

# Sewage Treatment Plant Effluent Treatment Plant



*Life is Precious*

Primary Treatment **Odour Free** Ultra-micro Filtration  
Secondary Treatment **Oil and Grease Management**  
**Industrial Effluent Treatment** Tertiary Treatment **Chemical Oxidation**  
**Automatic Package Treatment** **Low Power Consumption**  
Residential Sewage Treatment **Low Maintenance**  
**Small & Compact Design** **High Quality Treated Water**  
**Activated Sludge System**

# SAVE Environment

## Let us Stop Pollution and Save our Earth



## End to End Sewage and Waste Water Treatment Solution Providers

### Sectors

Apartments  
& Societies

Hotels & Resorts

Hospitals

Schools & Colleges

Industries

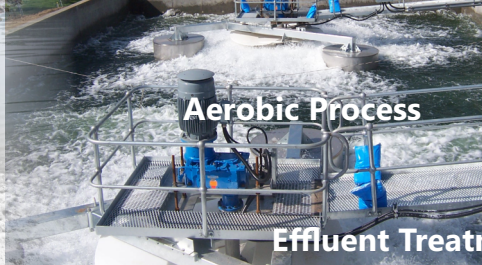
Malls &  
Commercial

Institutions

Village & Towns



Anerobic Process



Aerobic Process

Effluent Treatment





## Fate of Water Bodies



## Few Facts \*

- 80% of sewage is untreated and flows directly to water bodies polluting the main sources of drinking water.
- Untreated sewage pollutes Indian Rivers, Lakes & Other water bodies
- Thousands of factories dump untreated toxic waste into water bodies
- Only 160 out of nearly 8,000 towns in India had both Sewerage systems and a Sewage treatment plant (2011 - CPCB Survey)
- Water pollution is the major cause of various diseases like Cholera and Typhoid.
- Important water contaminants which are man-made include Heavy Metals, Nutrients, Microbial Pathogens, Sediments, Organic Matter, etc.

\* Various sources

**Adhisha provides a wide range of sewage treatment plants (STPs) that are designed and engineered to suit - raw & treated sewage parameters, pollution control guidelines issued by respective authorities.**

We also address **industrial needs of waste water treatment** (Effluent) by providing necessary techniques (to remove organic contaminants like, Oil, Grease, Metals & Harmful Chemicals).

**Biological degradation process** occurs through - total oxidation, suspended and attached growth treatment techniques. This biological process **removes organic substances by** using mechanisms similar to those of **natural self-degradation** based on demolition **action of specific aerobic bacterial strains**, whose activity is directly proportional to water, natural oxygenation degree. **Micro-organisms in biological reactor use** organic soluble matter in **sewage as food**. The biomass development and consumption requires only nutrients (coming from raw sewage) and oxygen.

**We offer** anaerobic processes **as per your needs** with the combination of aeration **equipments** that produce high Oxygen Transfer Rate **with low energy consumption (up to 50%)**.

### The primary benefits of a well-run STP are:

**Assured availability of water for various secondary uses.**

**Enormous savings in fresh water costs.**

**Environment Friendly.**

**Improved public Health.**

<b>Solids Separation (Screening)</b>	<b>Removal of Oils and Greases</b>
<b>Removal of Organics (BOD and COD)</b>	<b>Removal of Suspended and Dissolved Solids</b>

## Safe and Reliable Systems

**Buildings** which are **not connected to** main **drainage needs** alternative **safe and reliable** domestic **sanitation**. Adhisha has many years experience of producing high quality package sewage treatment plants that are ideal for domestic, apartment, hotels, society, village, municipal & industrial installations.

The compact design of **Adhisha's sewage treatment plants** leads to minimal disruption when installation is carried out. Further, below-ground installation in a **robust self-contained** unit means low visual impact, no odours and minimal noise.

Advice from our skilled technical sales and service team can help give you both, **peace of mind** and **value for money** in the system you select.

### Our STP offerings include:

- Prefabricated STPs
- Activated Sludge Process
- MBBR/FAB (attached growth) based STPs
- SBR (Sequencing Batch Reactor)
- MBR (Membrane Bioreactor)
- SAFF (Submerged Aerobic Fixed Film)
- Smell free and Energy efficient STPs
- Grey Water Treatment Plants (GWTPs)

**Adhisha Water Solutions Pvt. Ltd., is an End-to-End water solutions and service provider**

**Our Products: RO-UV-UF | WTP | Filtration | Softeners | Rain Harvesting | DM Plants | WWTP**

**Our Services: Consultancy | Design | Project Execution | Maintenance | AMC**

*Life is Precious*

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