

wipro water



**Making every  
drop count**



# wipro water

40+

years of domain expertise

500+

global customers

350+

projects executed

25+

industry segments



## A LEADING SYSTEM INTEGRATOR

Diverse, technologically agnostic solutions across the water treatment lifecycle from raw water treatment to wastewater recycling and reuse, including Zero Liquid Discharge (ZLD)



## A PROVIDER OF CUSTOMIZED SOLUTIONS

Leveraging the latest technologies developed in-house or co-developed through strategic partnerships for efficient plant performance, operations and maintenance



## INTEGRATED SERVICE & SPARES MANAGEMENT

24x7 operations secure availability and stability of critical equipments; highly skilled engineers monitor systems proactively, emboldens customers

## ADVANTAGES DELIVERED



- End-to-end, custom designed integrated plants for diverse industries
- Understand business requirements, execute complex projects optimally
- Reduced Total Cost of Ownership (TCO)
- Enhanced efficiencies with lower operating costs
- Guaranteed performance contracts

## Wipro Water Service Division

The service division offers water and wastewater treatment plant services, 24x7 across all industries. Services include:

- Comprehensive/non-comprehensive operation and maintenance contracts – O&M
- Remote monitoring and automation set up/upgrade of process control
- Design-2-Execution - retrofit/upgrade of existing plant
- Supply of all spares, chemicals and consumables
- Specialty chemicals for pre-treatment, membrane-based systems (UF/RO/NF), cooling water and boiler water treatment



# Specialty Chemicals Portfolio

Wipro Water offers innovative chemical products, chemical dosing systems, operations and monitoring services to solve efficiency and quality related issues faced in water and wastewater treatment operations.

Our specialty products are formulated to specific needs of industries and feed water quality rather than a generalized solution. Wipro Water recommends products and chemical treatment programs after a detailed evaluation of feed water quality, process design and associated challenges backed by 4 decades of technical expertise in the water domain and by using advance analytics.

## Wipro Water offers specialty chemicals for

- Pretreatment
- Reverse Osmosis (RO) and Nano Filtration (NF) and Ultrafiltration (UF) units
- Cooling water treatment
- Boiler water treatment



## Pre-treatment Chemicals

Wipro Water offers unique chemistry to replace the need of lime, soda ash and dolomite, to reduce high hardness and high silica in the clarification zone (clarifier/HRSCC) by precipitation. Our unique product is a highly concentrated liquid that reduces overall sludge generation by up to 85 % compared to conventional products. This immediately improves the TCO and mitigates safety related hazards of your plant.

PRODUCTS	USAGE
4100	Liquid chemistry for hardness and silica reduction
4200	Coagulant

## Reverse Osmosis (RO) and Nano Filtration (NF) Chemicals

Wipro Water offers a specialty range of antiscalant that is highly effective in preventing membranes from scaling. Wipro Water also offers the complete range of acidic and alkaline cleaners along with solutions for bio fouling prevention to ensure consistent permeate water quality, reduced cleaning, energy optimization due to cleaner membrane surfaces and longer production cycle.

- General purpose RO and NF antiscalant
- RO Antiscalant targeting specific ions (high hardness and high silica at feed)
- Acidic membrane cleaners
- Alkaline membrane cleaners
- Non oxidizing biocides
- De-chlorination agent



PRODUCTS	USAGE
1101	Membrane antiscalant, effective LSI up to + 2.2 designed for small and medium systems
1102	Membrane antiscalant (concentrated) effective LSI upto + 2.6
2101	Recycle water RO membrane antiscalant
2102	Recycle water RO membrane antiscalant (concentrated)
5101	RO membrane silica antiscalant (up to 225 mg/l)
5102	RO membrane silica antiscalant (concentrated up to 275mg/l)
6101	Inorganic membrane cleaner
6102	Membrane acidic cleaner
7101	Organic membrane cleaner
7102	Membrane alkaline cleaner
8001	RO Membrane biocide (off-line)
9001	RO Membrane biocide (for online dosing)
3101	Reducing additive for RO system (de-chlorination agent)
3102	Alkalinity Booster for lean water (inorganic pH booster)
3103	Organic alkalinity booster additive for lean water (organic pH booster), does not add TDS to the feed water

*Other than the products listed above, we have products that address other challenges observed in RO systems*

# Cooling Water Chemicals

Wipro offers a complete range of treatment chemicals along with dosing systems with onsite application services as an end-to-end solution against a variety of feed/make up water to ensure protection to metallurgies and enhance efficiency. Treatment programs are developed after thoughtful evaluation of design and actual site conditions to address specific site challenges.

Wipro Water offers

- Corrosion and scale inhibitors
- Bio dispersant with foam
- Oxidizing biocide precursor
- Non-oxidizing biocides
- Organic close system inhibitor

PRODUCTS	DESCRIPTION
5245 B/E	Bio dispersant with foam
5664 E	Oxidizing biocide precursor
5677 B	Non-oxidizing biocide, slow acting
5603 B	Non-oxidizing biocide, fast acting
5007 B	Corrosion and scale inhibitor
5103 B	Organic biodegradable corrosion and scale inhibitor
5194 B	Scale inhibitor and polymeric dispersant
7144 E	Close system inhibitor
7414 E	Organic close system inhibitor

*Other than the products listed above, we have products that address other challenges observed in cooling water treatment*



# Boiler Water Chemicals

Wipro Water experts have developed state-of-the-art formulations to protect steam boilers by removing dissolved oxygen from feed water, control alkalinity buildup and protect against scale formation.

Wipro Water offers

- Catalyzed oxygen scavenger
- Sludge conditioner and deposit controller
- Alkalinity booster

PRODUCTS	DESCRIPTION
B771	Catalyzed oxygen scavenger for boiler feed water
E7338	Sludge conditioner and deposit controller
B755	Organic alkalinity booster additive for lean water
B8010	Inorganic alkalinity booster additive for lean water

*Other than the products listed above, we have products that address other challenges observed in boiler water treatment*



## Industries Served



### Fixed OPEX Cost

- Optimize specific water, chemical and energy (SEC) consumption
- Reduction in own manpower

### Guaranteed Quality

Our skilled team ensures 100% compliance of SOP

### Secure Plant Availability

- Implementation of best practices
- Preventive Maintenance for your assets and better return from them

### Statutory Compliance

100 % compliance to statutory norms

### Core Expertise

- In-house design and subject matter experts
- Access to our wealth of our technical knowledge, latest technology, innovative solutions for process upgradation



## Reasons to select Wipro Water as the Preferred Service Partner



### Extended Reach

Pan India presence through our offices, O&M sites and channel partner network



### On Site Support Team

Dedicated professional, 24x7 emergency support



### Remote Monitoring

- Our experts can monitor system performance from a remote location
- Technology enabled auto alarm for early detection of abnormalities



### Skill Development

Onsite periodic training and coaching by our subject matter experts

## ● Wipro Water

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Wipro Water, caters to global clients by providing comprehensive solutions for water and wastewater treatment. Solutions range from raw water treatment to wastewater recycling and reuse including Zero Liquid Discharge (ZLD).

Wipro Water integrates highly customized water and wastewater treatment solutions for diverse and largescale industrial water requirements and provides integrated services and spares management.

Wipro Water is a division of Wipro Infrastructure Engineering, which is an industrial engineering business with expertise spanning Hydraulics, Automation, Aerospace, Water Treatment and Additive Manufacturing.

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## ● Regional Offices

- Ahmedabad
  - Bengaluru
  - Chennai
  - Delhi
  - Hyderabad
  - Kolkata
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## ● Overseas Office

### *Indonesia*

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