



**3D Aqua**<sup>®</sup>  
Rid the dirty water

Word's Best 

**Effluent Treatment Plant**

**ETP PLANT**

**Manufacturer**

FOR WATER TREATMENT, FOOD AND PROCESSING, PHARMACEUTICALS, PHARMACEUTICALS,  
FOOD & BEVERAGES, METALS & MINING, TEXTILE, PAPER & PULP, SUGAR MILLS, DYEING UNITS,  
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# About

## 3D Aqua Water Treatment Company

3D Aqua is headquartered in Delhi/NCR. We have earned a reputation as a leading manufacturer and supplier of Effluent Treatment Plants (ETP) and Waste Water Treatment Plants (WWTP), adhering to the stringent guidelines set by the Pollution Control Board. With a wide range of capacities—from 0.25 KLD to 500 KLD—we have solutions for both small-scale and large-scale industrial operations.

**From 0.25 KLD to 500 KLD - We design plants for both small and large users.**



Helpline Number:

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C-268, SECTOR-10, NOIDA, UP - 201301

# Introduction

## Effluent Treatment Plant (ETP)?

An [Effluent Treatment Plant \(ETP\)](#) is a specialized facility designed to treat industrial wastewater before it is safely discharged into the environment. By using a combination of physical, chemical, and biological treatment processes, ETPs remove harmful contaminants, ensuring compliance with environmental regulations and minimizing the impact on ecosystems.



## ETP Standards and Guidelines

ETP systems must meet National Standards for wastewater set by the Government to ensure proper effluent treatment. The effluent must be treated to meet these regulatory standards before discharge.

## ETP Design & Treatment Stages

Effluent Treatment Plants typically operate in four distinct stages:

1. **Preliminary Treatment:** Removal of large solids, oils, and greases.
2. **Primary Treatment:** Removal of floating and settleable solids, organic matter.
3. **Secondary Treatment:** Biological treatment to remove biodegradable organic matter (BOD).
4. **Tertiary Treatment:** Removal of residual suspended solids and dissolved solids.

## Chemicals Used in ETP

Various chemicals are utilized in the ETP process to aid in treatment. Some of the commonly used chemicals include:

- **pH Neutralizers:** Acids (e.g., HCl) and Bases (e.g., NaOH)
- **Coagulants & Settling Aids:** Aluminium Sulphate, Ferric Sulphate, Polymers
- **Ion Removal Chemicals:** Specific chemicals as per treatment needs
- **Disinfectants:** Chlorine, Bleaching Powder (Sodium Hypochlorite)
- **Adsorption Agents:** Activated Carbon



# Our ETP Plant Models

## 1 KLD Compact ETP (Skid Mounted)

Ideal for small users like pharmaceutical labs, workshops, etc.

- **Capacity:** Up to 1KLD
- **Process:** Physicochemical Treatment
- **Features:** Robust design, FRP construction, easy operation, no civil work required, and PCB-compliant.



## 2 KLD Compact ETP (Skid Mounted)

Suitable for small users like workshops, labs, and restaurants.

- **Capacity:** Up to 2 KLD
- **Process:** Physicochemical Treatment
- **Features:** Lightweight, compact design, automatic features, and no civil work required.

## 4 KLD Compact ETP (Skid Mounted)

Perfect for medium-scale users like hospitals and small industries.

- **Capacity:** Up to 4 KLD
- **Process:** Physicochemical Treatment
- **Features:** Robust design, low energy consumption, easy operation, and monitoring of pH and flow.





# Our ETP Plant Models

## 0.25 KLD & 0.5 KLD Cabinet Models

Compact and portable solutions for small businesses like workshops, path labs, and restaurants.

- **Capacity:** 0.25 KLD & 0.5 KLD
- **Process:** Physicochemical Treatment
- **Features:** Easy to install, low noise, easy operation, and PCB-compliant.



## Portable ETP 5 - 15 KLD

For industries requiring portable, medium-scale wastewater treatment.

- **Capacity:** Up to 15 KLD
- **Process:** Physicochemical Treatment
- **Features:** Lightweight, portable, easy to operate, and energy-efficient.

## Portable ETP 20 - 30 KLD

Designed for larger operations needing a compact solution.

- **Capacity:** 20-30 KLD
- **Process:** Physicochemical + Anaerobic + Aerobic Treatment
- **Features:** Semi-automatic design, standby pump, and central control panel.



# Our ETP Plant Models

## ETP Capacity 40 KLD and Above

For large-scale wastewater treatment needs with customized designs.

- **Capacity:** 40 - 60 KLD
- **Process:** Physicochemical + Anaerobic + Aerobic Treatment
- **Features:** Advanced treatment options, customized sizes, and full compliance with PCB guidelines.

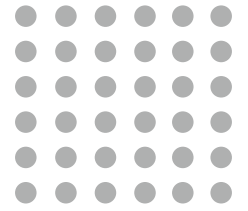


## 75 and more KLD

For industries requiring portable, medium-scale wastewater treatment.

- **Capacity:** 75 kld and above
- **Process:** As suitable to effluent quality
- **Features:** Water Treatment and ZLD

**This updated version of your presentation provides a comprehensive and clear view of your product offerings, their features, and the industries you serve, all while being unique and engaging.**

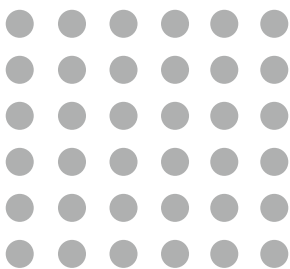


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