



MASTERMIND ENGINEERS

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Company Profile

MASTERMIND ENGINEERS, a pioneer in the field of environmental engineering. The company provides **complete water treatment solutions** to several industries. Mastermind Engineers is specialized in executing projects right from concept to commissioning on turnkey basis and has an experience of many environmental engineering projects for various industrial sectors. Mastermind Engineers is also one of the trusted **supplier of a quality range of Electrical Cables & Wires (SWADESHI, GEMSCAB, POLYCAB), Electrical Motors (ABB, BHARAT BIJLEE, KIRLOSKAR) and Industrial Pumpsets (KIRLOSKAR).**

Our organization is associated with well known companies for our product range. We are backed by a diligent team of professionals, which is continuously involved in meeting specific requirements of our valuable clients. We are committed to understanding and meeting our customer's needs with a standard of excellence, integrity and trust. Client satisfaction is our paramount. In our quest to provide an ideal system to meet the exact requirements of clients, in terms of quality and quantity, we emphasize on design, construction and after sales services.

Our Vision

Applying real science to find innovative solutions to today's water challenges to give best solutions for Water and Waste Water Treatment and selecting best industrial cables, motors & pumps for various industrial applications.

Our Mission

Empowering people and organizations to grow into self sustaining of water and industrial requirements, by providing an effective solution on total water management and various electrical & mechanicals industrial applications

Our Feature

1. Quality

We comply with industry's best practices and continually improve the effectiveness of our quality management system.

2. Technology

New production technologies, resultant effluent and variable parameters call for adopting latest technology and one has to keep abreast with latest innovations to counter such challenges.

3. Services

We have strong team of qualified and trained professionals who are well versed in erection, commissioning, operation, maintenance and troubleshooting.



The underlying principle of our water treatment, effluent & recycling system is based on 3 R's

- **REDUCE**
- **RECOVER**
- **RECYCLE**

BOREWELL WATER TREATMENT

- Instead of proving standard purification system, we study the water of bore well and design the environment friendly system to achieve minimum effluent with perfect quality of output. For the purpose, besides selecting perfect treatment process, as per analysis and requirement, we incorporate world's best water purification components. The Borewell water treatment not only produces perfect quality and quantity as per requirement, these environment friendly system produces minimum effluent.

STP- MBR TECHNOLOGY

- Based on long experience of STP & ETP Plants, the unit is designed with desired capacity of anoxic, bio-reactor chamber for perfect degradation of organic impurities and removal of nitrogen impurities efficiently. The treated water quality is ultra filtered, as the system is designed on Latest Membrane Bio Reactor (MBR) technology.

EFFLUENT WATER TREATMENT

- In effluent treatment plants, apart from conventional physio chemical treatment, we provide most efficient aeration system utilizing diffusers to achieve best possible biological treatment, with minimum possible operation cost. As far as tertiary treatment is concerned, we incorporate world best components to monitor the parameters. Besides, we provide ozone and electrode based degradation system to treat and condition the water as per membrane feed.

MEMBRANE BASED EFFLUENT RECYCLING SYSTEM

- We design and provide unique multi stage membrane system of variable weight cut-off as per requirement, obtaining 90% recovery and resulting in economical and efficient operation. The special feature of our multi stage membrane combination is that even at overall high recovery [more than 95%], the treated water quality is excellent as product water stage is operated on appropriate recovery. Utilization of reject water energy also reduces the operation cost.

EVAPORATION UNIT FOR MEMBRANE REJECT

- The Recovery of water through membranes is much cheaper than evaporation system. Keeping in view of the same, as mentioned above, we design unique membrane system to recover more than 95 % water, which carries minimum water to evaporation unit. As a result, overall operation cost is reduced considerably.

The feed of the operation unit is conditioned to achieve such LSI that neither it scales or corrodes the evaporator components. The multi effect evaporator thus runs efficiently, for a longer period.



PRODUCTS

- **Electrical Cables & Wires**



- **Industrial Pumps**



- **Industrial Electrical Motors**



- **Reverse Osmosis Plants and spares**

- **De-Mineralization Plants and spares**

- **Water Softening Plants and spares**

- **Water De-Alkalization Plants and spares**

- **Waste Water Treatment Plants and spares**

- **Effluent Treatment Plants**

- **Sewage Treatment Plants**

- **Zero Liquid Discharge Based ETP Recycling Plants**