


# Complete Environmental Solutions

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**ENVIRO CHEM ENGINEERS  
& CONSULTANTS INDIA PVT. LTD**

An ISO 9001:2015 Certified Company

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# ABOUT US...

**ECECIPL**, is a fast growing Environmental based project engineering organization dedicated to the field of Environmental Management System with professionally qualified and experienced team of Engineers.

The Company undertakes Environmental consultancy and Implement Turnkey Project Execution of Design, Engineering, Manufacturing, Installation and Trouble shooting of all types of Water / Waste Water Treatment Systems and Air Pollution Control Systems head quartered in Chennai, Tamilnadu India.

**Mr. S. SAMPATH** B.Tech, M.E. Env. & **Mr. V. S. KUMAR** is having more than 15 Years of Experience in Environmental related Turnkey Projects, Design and Execution.

They have joined as a Director in this company to overseas the group investments in India and Expansion of Company Business regionally.



## CONSULTANCY SERVICES

**Applied for NABL Accreditation**

**ECECIPL** is providing consultancy services for the following

- Environmental impact assessment studies(EIA)
- Environmental management plan(EMP).
- Ambient Air Quality Survey, Stack Monitoring & Noise Monitoring
- Analysis of Water & Waste water Parameters, Ambient Air Quality,
- Stack monitoring Survey, & Soil testing.

### WATER ANALYSIS

- Industrial Water Testing
- Drinking Water Testing
- Bore well and Raw water Testing
- Effluent, Sewage & Waste Water Testing
- Sea Water Testing.

### AIR ANALYSIS

- Ambient Air Quality Monitoring
- Work zone Air Quality Monitoring
- Hydrocarbons, Volatile Organic Compounds (VOC) Monitoring and Testing
- Stack Gases Monitoring.

# SEWAGE TREATMENT PLANT (STP)

Treatment of sewage and canteen wastes to the Stringent Standards of Statutory bodies is an area requiring high efficiency.

**Enviro Chem Engineers & Consultants India Pvt. Ltd** is in a position to provide consultancy and supply of equipment to meet these exacting standards by providing treatment systems with reference to community re-use of sewage for irrigation and Secondary domestic purposes.

■ Packaged STP ■ STP as Turnkey projects ■ Membrane Bio-Reactor

■ Organic matter undergo microbial decomposition to settleable flocks in presence of oxygen

■ Activated Sludge Process / Tricking filter / Oxidation Pond

- Aerobic & Anaerobic effluent treatment plants
- Biological Sewerage treatment plants
- Chemical Oxidation of high COD effluent
- Tilted Plate Interceptor for Oil Separation
- Sludge Thickeners, Rake Arm Clarifiers
- Dissolved Air Flotation for emulsified / oily waste
- Sprinkler type to enhance the evaporation rate in Solar
- Evaporation pond for disposal of High TDS effluent & RO Rejects.
- Colour removal for textile effluents
- Pressure sand filters & Carbon filters
- Diffused aeration system
- Tertiary Treatment Plants
- Nano filtration plants
- Ultra filtration plants
- Reverse Osmosis Plant
- Water reclamation and reuse

## EFFLUENT TREATMENT PLANT (ETP)



# ZERO LIQUID DISCHARGE SYSTEM (ZLDS)



The treated water from the Effluent Treatment Plant follows various treatment technologies like Ultra Filtration, RO followed by Mechanical Evaporator & Solar Ponds.

**ZLD** is a process which employs the most advanced Waste Water Treatment technologies to purify and recycle virtually all the Waste water produced.

“ECECIPL” by virtue of Experience, Designs, Recycling systems which will reduce buying fresh water for manufacturing purpose. Mechanical Evaporators are designed by ECECIPL which will work on the options of Steam & Vacuum, Thermic Fluid Circulation & by Diesel. At hold the Experience to evaluate the best available technology in order to achieve the highest recovery of liquid, together with lowest running cost.

## WATER TREATMENT PLANT FOR INDUSTRIAL & MUNICIPAL PURPOSE

Water Treatment is the process of removing suspended contaminants & dissolved contaminants from the water source.

This is achieved by producing water fit for specific application such as for domestic consumption and industrial application.

### Water Treatment consists of two phases:-

- Removal of physical properties
- Removal of Chemical properties

Removal of Physical properties includes process such as Filtration, Sedimentation, Chlorination, Ultra Filtration, UV, Ozonation , etc.

Removal of Chemical properties includes Softening, Demineralization, and Reverse Osmosis etc.

“ECECIPL” offers various Treatment Systems like,

- Filtration Systems
- Iron Removal Systems
- Water Softeners
- Mixed Bed Units
- Reverse Osmosis Units

The above units can be supplied in both Manual & Auto options which can be controlled by PLC Automations, SCADA Controls with provision to link up with Client DCS Systems.



**SUPPLY OF CHEMICALS & SPARES FOR**

**ETP, STP, RO, WTP & Softener Plant, Membrane, Dosing pump etc.,**

# AIR POLLUTION CONTROL SYSTEMS



Industries produce toxic air in their process which is harmful for the environment.

Now-a day's Government bodies are hard pressing the industries to install air handling systems to treat the toxic air before letting it out to the atmosphere.

**“ECECIPL”** supplies scrubbers to various Industries to remove the odor, emissions & VOC etc.

- Wet Scrubbers
- Dry Scrubbers
- Cyclone separator
- Dust collector

## OPERATION & MAINTENANCE

Operating & Maintaining the water, waste water treatment plants for most of the Industries has now has become a herculean task, hence the word Outsourcing aroused.

By awarding the Operation & Maintenance contract to us the client can concentrate on his core areas of business and his facility is also well taken care by a competent partner like us.

**“ECECIPL”** O&M Team is well equipped to provide technical support & services to maintain the systems efficiently.

Our O&M Teams responsibility is targeted on maintaining the plant in a professional manner by up keeping proper records, and as per the requirements of the State Pollution Control Boards.

**“ECECIPL”** has a team of experts in Mechanical, Electrical & Instrumentation departments to attend shut down & Critical activities.

SOP is well maintained & recorded which helps us in improving the plant performance. Based on the confidence given to our Customers in Operation & Maintenance we are operating more than sites which includes our sites etc.,

## OUR CLIENTS



PARKSONS PACKAGING LTD.



## ENVIRO CHEM ENGINEERS & CONSULTANTS INDIA PVT. LTD.

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