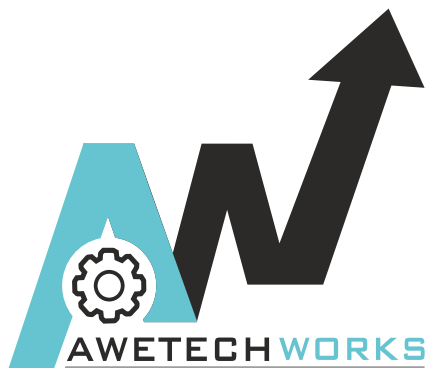




GeM  
Government  
e Marketplace



Economical Recycling For Efficient Reuse

# End to End WATER MANAGEMENT SOLUTIONS

FROM  
WASTE TO  
RESOURCE



# About Us

**Awetech Works Pvt. Ltd.** is a leading water and wastewater treatment company. Awetech provides end-to-end solutions, from designing, manufacturing, commissioning, operation, and maintenance to obtaining consent from local authorities, ensuring compliance with environmental regulations.

**Awetech's** in-house team of civil, electrical, mechanical, and environmental engineers has a proven track record of delivering high-quality products at economical prices and executing projects on time. Awetech also has a dedicated vertical for AMC and operation & maintenance projects. With its wide range of products and services, Awetech is the perfect partner for domestic and industrial water treatment and recycling needs.

## Business Verticles

**Industrial Water Treatment Solutions**

**Waste Water Treatment & Recycling Solutions**

**Operation & Maintenance Services**



**Ambar Sharma**  
CEO

**Background**  
Engineer  
(Electrical & Electronics)  
Executive MBA, IIM Calcutta

**Total Experience**  
20 Years

**Expertise**  
Business planning,  
team building and  
industrial automation.



**Ashish Dagar**  
Executive Director

**Background**  
Engineer  
Mechanical

**Total Experience**  
18 Years

**Expertise**  
Production Management  
Business Administration  
& Machine Designing.



**Gagan Mittal**  
Head of Engi. & Design

**Background**  
M.Sc.  
(Gold Medalist)

**Total Experience**  
45 Years

**Expertise**  
Water treatment &  
Wastewater recycling  
solutions and process  
engineering.



**Aman Verma**  
General Manager

**Background**  
M.Com & MBA

**Total Experience**  
10 Years

**Expertise**  
Customer Relations  
Sales Planning  
Tendering Process and  
Business Development



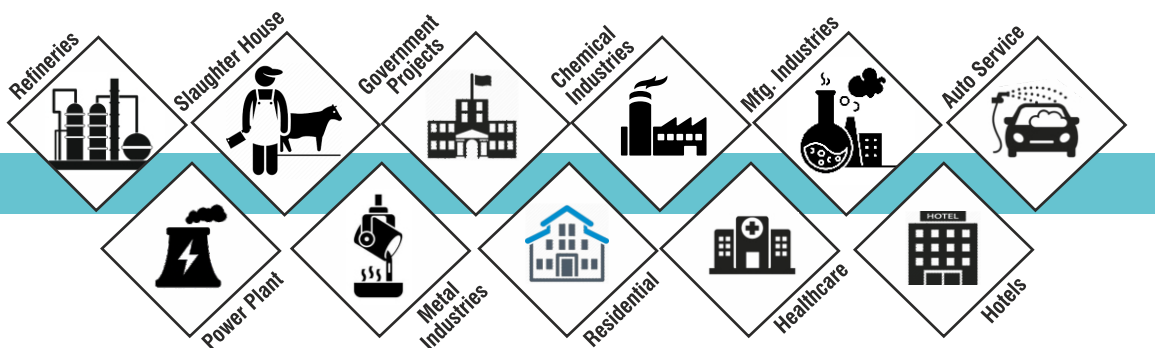
**Rishabh Srivastava**  
Project Manager

**Background**  
Engineer  
(Mechanical)

**Total Experience**  
10 Years

**Expertise**  
Project Management  
Project Cost Analysis  
& Quality Control.

## Industries We Serve



# Industrial Water Treatment Solutions

Industries require specific water treatment processes to meet the high-quality standards demanded by various applications. For example, boiler systems need soft water, chemical processing demands demineralized (DM) water, and food processing requires RO water. For drinking water, a further detailed analysis is essential to identify any parameters that deviate from BIS or WHO guidelines. Based on the results, **solutions such as Iron Removal Plants, Chloride Removal Systems, or Pre-treatment Plants** will be recommended to ensure compliance and safety. Awetech's technical team provides not only high-quality products but also expert guidance to ensure you select the right solution for your application.

## Multi Stage RO Plant



**Efficiency - 95%** water recovery, ensure minimal water wastage.

**Perfect Engineering** - Error free design through advanced RO projection software, customized by experts

**Reliability at its Core** - Robust design using SS material and world class membranes.

**Ease of Maintenance** - Built-in CIP (Cleaning in Place) system and plug-&-play design for easy periodic maintenance.

**Fail Safe Operations** :- Pressure switches, auto cutoff sensor, TDS controller & PLC automation.

**Performance - 95%** removal of hardness causing minerals like calcium & magnesium, ensuring high-quality, soft water for industrial and domestic use.

**Low Cost** - High-Quality Resin with an extended product life for consistent performance.

**Fit & Forget** - Automatic On-Off Control, Automatic Regeneration for hassle-free operation.

**High Quality** - Corrosion-Resistant MS/FRP Vessels ensuring durability and longevity in all conditions.

**Zero Maintenance** - Easy to change resin and recommissioning of system.

## Industrial Water Softener



## Demineralization Plant



## Ultra Filtration System



# Waste Water Treatment & Recycling Solutions

## Sewage Treatment Plant

Awetech provides complete, end-to-end solutions for all sewage and effluent management needs. From the design and construction of drainage systems and sewage collection tanks to advanced sewage treatment, wastewater recycling, and water distribution for reuse, Awetech ensures seamless integration of every stage under one roof. As a leading EPC (Engineering, Procurement, and Construction) contractor, Awetech handles the design, supply, installation, commissioning, operation, and maintenance of STP (Sewage Treatment Plant) units, ensuring smooth and reliable performance.

### Key to Success:

#### Selecting the Right Technology

At Awetech, selecting the most suitable technology for STP design is paramount. We customize our solutions based on the type of industry, the end use of recycled water, legal compliance requirements, operational and capital costs, and future expansion plans. Additionally, we ensure that the treated water from the STP is fully recycled through advanced ultrafiltration and RO systems, making it perfectly suitable for industrial reuse.

- Moving Bed Bio Reactor (MBBR)
- Fix Bed Bio Reactor (FBBR)
- Membrane Bio Reactor (MBR)
- Sequential Batch Reactor (SBR)
- Activated Sludge Process (ASP)
- Bio Digestor
- Johkasou (Japanese) Technology



#### IOCL Jharsugda, Orissa

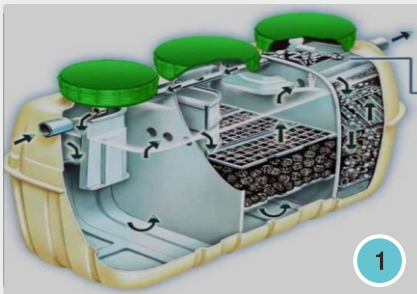
Project - STP Plant  
Capacity - 40KLD  
Technology - SBR



#### Orient Syntex, Bhiwani (RJ)

Project - STP Plant  
Capacity - 250KLD  
Technology - MBR

## Underground Sewage Treatment Plant Based on Concept of Johkasou Japan



#### PRE-FABRICATED STP UNIT

- MOC - 100% FRP
- Easy to install & operate
- Packaged STP \
- Fully automatic plc controlled operation



#### ADVANCED TECHNOLOGY

- Advanced anaerobic Aerobic type on site treatment systems (Johkasou)
- Approved technology by central public health and environmental engineering organisation (CPHEEO).



#### ZERO FOOTPRINT ON FLOOR

- Only manholes, air pipe with required pumps and blowers will be seen on the ground level.
- Low sludge generation and quick maintenance
- Odourless and low noise
- Long product life up to 20 years
- Leak proof and non corrosive
- Up to 90% waste water recycling with excellent quality.

# Waste Water Treatment & Recycling Solutions

## Effluent Treatment Plant

Unlike sewage, every industry effluent parameters are varied in nature. Thus perfect design is very crucial otherwise the entire investment on project will be wasted. For example for Effluent with High COD level anaerobic reactors suits best. While for highest TSS with low COD level Physio-chemical with aerobic process is appropriate. In Awetech's design team holds 25 years of experience in ETP designing and commissioning.

### Compact ETP unit

Physio-chemical based compact ETP unit for small projects like Automobile service station, Hospitals, printing units, electroplating units etc.

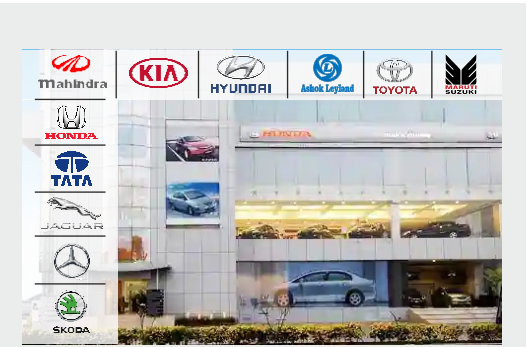
### Industrial Effluent treatment plant

Physio-chemical with aerobic and anaerobic treatment methods for textile, Food processing, paper, chemical refinery and other large scale manufacturing industry.

### Centralised Effluent treatment Plant

A Centralized Effluent Treatment Plant (CETP) is a facility designed to treat wastewater (effluents) collected from multiple industries or units located within a specific area. Instead of having individual treatment systems for each industry, a centralized plant provides a common platform to handle and treat wastewater effectively. Key Features of a CETP:

- Centralized System: All wastewater from various industries in an industrial estate or region is treated in one location.
- Cost Sharing: Industries share the expenses for building, operating, and maintaining the CETP, making it cost-effective for smaller units.
- Regulatory Compliance: CETPs help industries collectively comply with environmental regulations.



### Automobile Dealership

Project - ETP Unit  
Capacity - 5 to 25 KLD  
Installation - 300+



### Health Care Industries

Project - ETP Unit  
Capacity - 5 to 25 KLD  
Installation - 60+



### L&T, Ludhiana

Project - ETP Unit  
Capacity - 40 MLD



### Ariba Foods (Bikaji)

Project - ETP Unit  
Capacity - 200 KLD



### Annamrita Foundation

Project - ESTP  
Capacity - 100 KLD



### Government Hospital, Sivan (Bihar)

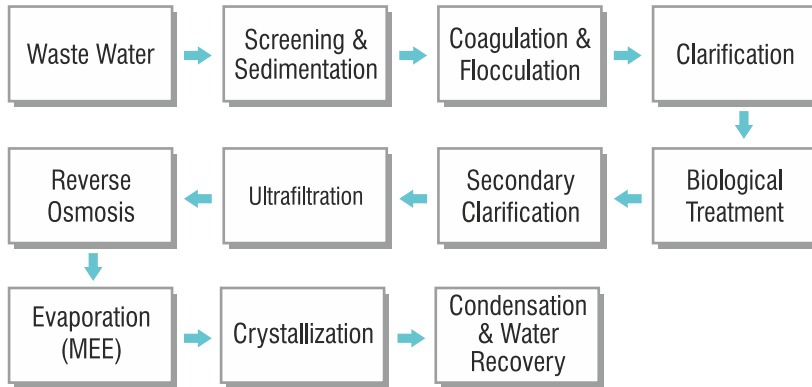
Project - STP + ETP Unit  
Capacity - 700 KLD

# Waste Water Treatment & Recycling Solutions

## Comprehensive Zero Liquid Discharge Solutions

A Zero Liquid Discharge (ZLD) plant is a wastewater treatment system designed to eliminate liquid waste or discharge from industrial processes, meaning no wastewater is released into the environment. It typically involves the recovery, recycling, and reuse of water, while the waste solids are disposed of or treated. We AWETECH offer end to end ZLD solutions to our clients, starting from waste water pretreatment, evaporation, crystallization, condensation & upto reused of recycled water.

### Typical ZLD Plant Process Flow :



This process enables industries to reuse up to 95% of water and minimize waste discharge.

## Types of Multiple Effect Evaporation Plant & Dryers

- Falling Film Evaporation Plants
- Forced Circulation Evaporation Plants
- Rising Film Evaporation Plants
- Combination Evaporation Plants
- Agitated Thin Film Dryers (ATFD)

## ZLD Solutions for Small & Mid Size Industries



### Features

- Available in standard capacity of 20/45/90/170/300/500 Ltr/hr.
- Available in standard 316 SS alloy as well as other more corrosion resistant alloys for long term reliable operation for even the most corrosive applications.
- Designed for high efficiency and faster evaporation.
- Heaters designed with proper surface loading ensures efficient evaporation and longer life of heaters in case of electrically operated.
- Gas or steam operated, heating system is designed for maximum efficiency and trouble free operation resulting in reduced fuel cost.
- A wide variety of heat sources allows end user to use the most economical heat source available.
- Sloped bottom for easy removal of solids.
- Efficient controls ensures safety against heater burnouts and dry run of coil or burner. The level switch is interlocked with heating source at two stages for fail safe operation.

Electrical Operated

Gas Operated

Steam Operated

# Operation & Maintenance Services

Experienced O&M team of Awetech knows that preventive maintenance is the key to extended equipment life and smooth plant operation.

The trained professionals are the most basic and important requirement for any O&M. Before starting his work at site, every Awetech O&M professional has to pass multiple internal assignments like Training programs on Safety Norms, code of conduct, Plant operation, Technical know-how, optimize use of chemicals & utilities and Preventive maintenance.

Awetech team of subject matter experts like Chemist, lab assistant, Certified plumbers, electrical Engineer, Civil engineer and environment engineers are always available to provide technical support to site team. All Awetech O & M professional are equipped with PPE kits and mechanical tools.

## Awetech Brand Promise to O&M Contract customers

- Ensure plant operation and preventive maintenance activities as per set SOP, without compromising on safety norms.
- Optimum use of chemicals and consumables.
- Right people and right tools for the right job.

## Plant Automation

- Auto start/stop of pumps, blowers and other electrically operated equipments
- Automatic multiport valve to ensure on time cleaning of filter vessels.
- Automatic pH correction, chemical dosing, water flow & TDS monitoring.
- Online water monitoring system to monitor and record the parameter of treated water parameters like COD, BOD, TSS, pH, TDS, Flow etc.
- Alarms and indications to monitor equipment health.

On-going & Completed O & M Contracts - **24+**

Manpower in O & M vertical **100+**

Biggest O & M Contract at L & T Ludhiana **40 MLD**



**Northern Coal Fields, Bina**  
Project - ETP, Capacity - 32 MLD



**L & T, Ludhiana**  
Project - CETP, Capacity - 40 MLD



**Goa Airport Location, Goa**  
Project - STP, Capacity - 600 KLD



**Thermal Power Plant, Sarni**  
Project - STP, Capacity - 2.6MLD



**Central Hospital Coal India, Ranchi**  
Project - ETP, Capacity - 35KLD



**Shriji Polymers India Ltd., Ujjain**  
Project - WTP, Capacity - 100KLD



**Pasco Group (Automobile), Delhi**  
Project - ETP, Capacity - 20KLD

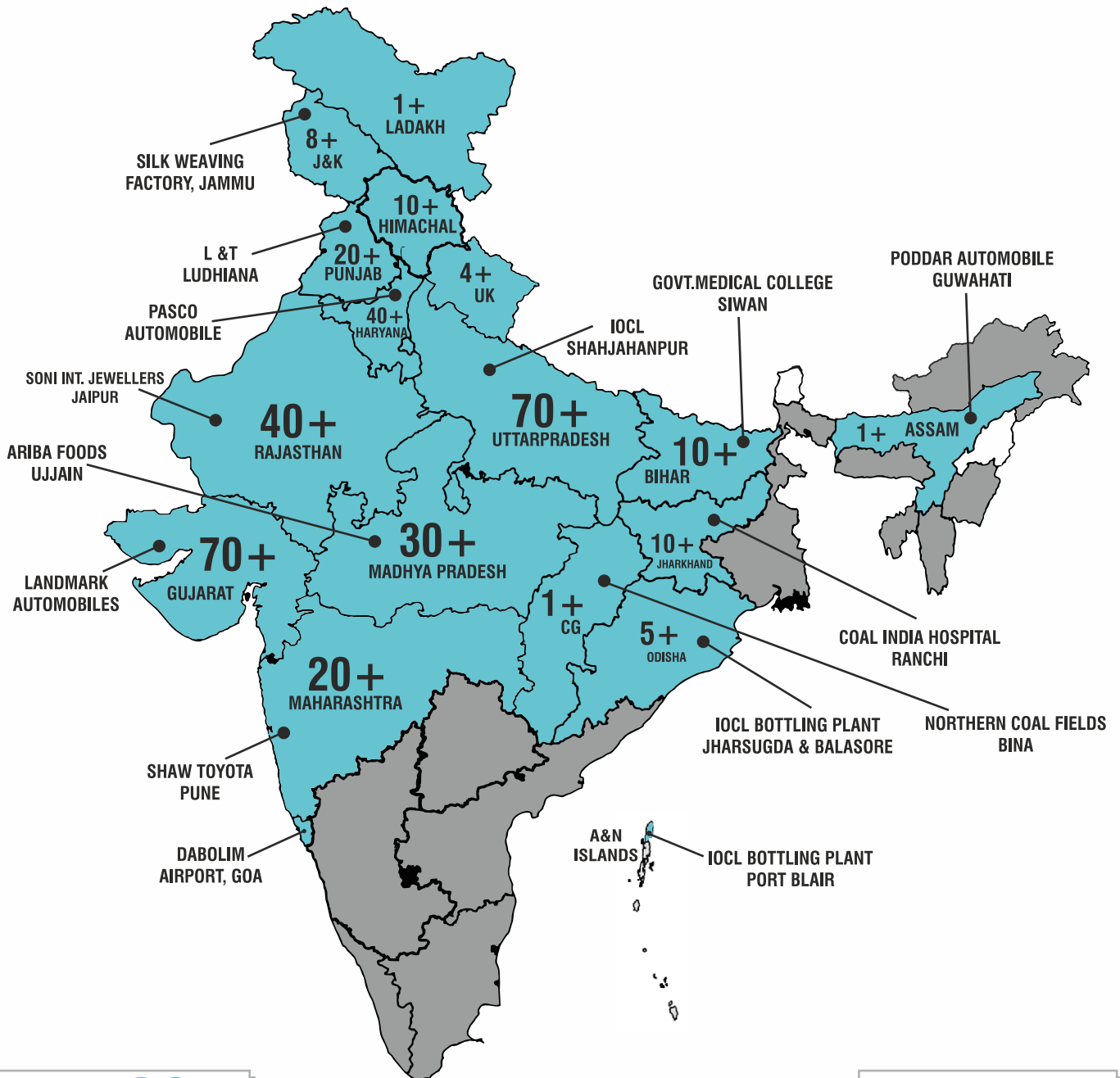


**IIPM, Delhi**  
Project - STP, Capacity-80KLD

# PAN INDIA NETWORK

PAN INDIA INSTALLATIONS **500+**

OPERATION & MAINTENANCE TEAM **100+**



PROJECT & SERVICE TEAM **20+**

SALES TEAM **10+**

## ▶ Manufacturing Unit

Plot No.2, 216 sq.yds., Khasra No.71/4,  
Rattan Singh Palace, Village Ghevra, **New Delhi-110081**

## ▶ Branch Office

- Ahmedabad • Lucknow • Jaipur
- Ujjain • Ludhiana

📞 91589-80555, 97798-12699

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