

ENVIRONMENT FRIENDLY WATER TREATMENT SOLUTIONS



ECO**CHEM**
PURIFYING WATER SUSTAINING LIFE

A group of hands holding water over a body of water. The hands are arranged in a circle, with the palms facing each other, and water is being poured from them. The background is a bright, sunny outdoor setting with a body of water.

save water AND safe water

Water is one source and lifeline of human and environmental existence. Water needs to be pure and eco friendly. Water is becoming scares. **“Save Water and safe water”** is today's Mantra globally.

Day to day living, industries, Commercial organizations need water as a source... Today this source is full of pollutions, contaminations and becoming non usable for consumption and other means of use.

Water being precious and becoming scares, water and waste water treatment is becoming the need of the hour in saving the current availability. Today polluted & Contaminated water let by the industries and various other fields can be treated and be reused which can be utilized for other purposes.

ABOUT US

Water the source of life and industry may be unfit for use due to pollution and contaminants. Evolving technologies introduce revolutionary methods of purifying water for use and reuse minimizing the strain on the natural resource.

ECO CHEM laboratories Pvt Ltd (**ECO CHEM**) offers ground breaking technologies and methodologies for water and waste water treatment that are environmental and economical friendly.

EXPERIENCE & EXPERTISE MEET AT ECO-CHEM

EcoChem established its operations in 2004 as a chemical and spare parts manufacturer in the water purification industry. Today Ecochem is at the forefront as one of the leading water purification company in the world providing water and waste water treatment solution provider across industries, field and countries.

EcoChem ventured into water treatment equipment business in 2006 and later into wastewater treatment and reverse osmosis. An ISO 9001:2008 company today, we offer end-to-end water treatment solutions through advanced in-house engineering capabilities backed by a team of experienced professionals who develop innovative techniques to fulfill the industrial and municipal requirements.



VISION

We strive in confidence in the services. In our innovative technology, quality team offers & team efforts shall delivery pure environmental water for use and Reuse.

MISSION

- To work towards sensible management of water resources.
- To utilize latest and innovative technology to solve industrial water problems for a better future through customized solutions.
- To protect the environment and meet industry specific water & waste treatment requirements.
- To provide avenues that promote re-use and re-cycle of water.
- To improve better competitiveness.

QUALITY ASSURANCE

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EcoChem ensures the best quality at all times through:

- Manufacturing process adhering to relevant industry standards.
- Project execution under controlled condition.
- Strict adherence to documented quality systems.
- Regular internal audits that assess and improve procedures.
- Periodical training and skill upgrades.
- Flexibility of adopting best of the practices available.

OUR KEY COMPETENCIES

- Qualifications and capability in plant design, manufacturing, installation and commissioning.
- In-house R&D to assist design, standardization, manufacturing facilities.
- Periodical training updations and up gradations of working knowledge in water and waste water treatments, Project execution, standards and methodologies adopted globally.
- State of the art technologies to cleanse and restore environment
- Strong and committed management supported by qualified technical experts
- Flexibility and readiness to meet challenges beyond cultural and social barriers
- Ability to improve and sustain environment
- Deliverables on schedule at most competitive prices and with unmatched quality.

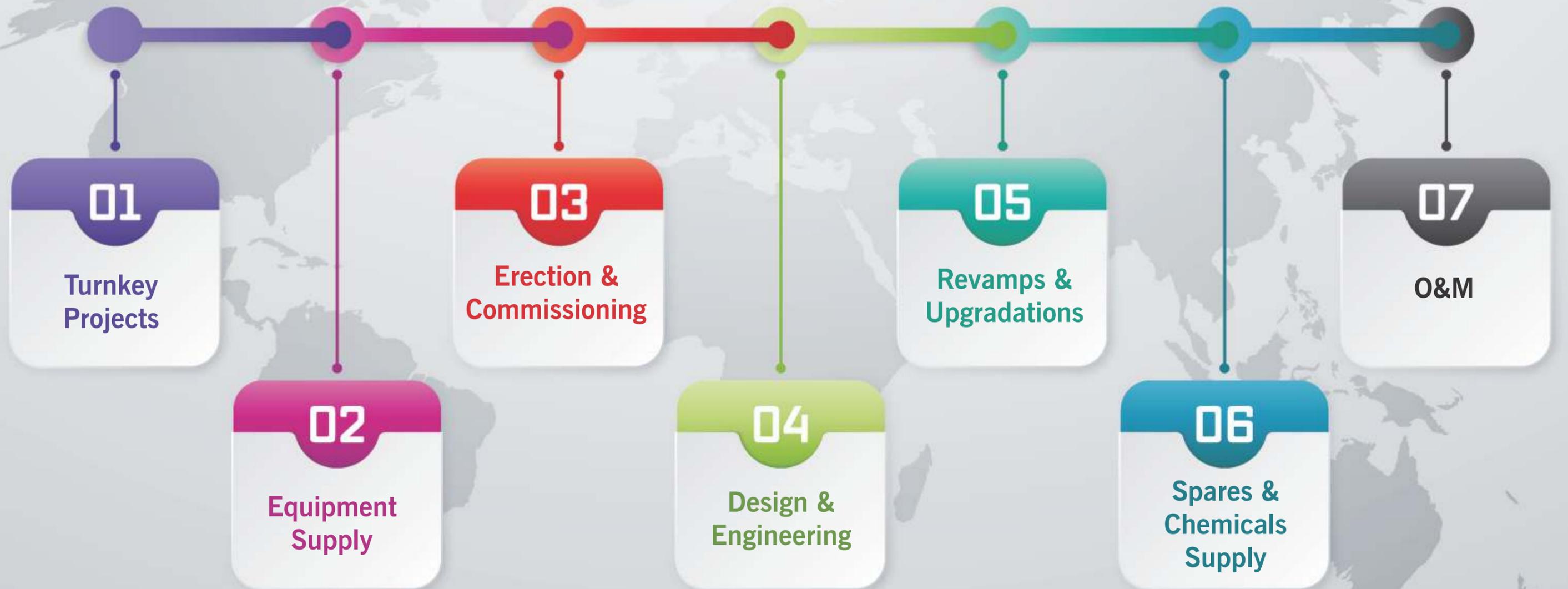


ECO CHEM EDGE

- Innovative range of extensively researched and developed products.
- The range of quality equipments and products to meet the complete residential and commercial water purifying requirements.
- The stability of solid financial backing supported by investors to complete major projects.
- An extensively experienced team of experts.



ECO SERVICES



LEADERS IN...

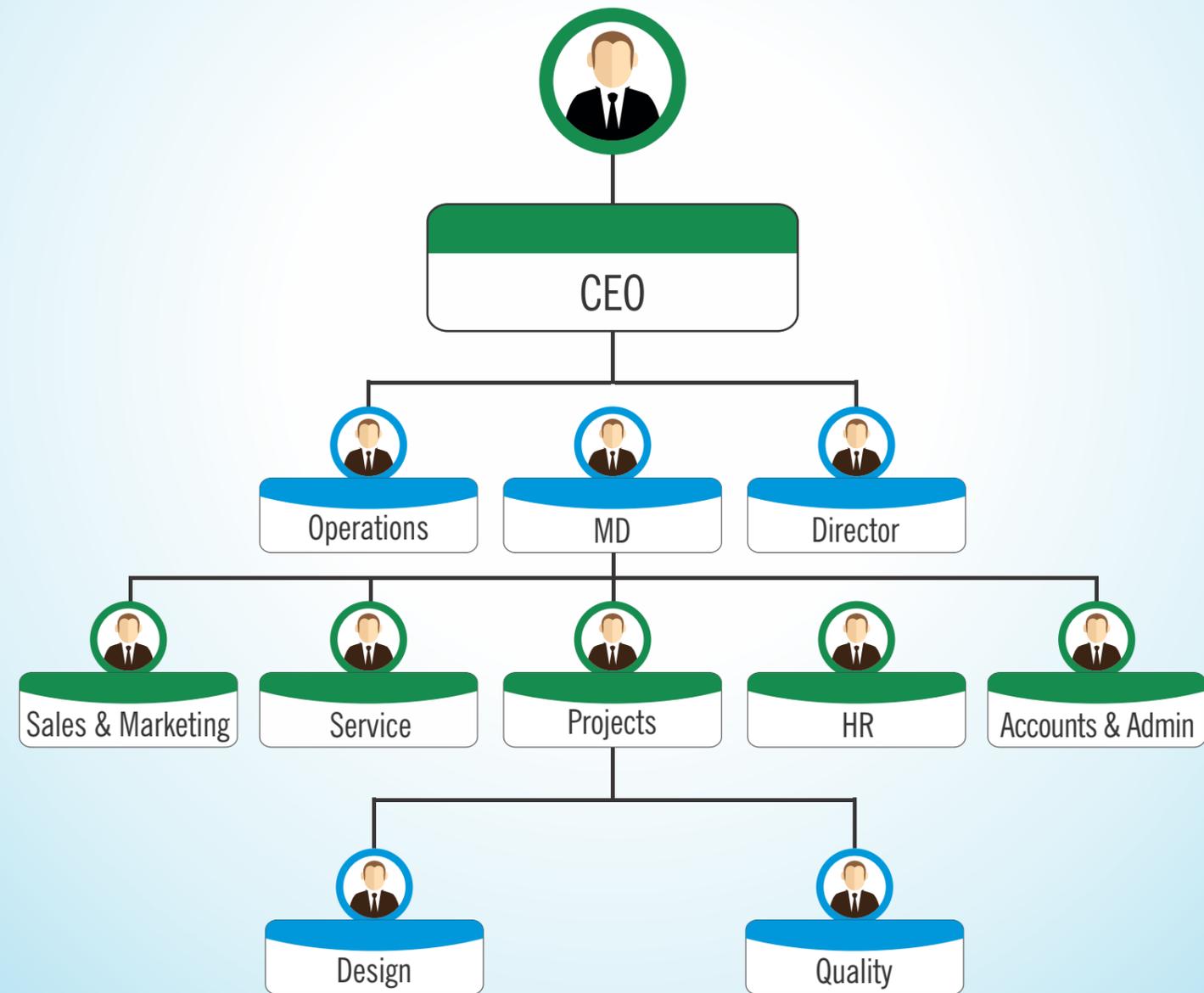
- ▶ SWRO
- ▶ BWRO
- ▶ WTP
- ▶ STP
- ▶ ETP
- ▶ ZLD
- ▶ RWQMS
- ▶ RIVER WATER TREATMENT



COMPANY OVERVIEW



ORGANIZATION CHART





ECO SBR

ECO Sequencing Batch Reactor treats wastewater in batches. Oxygen is bubbled through the mixture of wastewater and activated sludge reducing organic matter. The treated effluent is discharged on surface waters or on land.

ECO UF

ECO Ultrafiltration is a type of membrane filtration that employs pressure to separate suspended solids and solutes of high molecular weight from wastewater through a semi-permeable membrane.

ECO ETP

ECO Effluent Treatment Plants are used to treat industrial effluents through primary filtration, cooling & mixing, neutralization, chemical coagulation, settling & separation and pressure filtration before discharge.



ECO CHEM PRODUCTS

ECO STP

ECO Sewage Treatment Plant employs physical, chemical and biological processes to remove contaminants from household and industrial wastewater converting it into environmentally safe treated water.

ECO MBBR

ECO Moving Bed Biofilm Reactor employs biofilm carriers, special plastic carriers, mixed with wastewater that is aerated in a tank. These carriers provide the surface for the growth of bacteria.





ECO MBR

ECO Membrane Bioreactor (MBR) is a wastewater treatment process combining membrane filtration with biological treatment. This innovative technology offers several advantages over the conventionally activated sludge process. Among these advantages are higher biomass concentration, eliminating the needs of secondary clarifiers and improved effluent quality.

ECO NF

ECO Nano Filtration is a relatively recent membrane filtration process used most often with low total dissolved solids water such as surface water and fresh groundwater, with the purpose of softening (polyvalent cation removal) and removal of disinfection by-product precursors such as natural organic matter and synthetic organic matter. ECO NF is also becoming more widely used in food processing applications such as dairy, for simultaneous concentration and partial (monovalent ion) demineralisation.



ECO RO

ECO Reverse Osmosis purifies water using a semi-permeable membrane. This removes ions, molecules, larger particles and many types of microbes to make water suitable for industrial and domestic use.

ECO BWRO

ECO Brackish Water Reverse Osmosis is used to treat water from any source including surface water and wells, which may be turbid, saline or have arsenic, nitrates or any other contaminants.

ECO SWRO (DESALINATION)

ECO Sea Water Reverse Osmosis plant employs energy recovery systems that reduce energy requirements by up to 40%. ECO SWRO is one of the most economical methods of desalinating seawater.





ECO RWTP

ECO River Water Treatment Plant removes microbiological, chemical and radiological contaminants via multi-stage treatment processes like HRSCC/Lamella which acts as a Pretreatment and further with various kinds of Filters and Membrane Treatment as per the usage of water.

ECO RWQMS

ECO Real time Water Quality Monitoring System is a combination of equipments, both mechanical and electronic, that are installed at monitoring sites all around the plants to measure, record, and transmit both water-quantity and water-quality information. This monitors "real-time" flow and water-quality conditions for the entire plant.

Customers are our number one priority and we are committed to delivering clean, safe, reliable and affordable water treatment services.



ECO ION EXCHANGERS / ECO DEMINERALISATION PLANTS

ECO ion exchangers utilize various types of ion exchange resins that can be used for both cation and anion exchange depending on the type of impurities in the water and the purpose of purification.

ECO ZLD

ECO Zero Liquid Discharge employs the most advanced technologies to purify and recycle all of the wastewater so that there is no effluent leftover. This is ideal for industries, municipal organizations and the environment.

ECO SOFTENER

ECO Softeners use resins to remove calcium, magnesium and certain other metal cations from hard water. The soft water produced is more suitable for use with soap and prolongs the life of water pipelines.



APPLICATION

- ✓ All Types of Industry
- ✓ Commercial Buildings
- ✓ Hotel & Resort
- ✓ Small Communities
- ✓ Schools & Hospitals
- ✓ Housing Development





CUSTOMER SERVICE

AFTER SALES SUPPORT AND SERVICES

O&M
On Call service
Monthly / Quarterly / Annual Inspections

ECO CHEM BENEFITS

Having complete solution in water & waste water treatment sector
Excellent service support with strong financial back up
Cost effective solution provider with good quality with current technology

OUR ESTEEMED CLIENTS

TRACK RECORDS: INDIAN & OVERSEAS PROJECTS





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