

# Effluent Treatment Plant (ETP)

We Design, Manufacture, Supply, Erect and Commission Effluent Treatment Plant (ETP) on Turnkey basis for various types and natures of waste waters & effluents.

Our methodology - We analyze the effluent samples for different effluent parameters as per nature and compositions, carry out the treatability studies by using different methods checking techno-commercial Feasibility and then designed treatment schemes, processes 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.
- **Ozonization:** To remove organic matter.
- **Micro filtration (UF+RO):** To achieve zero discharge (If required)

## Applications:

- Automobile Industry
- Chemical Industry
- Metal Pretreatment
- Electroplating
- Pharmaceutical
- Textile
- Paper Mills
- Dairies
- Sugar Mills
- Leather Industries
- Petrochemical and many more.....



## Salient Features:

- **Very cost effective:** Less initial Investment.
- **Types:** Batch and Continuous.
- **Atomization:** Manual, Semi-automatic and Fully-automatic.
- **Compact and proven design:** Required very Low foot print.
- **Quality Components and Mounting items:** Special sludge pump and total corrosion free UPVC piping & FRP/Epoxy Lined MS tanks.
- **Water Recycle:** Recycling of treated is possible with advanced treatment methodology like UF and RO.
- **Operation and maintenance:** Very silent in operation and any unskilled person can operate it, after proper training.
- **Flexible design:** Starting from 0.5 m<sup>3</sup>/day to 500 m<sup>3</sup>/day capacities.
- **Recurring Expenses:** Economical plant operating cost, required regular treatment chemicals available in the market.

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**ETP Continuous Type  
(Only Chemical Treatment)**

