

ARROSER MANAGEMENT[®]

HYDROPRO

ALL ABOUT WATER



**IT TAKES LOT OF
BLUE TO CREATE GREEN**

INTRODUCTION

Arroser Management is a leader and provider of choice for total water management solutions in the emerging markets with operation covering three business areas: Design & build of Water Treatment Plant (WTP) & Wastewater Treatment Plants (ETPs & STPs), utilities and speciality chemicals. With over decade of operational experience, the group provides customised, comprehensive and advanced solutions across the full spectrum of its industry, from clean to dirty water.

ABOUT US

At Arroser Management, we promote judicious use of all resources, including water. We make waste water from industries, institutions, hotels and hospitals safe for reuse or for return to nature through our Waste Water Recycling solutions. We install single tank prefabricated Sewage Treatment Plants and conventional STPs in civil tanks, with our major projects at Many Commercial Buildings and Gov. Approved Residential Schemes.

We are not doing business keeping only profit in mind but we work together with our valuable customers to sustain and progress simultaneously at today's competitive and global business platform.

At ARROSER MANAGEMENT we serve our customers by using latest technology for the development of a wide range of products in the field of membrane separation technique. Our objective is to provide products with high quality standard and ensure clients satisfaction. We directly contact with customers and end users to know their specific problem and to develop the solution according to requirements.

Arroser Management Are Specialized in water and waste water treatment solutions provide the competent range of services required to design, build, maintain and upgrade water and wastewater treatment facilities for industrial clients and public authorities.

Arroser Management IS ANSWER OF YOUR ALL WATER RELATED QUESTIONS, we provide ourselves on our ability to promptly and accurately response to our customer's requests for sales and technical assistance.

VISION

We are committed for creating a very pleasant experience for our customers through flexible, appropriate and reliable water and waste-water solutions. Driven by most ethical and professional standards, we will develop mutually rewarding relationships with our customers, employees and suppliers in order to create leadership, sales, profit, and value for all stakeholders. Consequently, Arroser Management will ascend to leadership sales, profit, and value creation.

MISSION

With a mission to sustain the world's water resources, Arroser Management provides effective water management and treatment system that can reconcile the ever-growing water demand and the dwindling natural resources. Committed to a clean environment, Arroser Management to utilise its knowhow to provide millions of people across industries access to clean and safe water.

INDUSTRIES WE SERVE



PHARMACEUTICALS
& DRUGS



PAPER & PULP



SUGAR



POWER



FINE CHEMICALS



CEMENT



HOSPITALITY



HOSPITALS



PETROCHEMICALS



FOOD & BEVERAGES



GLASS INDUSTRY



STEEL



CERAMIC



DYES & PIGMENTS



SCHOOLS & INSTITUTES



AUTOMOBILES

BUSINESS VERTICALS

WATER TREATMENT

MEMBRANE SEPERATION

RO PLANT

UF PLANT

SPARES & COMPONENTS

HEAT PUMP

PRESSURE BOOSTER SYSTEM

MEDIA FILTERS

ACF

PSF

DUAL MEDIA

ION EXCHANGE

DM PLANT

MIX BED UNITS

SOFTENER

SPECIALITY CHEMICALS

RO CHEMICALS

BOILER CHEMICALS

COOLING TOWER CHEMICALS

ETP & STP CHEMICALS

WASTEWATER TREATMENT

SEWAGE TREATMENT PLANT (STP)

EFFLUENT TREATMENT PLANT (ETP)

GREY WATER (GWT)

ZERO LIQUID DISCHARGE (ZLD)

WATER AND SEWAGE TREATMENT

Arroser Management realizes the impact of man on environment and aims to reduce energy requirements of institutions where it works. We promote solutions that are efficient and top of the line. Water purification and waste water recycling projects are designed and executed for hotels, industries, and residences. Our solutions are in the span of drinking water (RO) plants and water softeners, centralized water treatment solutions, centralized hot water solutions, swimming pools and wastewater treatment plants such as Sewage Treatment plants (STP) & Effluent Treatment Plant (ETP). ION Exchange has been our trusted partner for Water Treatment solutions since 2010.

As an essential resource for life, sustainable growth and healthy ecosystems, pure water has been high on the global agenda. Increasing population numbers, a changing climate, intensive agricultural practices, economic growth and urbanization will undoubtedly continue to make the issue of water scarcity a global priority for years to come. As a part of the solution, various techniques are available to counter this water scarcity problem. Traditional water treatment methods include physical separation techniques for particle removal; biological and chemical treatments to remove suspended solids, organic matter and dissolved pollutants or toxins; and evaporative techniques and other physical and mechanical methods.



SEWAGE TREATMENT PLANT (STP)

WE DESIGN, FABRICATE, SUPPLY, ERECT AND COMMISSION & AMC FOR SEWAGE TREATMENT PLANT (STP)

Now a days STP become statutory requirement of all the State Pollution Control Boards, everybody whether Hotel, Hospital or Industrialist were looking for economical, easy to install and operate compact type Sewage Treatment Plant (STP). Since the land is extremely expensive, very few industries could afford large treatment units as recommended by most of the consultants.

TYPICAL TREATMENT STEPS

- Equalization & Pre-Aeration
- Bio-reaction in the aeration tank
- Sedimentation / Clarification
- Filtration - Sand and Activated Charcoal
- Dis-infection
- Sludge Drying and Disposal

DIFFERENT TREATMENT METHODOLOGIES

- ASP - Activated Sludge Process
- MBBR - Mixed Bed Bio Reactor
- SBR - Sequential Batch Reactor
- CSTP - Combined (Effluent) Sewage Treatment Plant
- SAFF - Submerged Aerobic Fixed Film
- MBR - Membrane Bio Reactor

MEMBRANE SERIES

MEMBRANE is a core technology for simultaneous dissolving current issues on sewage works in Japan and other countries due to its excellent characteristics ideal MEMBRANE type plant serves with high efficiency and work performance. Hence the operation of the end user is so easy and simple. When domestic and industry users install good quality MBBR and sewage treatment plants, they get ultra-high-quality treated water. Make sure you buy a plug n play installation system so that operational cost gets reduced.

MBBR SERIES

MBBR type Sewage treatment plant is considered incredibly effective in removing all types of impurities from the water. The different types of impurities are physical, chemical and biological. Ideal MBBR type plant serves with high efficiency and work performance. Hence the operation for the end user is easy and simple. When domestic and industry users install good quality MBBR and sewage treatment plants, they get ultra-high-quality treated water. Make sure you buy a plug n play installation system so that operational cost gets reduced.

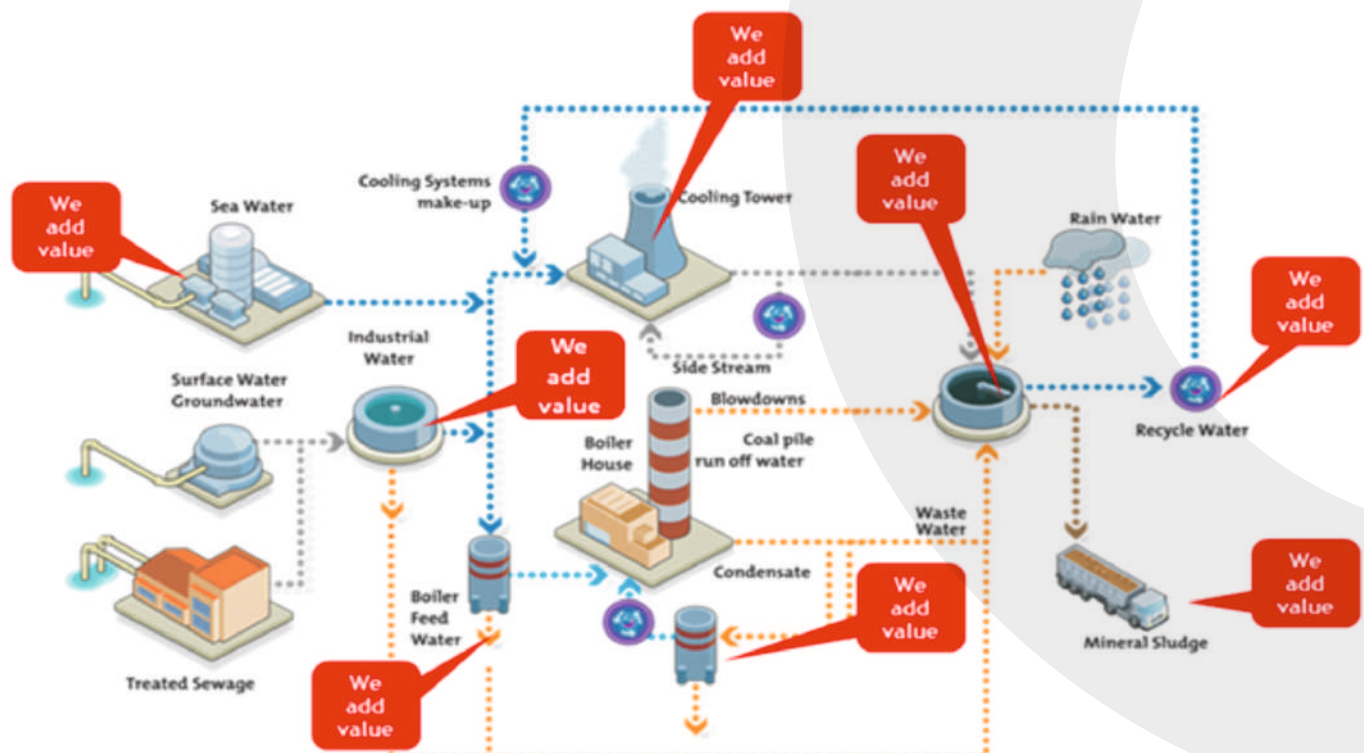


EFFLUENT TREATMENT PLANT (ETP)

We design manufacture, supply, erect and commission Effluent treatment plant on turn key basis for various types and nature of waste water & effluents. Our methodology – we analyse the effluent samples for different parameters as per nature and compositions, carry out the treatability studies by using different methods checking techno-commercial feasibility and the designed treatment schemes, process accordingly to suit the purpose and need.

TYPICAL TREATMENT STEPS

- Gravity Separator / O & G Trap: To remove suspended oil and grease, floating matters.
- Primary sedimentation: To remove the heavy grit particles, suspended solids.
- Advanced chemical treatment: To adjust pH, remove organic and inorganic and heavy metals.
- Biological treatment (Optional): To remove organic matter.
- Advance sludge separation: To achieve solid liquid separation.
- Advance Filtration system: To remove the suspended Solids, organic matter.
- Ozonisation: To remove organic matter.
- Micro-filtration (UF + RO): To achieve Zero discharge (If required).



REVERSE OSMOSIS (RO) PLANT

Reverse Osmosis (RO) is a water purification technology that uses a semipermeable membrane to remove ions, molecules and larger particles from drinking water. We design RO plants for an optimized solution for customers' requirements in terms of output water quality, water and energy, maintenance and capital cost.



WATER SOFTENER

Water softener is a widely used technology for reducing hardness forming ions (Ca & Mg) which participate and scale as very low temperature and pressure. Softening is a reversible ion exchange process wherein the hardness forming ions are exchanged with sodium ions present in resin group. We offer wide range of water softeners with versatility in flow, flexibility in resin quantities and ease in operations.

DEMINERALIZATION (DM) WATER TREATMENT PLANTS

Demineralization is the process of removing mineral salts from water by using the ion exchange process. Demineralization technology is the proven process for treatment of water. DM water systems produces mineral free water by operating on the principles of ion exchange, Degasification, and polishing. Demineralized water system finds wide application in the field of steam. Power. Process and cooling.



MINERAL WATER BOTTLE FILLING PLANT

We provide effective Mineral Water Bottle filling plant which is widely used for packaging of water to make it convenient for easy transportation of water without harming its minerals. Our pioneers utilize the best technology and finest components, at our well-established manufacturing unit. This machine is delivered at a reasonable price within stipulated time-frame. The machine is specifically designed to meet the mineral water bottle filling efficacious and fast.



WATER / WASTEWATER TREATMENT CHEMICALS

Water treatment can collectively be referred to as the industrial-scale processes that help in making water more acceptable for an end-use, which may include drinking, industry, or medicine. Water treatment aid in the removal of existing water contaminants or so reduce their concentration to a level that makes the water fit for its desired end-use.

Arroser Management specializes in manufacturing a diverse range of Water Treatment Chemicals.



FIND BELOW OUR RANGE OF WATER TREATMENT CHEMICALS. In case you still don't find what, you are looking for OR want to have more details, then please feel free to enquire us.

SALIENT FEATURES

- Threshold Inhibition of Carbonate, Phosphate & Sulphate Scales
 - Stabilization of Metal Ions
 - Crystal Modifications of Scale forming Agents
 - Very effective in broad spectrum of water used in Membrane Separation
 - Reduces the Membrane cleaning frequency
 - Replace acid dosing in maximum cases
 - Low dosing ratio leads to cost effective operation
 - Compatible with all brands of Membrane
 - Short Mixing time
 - Low Foaming
 - Cost Effective
 - Particulate Dispersant
 - Enhanced rate of recovery
 - High quality biodegradable ingredients are used in formulation, hence Environment friendly
-

RO CHEMICALS

RO Antiscalant
RO Cleaning Chemicals
RO Bio Cleaner
pH Booster for RO
Mineral Mix for RO

BOILER CHEMICALS

Boiler Scale & Corrosion Inhibitor
Boiler Oxygen Scavenger
HH Base -Oxygen Scavenger
Boiler Descalant
pH Booster for Boiler Feed Water
Fuel Additive

COOLING TOWER CHEMICALS

Cooling Water Antiscalant
Cooling Water Scale & Corrosion Inhibitor
Oxidizing Biocide for Cooling Water
Non - Oxidizing Biocide for Cooling Water
Biodispersant
Yellow Corrosion Inhibitor
Cooling Water Descalant

ETP & STP CHEMICALS

Polyelectrolyte Anionic (Jelly Form)
Polyelectrolyte Anionic (Crystal Form)
Polyelectrolyte Cationic (Crystal Form)
Polyelectrolyte Non-Ionic (Crystal Form)
Odour Remover for ETP & STP
Colour Remover for ETP & STP
Defoamer for ETP & STP
Bio-Starter (Composter) for ETP & STP
Dewatering Polyelectrolyte

PRODUCT RANGE

PRODUCT CODE	2525	2523	2526	2501	2502	2503L	2503H	2504L	2504H	2504HS	2504S	2522 SPA	2531	2505A	2505B	2505MB	2518A	25221	25220
APPLICATION	RO Antiscalant	RO Antiscalant	RO Antiscalant	RO Antiscalant	RO Antiscalant (Hardness)	Low pH RO Antiscalant (Hardness)	High pH RO Antiscalant	Multiple Use Low pH RO Antiscalant	Multiple Use High pH RO Antiscalant	Silica Base RO Antiscalant	Sulphate & Chloride RO Antiscalant	Sea Water RO Antiscalant	Multiple Use High pH RO Acidic	Membrane Cleaner Alkaline	Membrane Cleaner Cleaner	Membrane Bio - Builder)	pH Booster (Alkalinity)	Mineral Mix Antiscalant	Multiple Use Low pH RO
PARAMETERS	SPECIFICATIONS										SPECIFICATIONS								
APPEARANCE	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless Liquid	Transparent Colorless Liquid	Transparent Pale Yellow Liquid	Transparent Yellow to Brown Liquid	Transparent Yellow to Brown Liquid	Transparent Yellow to Brown Liquid	Transparent Pale Yellow Liquid	Transparent Yellow to Brown Liquid	Transparent Colorless to Pale Yellow Liquid	Milky White Foam Base Liquid	Transparent Colorless to Pale Yellow Liquid	Transparent Colorless to Pale Yellow Liquid	White Free Flowing Powder	Transparent Amber Liquid
SOLUBILITY IN WATER	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable in Proportions	Soluable (As Prescribed)	Soluable in Proportions	Soluable in Proportions	Soluable (As Prescribed)	Soluable in Proportions
ODOUR	Mild to Odorless	Mild	Mild	Mild	Mild to Odorless	Mild to Odorless	Mild to Odorless	Mild	Ammonical	Mild	Mild	Mild	Ammonical	Pungent	Mild	Mild	Ammonical	Odorless	Mild
pH VALUE	8 - 11	2 - 4	2 - 4	2 - 4	2 - 4	2 - 4	9 - 11	2 - 4	9 - 11	2 - 4	2 - 3	9.5 - 10.5	9 - 11	< 2	> 11	3 - 5	> 12	-	2 - 3
SPECIFIC GRAVITY	1.05 - 1.15	1.05 - 1.10	1.05 - 1.20	1.05 - 1.15	1.05 - 1.10	1.10 - 1.20	1.10 - 1.20	1.10 - 1.20	1.10 - 1.30	1.05 - 1.20	1.10 - 1.20	1.05 - 1.15	1.25 - 1.37	1.0 - 1.05	1.05 - 1.10	1.0 - 1.02	1.0 - 1.06	-	1.10 - 1.20
LSI (work upto)	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-	3.0
CaCO3 INHIBITION	Good	Good	Good	Good	Good	Very Good	Very Good	Excellent	Excellent	Excellent	Very Good	Excellent	Excellent	-	-	-	-	-	Excellent
CaSO4 INHIBITION	Moderate	Good	Good	Good	Good	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	-	-	-	-	-	Excellent
SiO2 INHIBITION	Poor	Poor	Moderate to Poor	Poor	Moderate to Poor	Poor	Poor	Good	Excellent	Excellent	Good	Excellent	Excellent	-	-	-	-	-	Excellent
FLUORIDE INHIBITION	Poor	Poor	Moderate to Poor	Poor	Moderate to Poor	Poor	Poor	Good	Excellent	Excellent	Good	Good	Excellent	-	-	-	-	-	Excellent
ECO FRIENDLY PRODUCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ANTI BIO FOULING	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	Yes
INORGANIC DESCALING	-	-	-	-	-	-	-	-	-	-	-	-	-	Excellent	Poor	Poor	-	-	-
ORGANIC DESCALING	-	-	-	-	-	-	-	-	-	-	-	-	-	Poor	Excellent	Poor	-	-	-
COLLOIDAL DESCALING	-	-	-	-	-	-	-	-	-	-	-	-	-	Very Good	Good	Good	-	-	-
MICRO - BIO CLEANING	-	-	-	-	-	-	-	-	-	-	-	-	-	Poor	Very Good	Excellent	-	-	-

INSTALLED PROJECT





CERTIFICATE


Certificate of Registration
 (Quality Management System)
QFS MANAGEMENT SYSTEMS LLP
 This is to Certify that the Quality Management System of
ARROSER MANAGEMENT
 192, SAHANAND ESTATE, BI LALJI MULJI TRANSPORT SARKHEE,
 AHMEDABAD - 382210, GUJARAT (INDIA)
 Has been found to be of the Quality Management System Standard
ISO 9001:2015
 This certificate is valid for the following product or service range
 MANUFACTURE OF EFFLUENT TREATMENT PLANT (ETP), SEWAGE TREATMENT PLANT (STP), GREY WATER
 TREATMENT PLANT (GWT), RO, DM, SOFTENER PLANT, WATER TREATMENT
 CHEMICALS, WTP COMPONENTS
 Certificate Number: IS/2111AA/3774 1st Surv. Due on: 28.10.2022
 Initial Date of Certification: 29.11.2021 2nd Surv. Due on: 28.10.2023
 Date of Certificate: 29.11.2021
 Date of Expiry: 28.11.2024
 Director:  Date: 29.11.2021
 
 The validity of certificate is subject to regular surveillance audit on or before above mentioned dates and its only valid
 after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of
 access at any time and without notice to the above named organization's premises for the purpose of assessment
 and surveillance regarding the standard named above and QFS terms and conditions.
QFS MANAGEMENT SYSTEMS LLP
 A-27/6, Sector-30, Noida-201301, U.P., India
 Phone: +91 120 4255511
 Email: sales@qfs.com
 This Certificate remains the property of QFS


Certificate of Registration
 This is to certify that
ARROSER MANAGEMENT
 192, SAHANAND ESTATE, BI LALJI MULJI TRANSPORT SARKHEE,
 AHMEDABAD-382210, GUJARAT (INDIA)
 has been independently assessed by QRO
 and is compliant with the requirement of:
ISO 14001:2015
Environmental Management System
 For the following scope of activities:
 MANUFACTURE OF EFFLUENT TREATMENT PLANT (ETP), SEWAGE TREATMENT PLANT (STP),
 GREY WATER TREATMENT PLANT (GWT), RO, DM, SOFTENER PLANT, WATER
 TREATMENT CHEMICALS, WTP COMPONENTS
 Date of Certification: 12th September 2022 2nd Surveillance Audit Due: 11th September 2024
 1st Surveillance Audit Due: 11th September 2023 Certificate Expiry: 11th September 2025
 Certificate Number: 305022091240E
   
 Validity of this certificate is subject to annual surveillance audits to be done annually on or before 30th days from date of the audit.
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HYDROPRO - ALL ABOUT WATER

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