



#### Corporate Office

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#### Regional and Branch Offices

Bengaluru | Bhubaneswar | Chandigarh | Chennai  
Delhi | Hyderabad | Kolkata | Lucknow | Vadodara  
Vashi | Visakhapatnam

#### International Division

R-14, T.T.C MIDC, Thane - Belapur Road, Rabale,  
Navi Mumbai - 400 701 | Tel: +91 22 6857 2400  
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#### Overseas Offices

Bahrain | Bangladesh | Canada | Indonesia | Kenya  
Malaysia | Oman | Portugal | Saudi Arabia | Singapore  
South Africa | Sri Lanka | Tanzania | Thailand | UAE | USA

#### Manufacturing Units

India - Ankleshwar | Hosur | Patancheru | Rabale | Verna | Wada

Overseas - Bangladesh | Indonesia | Saudi Arabia | UAE

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A011R1-07220.0K



## FULL SPECTRUM WATER & ENVIRONMENT SOLUTIONS



## SPANNING EVERY SECTOR

Ion Exchange pioneered water treatment in India and is today Asia's largest water and environment solutions provider, with a strong global presence. Among few companies worldwide with the entire range of technologies, processes, products and services, we are able to provide total water and environment management for every sector - industrial, institutional, municipal and household, urban and rural.

- Over five decades of domain expertise
- Widest range of value-adding, innovative technologies
- Thorough understanding of our customers' processes
- Largest service network in water treatment industry in Asia
- State-of-the-art applications laboratory, research & development centres and ISO 9001, 14001 & 45001 certified manufacturing facilities

### Full Spectrum Solutions, Single Point Responsibility

Our 360° solutions add value across the entire water circuit – on supply, quantity, quality, cost, conservation, discharge and environmental fronts.

Assuring our customers of:

- Lowest water consumption
- Substantial savings on fresh water costs
- Water security in an increasingly water scarce scenario
- Compliance with regulatory consumption and discharge norms
- Creative ownership options such as BOO/T & lease



## Serving Every Sector with Single Window Solutions

Our specialist expertise coupled with thorough understanding of our customers' processes enables us to provide integrated solutions that address their individual requirements, totally.

### Industrial

- Automotive
- Brewery & Distillery
- Cement
- Chemical
- Construction
- Fertiliser
- Food & Beverage
- Mineral & Mining
- Oil & Gas
- Pharmaceutical
- Pulp & Paper
- Refinery & Petrochemical
- Semi-conductor & Micro-electronics
- Steel
- Sugar
- Textile
- Power
- ...and many more

### Institutions & Commercial Complexes

- Defence
- Educational Institutions
- Hospitality
- Hospitals
- Laboratories
- Offices & Malls
- Railways

### Communities & Municipalities

- Urban
- Rural

### Realty

- Residential Complexes: Apartments / Bungalows
- Point-of-use – Zero B

### Management of Process Water

- Cooling & boiler water treatment & management
- Complete range of products for scaling, corrosion, fouling & bio-control management
- Cleaners & disinfectants for process equipment
- Remote monitoring, measuring & control systems

### Speciality Resins / Adsorbents / Membranes for Purification & Concentration

- For industries such as F&B, dairy, textile, brewery, pharma, biotech, etc.

### Speciality Process Chemicals

- For paper, sugar, mining, oil refining, etc.

### Speciality Enzymes

- For sugar, paper, etc.

### Industrial Waste Water Treatment / Recycle & Zero Liquid Discharge

- State-of-the-art biological & advanced treatment processes for complex effluents
  - ASP, SBR, MBBR, MBR, UASB, CSTR, AOP
- Recycling systems incorporating ultra filtration, reverse osmosis, forward osmosis, multiple-effect evaporator
- Range of polyelectrolytes for colour, COD, TSS removal, etc.
- Selectively adapted bacterial cultures

### Drinking Water Treatment

- Drinking water purification systems for industry, communities, urban & rural
- **ZEROB** point-of-use drinking water purifiers
- Full range of processes - membrane / non-membrane / non-electric
- Salinity, fluoride, nitrate, arsenic, iron & manganese removal systems
- Disaster management units (DMUs)

### Process Water Treatment - Ion Exchange & Membrane Based

- Complete range of standard & customised ion exchange process equipment - softeners, dealkalisers, demineralisers
- Membrane systems - micro filtration, ultra filtration, nano filtration, reverse osmosis
- Electrodialysis reversal, electrodeionisation, electrocoagulation
- Condensate polishers, deaerators

### Pretreatment

- Full range of advanced clarification and filtration equipments
- Feed water pretreatment chemicals including flocculants, coagulants, antiscalants
- Complete range of feed water disinfection equipment including on-site hypo generation, chlorine dioxide generators, ozone generators, ultra violet equipments

### Services

- O&M, service contracts
- Water audits, consultancy
- Pilot studies, R&D, feasibility studies
- Plant upgradation, automation, rehabilitation
- Water systems on BOO/T
- Integrated facility management
- Supply of genuine ion exchange resins, membranes, adsorbents, RO antiscalants, cleaners, effluent treatment chemicals and critical spares

**24/7**  
service

### Sewage Treatment, Tertiary Sewage Recycle & Sludge Management

- Packaged & customised sewage treatment systems
- Widest range of biological process systems – SBR, MBBR, MBR, advanced anaerobic treatment processes
- State-of-the-art biological nutrient removal (BNR)
- Tertiary treatment systems incorporating range of membrane processes

### Waste-to-Energy

- Conversion of municipal solid waste-to-energy