



ZERO LIQUID DISCHARGE (ZLD)



SPECIALITY CHEMICALS

INDION® SPECIALTY CHEMICAL TREATMENT PROGRAMMES

Ion Exchange offers a complete range of world-class speciality, customised chemical treatment programs for utility and process applications in all industries.

Our INDION® Specialty Water Treatment Programme includes cooling water treatment, boiler water treatment, fireside treatment, coagulants, flocculants, antiscalants, membrane cleaning chemicals and water testing kits. We also offer a range of INDION® speciality chemicals for sugar, paper, petro-refinery, mining and other processes.



INDION® Boiler Water Treatment



INDION® Fireside Treatment



**Antiscalants & Membrane
Cleaning Chemicals**



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INSTRUMENTS & AUTOMATION

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Industrial water quality must be monitored closely to achieve high level of operational efficiency and also to safeguard plants and process equipment from corrosion, microbial and fouling etc. At Ion Exchange, we have a wide range of instruments to monitor process and waste water parameters such as pH/ORP, conductivity, resistivity, dissolved oxygen, turbidity and ammonia.

They are available in models to suit every environment – handheld/portable, benchtop, wall/field mounted, panel and rack mounted.



**INDION Online
Controllers & Transmitters**



**INDION Water Quality
Monitoring Instruments**



**INDION Water Quality
Measuring Indicators**

INDION® Autochem

Our cooling and boiling water processes are supported by our very own INDION® Autochem system which helps in real time monitoring, analysis and control of the treatment program, resulting in better performance, greater efficiency and cost optimization. It also helps to adhere to environmental, health & safety compliances.



Our Projects

- Installed Recycle Plant in ETP Recycle Project
- Capacity: Pretreatment Equalization- Clarification Unit- MGF- ACF-Heavy Metal Removal Unit- 500 KLD
- Recycle Plant for UF-RO1- RO2- 370 KLD



- Installed DM Plant in 6.5 MW Power Plant Project
- Water Source: Narmada River (Surface Water)
- Capacity: Pretreatment MGF- ACF 1430 KLD
- Softening Unit 800 KLD
- DM Plant for – SAC-DG-WBA-SBA-MB-UF 320 KLD





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Ahmedabad Office

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