



# ERA

# Enviro Solution

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:: Our other Branchs ::

- **Mumbai**
- **Vadodara**
- **Rajkot**

## ○ EES is Involved

- Project Engineering & Management
- Basic & Details Engineering
- Designing & Manufacturing
- Supply, Erection & Commissioning
- Operation & Maintenance

## ○ Environment Legal Services

- Consent to Establishment (CTE) Approval from SPCB (Fresh, Amendment & Renewal)
- Consent to operate (CTO) Approval from SPCB (Fresh, Amendment & Renewal)
- Hazardous waste approval for recycler/re-user/co-processor etc. under Rule 9
- N.O.C from CGWA
- Membership for TSFD site.
- Environmental Statement Form - V
- Annual Return Form - IV
- Online Filling of Monthly Patrak
- Watercess return
- Hazardous waste Monthly return
- Hazardsdous waste yearly return

## ○ Safety & Health Division

- Disaster Management Plan
- Hazop Analysis
- Safety Audit
- Onsite & Offsite Emergency Plans
- Safety Reports
- Form - 37
- Industrial Hygiene Services

## ○ Scope of Services

### Design & Engineering

- Process Design
- Basic Design
- Design Review
- Detailed Engineering

### Project Development

- Treatability &
- Feasibility Study
- Waste Management
- Lab & Pilot Studies

### Project Execution

- Turnkey solutions
- EPC projects
- Equipment supply
- Project Management
- Procurement
- Assistance
- Inspection
- Supervision

### Operation & Maintenance

- Operation & Maintenance
- Troubleshooting
- De-bottlenecking
- Recovery



"Let's Work together to save Environment"

## ○ Design Manufacturing & Supply /Engineering / Erection & Commissioning /Performance Evaluation / Consulting

### Wastewater Treatment

- Water Treatment Plants (WTP)
- Water Filtration Plants (WFP)
- Ultra Filtration System (UFS)
- Reverse Osmosis System (RO)
- Softners, DM Plant
- Pressure Sand Filter (PSF) / Dual Media Filter (DMF) / Activated Carbon Filter (ACF)

### Water Treatment

- Screens, Agitators
- Clarifier / Clariflocculator / Thickener
- Lamella Clarifier
- Reaction Clarifier
- Diffuse Aeration
- Dissolved Air Flotation (DAF)
- Oil Skimmers

### Wastewater Treatment

- Sewage Treatment Plant (MBBR, MBR, SBR, FBR)
- Effluent Treatments Plants (ETP)
- Multiple Effect Evaporator (MEE)
- Zero Liquid Discharge (ZLD)
- Anaerobic Digester



## APCM Equipment

### Air Pollution Equipment

- Air Scrubbers
- Wet Scrubbers
- Bag Filters
- Cyclone & Multicyclone
- Ventilation System
- Fume Extraction System

Workshop area for Fabrication & Storage Facility

Structural Shed

EOT Crane

Welding Machine

Plate Bending Machine

Arc Welding Rectifier

Gas Cutting set with Regulators

Pillar Type Drill Machine

Electric Power Hacksaw Machine

Electric Power Supply, MCC Panel & Electrification

Testing Facility

5000 Sq. Ft.

Standard

10 MT & 15 MT

Gas Welding

Upto 50 mm

600 Amps. Inverter based

Upto 15 mm

Upto 25 mm dia in 25 Thk Plate

Cut upto 8" dia

With power distribution Load

DPT, DFT, Hydro Pressure etc

## STP - Sewage Treatment Plant

Sewage treatment plant is designed to remove the pollutants from the water so that then can be recycled and reused. Both organic and inorganic Pollutants are removed by using different physical and biological processes including packaged STP.

## Effluent Treatment Plant :

Effluent characteristics varies with company to company, hence it is very critical to carry out the Treatability & Feasibility study of the effluent. We do the treatability study to ensure the delivery of the most efficient, cost effective treatment system to our customers. According to the study we suggest the necessary pre-primary, Primary, Secondary & Tertiary treatment options and cost estimated

## Multiple Effect Evaporators :

We are among the leading manufactures of Evaporators. We are specialized in designing and manufacturing of Evaporators and Dryer Systems. In almost all evaporators the heating medium is steam, which heats the product on other side of a heat transfer surface.. Types of evaporators, we offer falling film Evaporators, Rising Film Evaporators, Forced Circulation Evaporators, Plate Evaporators, Compact Evaporators, Thermal and Mechanical Vapour Recompression (TVR & MVR)

## Water & Waste water Treatment



"Let's Work together to save Environment"



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## **Water Polishing : [Reverse Osmosis Plant (RO) / Ultra Filtration (UF)]**



Reverse osmosis is a membrane - Technology filtration method that removes many types of large molecules and ions from solutions by applying pressure to the solution when it is on one side of a selective membrane. It is a process of physical separation of dissolved solids and minerals present in water. This technology uses the principle of osmosis, wherein the mineral concentration of raw water is reduced by applying high pressure through a semi - permeable membrane.

**Process Equipments for water Treatment : Equipments which are used for water treatment at various steps. Equipments which are supplied by us.**



**ERA**  
Enviro Solution

- Lamella tube settlers / Lamella Clarifiers / Tilted plate separator /
- Reaction Clarifiers / Solid Contact Clarifiers : 2m<sup>3</sup>/hr to 20m<sup>3</sup>/hr
- Clarifiers (Central shaft Driven, Cage Driven and Traction of
- Peripherally Driven) & Clafiflocculator : 2 to 15 m dia
- Thickener, Lime Slaker Classifier : 50 m dia
- Dissolved Air Floatation unit (DAF) 2m<sup>3</sup>/hr to 2000m<sup>3</sup>/hr
- Surface Aerators (Fixed, Floating) and Diffusers : 2 HP to 100 HP
- API Oil Separators : 1.2m wide x 6m long to 6 m wide to 40 m long