



***DM PLANT
TERTIARY TREATMENT PLANT &
WATER SOFTENER PLANT***

K&C ENVIROTECH SERVICES

Water & Wastewater Treatment Solutions

ABOUT US

K&C Envirotech Services, established in 2021, is a leading water and wastewater treatment plant design and manufacturing company with operations across PAN India. Our head office is located in Mumbai.

We specialize in delivering innovative, efficient, and sustainable solutions for water and wastewater treatment systems, primarily focusing on:

- Industrial Sector
- Commercial Sector
- Building Sector
- Hotels & Hospitality Sector

Our experienced team of sales, mechanical, and electrical engineers ensures technically sound design, seamless execution, and reliable performance of every project.

WHY CHOOSE US?

✓ Integrated Environmental Solutions

We provide complete design consultancy and equipment solutions for ETP, STP, DM, TTP, and Water Softening Systems—ensuring seamless execution from concept to commissioning.

✓ Technical Expertise & Process-Driven Design

Our engineering approach focuses on performance optimization, regulatory compliance, and long-term operational efficiency. Every system is customized to meet specific industry requirements.

✓ Compliance & Sustainability Focus

We design systems aligned with environmental standards and pollution control norms, ensuring clients meet regulatory requirements while promoting water reuse and waste reduction.

✓ Cost-Effective & Energy-Efficient Solutions

Our solutions are engineered to reduce operational costs, power consumption, and downtime—maximizing ROI for our clients.

✓ Client-Centric Approach

We believe in long-term partnerships. Our team ensures transparent communication, timely project delivery, and dedicated after-sales support.



Our Vision

To become a trusted and leading environmental engineering company in India, delivering innovative, sustainable, and cost-effective water and wastewater treatment solutions that contribute to a cleaner and greener future.

Our Mission

To ensure customer satisfaction through timely project execution and strong after-sales support & promote environmental sustainability by reducing water pollution and encouraging water reuse and resource recovery.

Core Values

- Integrity
- Innovation
- Sustainability
- Quality Excellence
- Customer Commitment

DM PLANT (DEMINERALIZATION PLANT)

The DM Plant is designed to remove dissolved mineral salts, hardness, and ionic impurities from water to produce high-purity demineralized water. The system operates on the ion-exchange principle, where cation and anion resins effectively remove positively and negatively charged ions from the feed water.

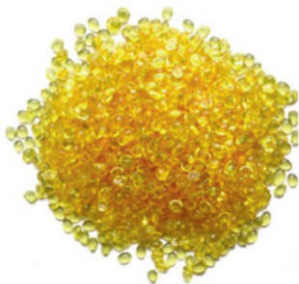
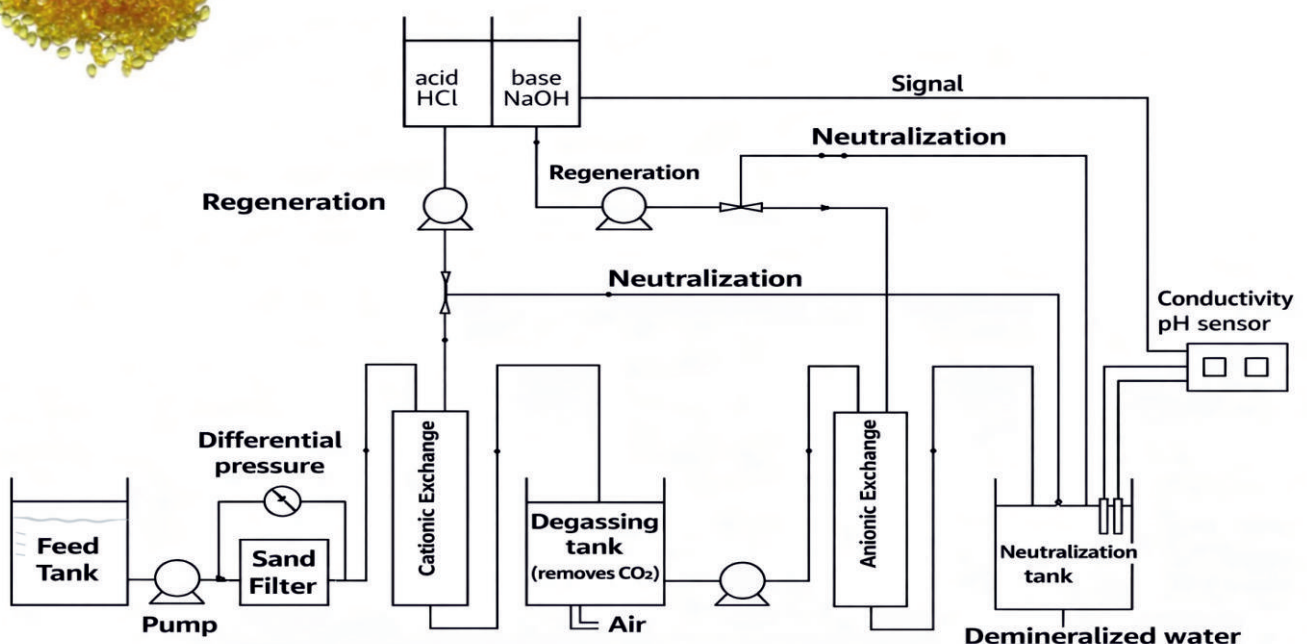
Typically consisting of Cation, Anion, and Mixed Bed units, the DM Plant ensures very low conductivity water suitable for critical industrial applications. The system is available in manual, semi-automatic, and fully automatic configurations.

Key Features:

- High-quality low-conductivity output water
- Efficient ion-exchange resin technology
- Skid-mounted and compact design
- Easy regeneration process
- Low operating and maintenance cost

Applications:

- Boiler feed water
- Power plants
- Pharmaceutical industry
- Chemical & process industries
- Laboratories and industrial utilities



✦ TERTIARY TREATMENT PLANT (TTP)

The Tertiary Treatment Plant (TTP) is designed to provide advanced polishing treatment to secondary treated wastewater for achieving higher quality standards suitable for reuse or safe discharge. The system effectively removes residual suspended solids, turbidity, dissolved impurities, nutrients, color, and pathogens.

The TTP typically incorporates processes such as pressure sand filtration, activated carbon filtration, ultrafiltration (UF), reverse osmosis (RO), and disinfection systems (UV / chlorination), depending on the required output water quality.

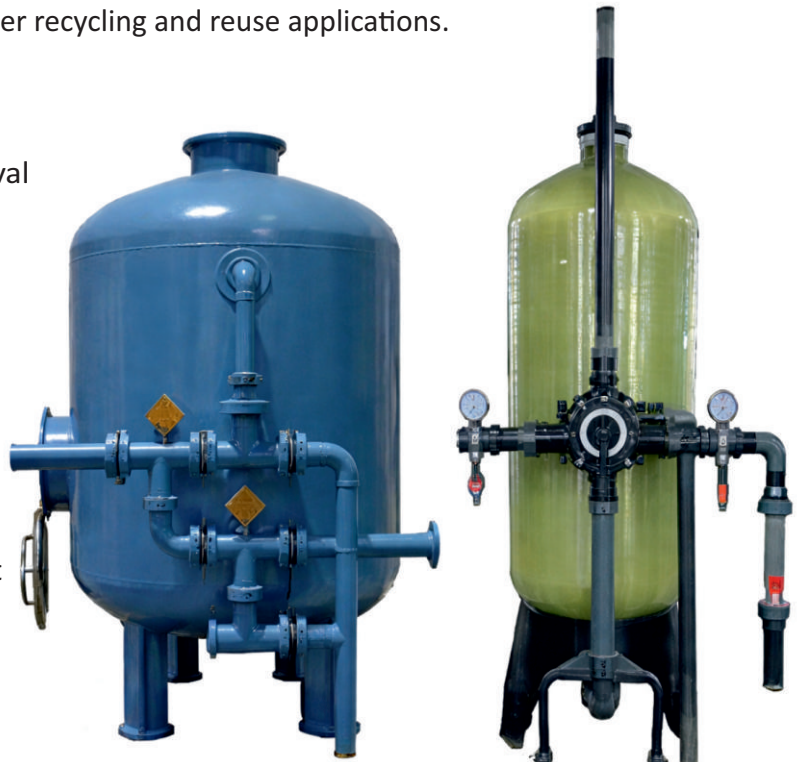
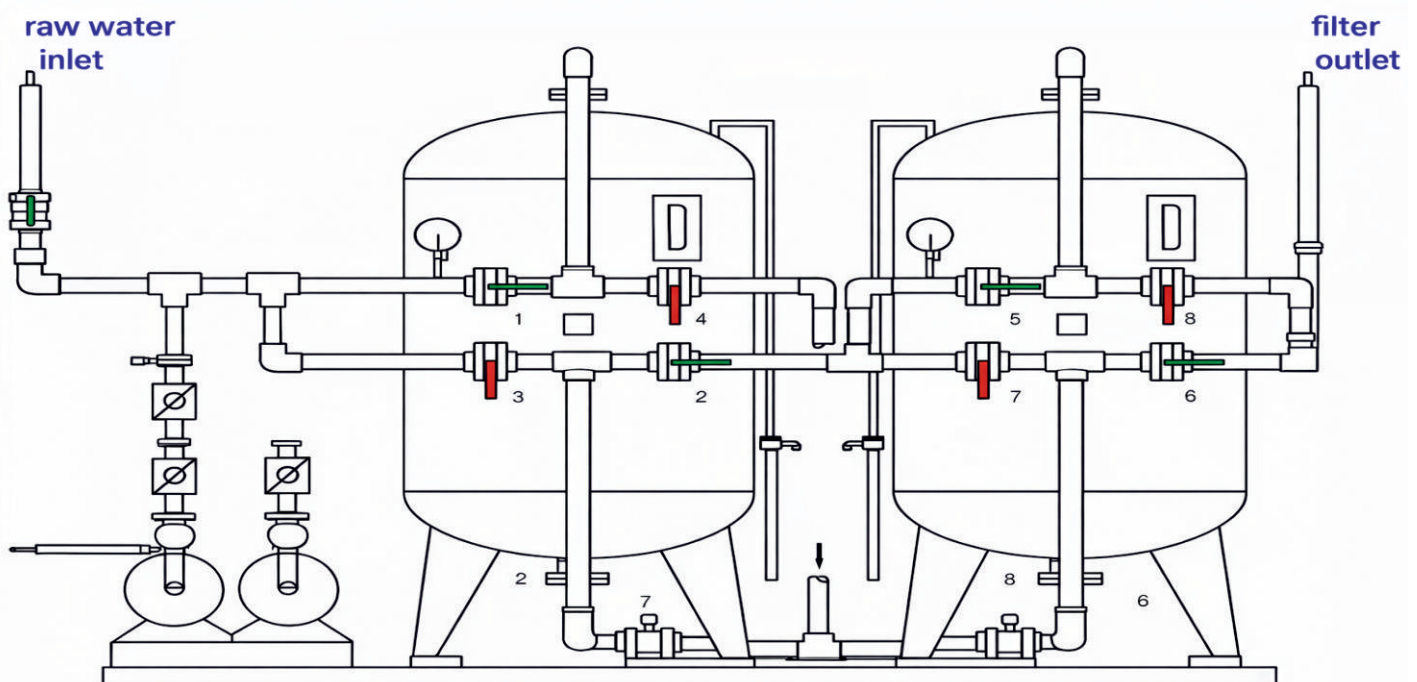
Engineered for reliable and energy-efficient performance, the Tertiary Treatment Plant ensures compliance with stringent environmental norms and supports water recycling and reuse applications.

✦ Key Features:

- Advanced polishing of treated wastewater
- Improved turbidity, TSS, and pathogen removal
- Suitable for water reuse applications
- Modular and skid-mounted design options
- Low maintenance and automated operation

✦ Applications:

- Treated water reuse for flushing & gardening
- Cooling tower makeup water
- Industrial process reuse
- Zero Liquid Discharge (ZLD) systems
- Municipal & industrial wastewater treatment plants



▲ WATER SOFTENER PLANT

The Water Softener Plant is designed to remove hardness-causing minerals such as calcium and magnesium from water through the ion-exchange process. The system prevents scale formation in pipelines, boilers, cooling towers, and industrial equipment, thereby improving operational efficiency and extending equipment life.

The plant consists of a pressure vessel filled with high-quality cation exchange resin, along with a brine tank for regeneration. The system operates in service and regeneration cycles, ensuring continuous supply of softened water.

Available in manual, semi-automatic, and fully automatic configurations, the softener plant is suitable for domestic, commercial, and industrial applications.

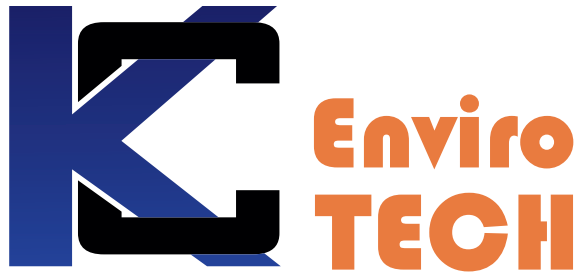
▲ Key Features:

- Effective hardness removal
- Prevents scale formation
- Automatic regeneration system
- Compact and skid-mounted design
- Low operating and maintenance cost

▲ Applications:

- Boiler feed water
- Cooling tower makeup water
- Hotels & hospitals
- Residential complexes
- Industrial process water





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