



AIRWAA
— TECHNOLOGIES —



PRODUCT

CATALOGUE

Engineering
CLEAN AIR

Protecting
EVERY DROP

COMPANY PROFILE

At Airwaa Technologies, we specialize in designing, manufacturing, installing, and maintaining advanced Air Pollution Control Systems and Water & Wastewater Treatment Plants for industries across diverse sectors.

We provide complete turnkey environmental solutions—from environmental consulting and statutory compliance support to process design, manufacturing, installation, commissioning, operation, annual maintenance, and spare parts support.

Our solutions are customized to meet every industry's process requirements while complying with CPCB, SPCB, ISO, and international environmental standards.

We believe that clean air and clean water are not merely regulatory obligations—they are the foundation of sustainable industrial growth.

OUR MISSION



To provide innovative, energy-efficient, and sustainable environmental engineering solutions that help industries achieve regulatory compliance while protecting natural resources.

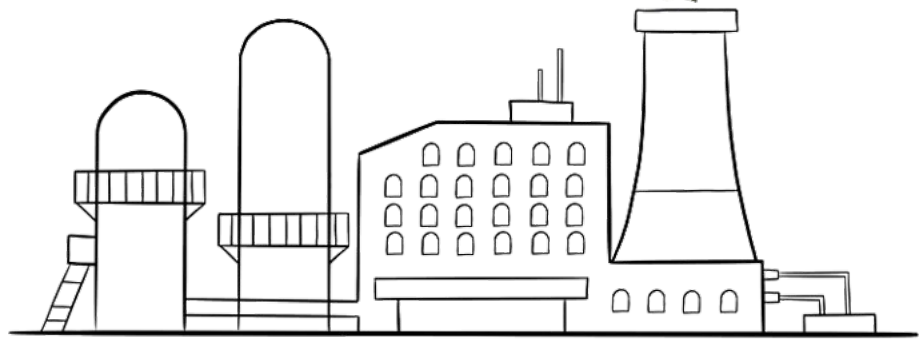
OUR VISION



To become India's most trusted environmental engineering company by delivering world-class pollution control technologies and long-term customer partnerships.

COMPLETE ENVIRONMENTAL ENGINEERING SOLUTIONS

- CONSULTING
- DESIGN
- MANUFACTURING
- INSTALLATION
- COMMISSIONING
- OPERATION
- AMC
- SPARES



WHY AIRWAA TECHNOLOGIES?

- ◆ Complete Turnkey Solutions
- ◆ Customized Engineering
- ◆ In-house Design & Manufacturing
- ◆ Expert Environmental Consultants
- ◆ Energy Efficient Systems
- ◆ Industry-specific Solutions
- ◆ Quality Assurance
- ◆ Experienced Technical Team
- ◆ PAN India Support
- ◆ Annual Maintenance Contracts
- ◆ Genuine Spare Parts Supply
- ◆ Remote Technical Assistance
- ◆ Fast Service Response
- ◆ Cost-effective Solutions

INDUSTRIES WE SERVE

- ◆ Chemical Industries
- ◆ Pharmaceutical Industries
- ◆ Food Processing
- ◆ Textile Industries
- ◆ Dairy Industries
- ◆ Automobile Industries
- ◆ Engineering Industries
- ◆ Paper Industries
- ◆ Power Plants
- ◆ Sugar Mills
- ◆ Steel Industries
- ◆ Oil Refineries
- ◆ Cement Industries
- ◆ Paint Industries
- ◆ Printing Industries
- ◆ Hospitals
- ◆ Hotels
- ◆ Commercial Buildings
- ◆ Educational Institutions
- ◆ Municipal Corporations



OUR PRODUCTS

- ◆ MS, SS, FRP & PP Equipments
- ◆ Industrial Ducting Systems
- ◆ Pressure Vessels
- ◆ Chemical & Storage Tanks
- ◆ Reaction Tanks
- ◆ Industrial Scrubbers
- ◆ Clarifiers
- ◆ Oil skimmers
- ◆ ETP & STP Tanks
- ◆ Industrial Blowers
- ◆ Industrial Chimneys
- ◆ Cooling Towers
- ◆ Solar evaporator
- ◆ Oil and Grease trap System
- ◆ Flash mixers and Agitaors
- ◆ Lamella Clarifier
- ◆ Pressure Sand Filter
- ◆ Activated Carbon Filter
- ◆ Chemical Dosing System
- ◆ Sludge Drying Bed

OUR SERVICES

- ◆ Site Installation
- ◆ Mechanical Erection
- ◆ Electrical Installation
- ◆ Instrumentation
- ◆ Automation
- ◆ Pipeline Works
- ◆ Performance Trials
- ◆ Operator Training
- ◆ Documentation
- ◆ Revamping of Existing STP/ETP
- ◆ Annual Maintenance
- ◆ Preventive Maintenance
- ◆ Breakdown Service
- ◆ Health Check-up
- ◆ Equipment Inspection
- ◆ Performance Analysis
- ◆ Chemical Optimization
- ◆ Energy Optimization
- ◆ Replacement Planning
- ◆ Testing & Consulting



INDUSTRIAL SCRUBBERS

We are a specialized manufacturer of Dry Scrubber, Wet Scrubbers and Wet Bottom Scrubber Systems, providing efficient and reliable solutions for controlling industrial air pollution, harmful fumes, dust, and particulate emissions.

With strong expertise in FRP, PP, MSFRP, and corrosion-resistant fabrication, we deliver high-performance systems designed for demanding industrial environments and compliance with environmental regulations.

TYPES OF SCRUBBERS

- Dry Scrubber
- Wet Scrubber
- Wet Bottom Scrubber
- Venturi Scrubber

MATERIAL OF CONSTRUCTION

- FRP
- PPFRP
- MSFRP
- SS

INDUSTRIAL DUCTING & CHIMNEY WORKS

We are specialists in the design, fabrication, and installation of Industrial Ducting Systems and Chimney Works, providing reliable solutions for air handling, ventilation, exhaust gas management, and pollution control applications. With expertise in **FRP, PP, MS, SS, GI** and corrosion-resistant fabrication, we deliver customized systems engineered for durability, efficient airflow, and long-term industrial performance.



EFFLUENT TREATMENT PLANT

An Effluent Treatment Plant (ETP) is a facility designed to treat industrial wastewater (effluent) by removing physical, chemical, and biological contaminants before the water is discharged into the environment or reused in industrial processes. ETPs help industries comply with environmental regulations and reduce pollution.

Industrial Wastewater → Screening → Equalization → pH Treatment → Chemical Treatment → Biological Treatment → Clarification → Filtration → Treated Water

We are a manufacturer and supplier of high-quality ETP Tanks (Effluent Treatment Plant Tanks) designed for efficient handling, treatment, storage, and processing of industrial wastewater and chemical effluents. With expertise in FRP, PP-FRP, MSFRP, and corrosion-resistant fabrication, we deliver durable and customized tank solutions suitable for demanding industrial environments.

Our ETP tanks are engineered for long service life, leak-proof operation, and reliable performance under highly corrosive wastewater conditions.



SEWAGE TREATMENT PLANT

A Sewage Treatment Plant (STP) is a system used to treat wastewater generated from homes, buildings, industries, and commercial areas. It removes solid waste, organic pollutants, harmful bacteria, and other contaminants through various treatment processes. The treated water can then be safely discharged or reused for purposes such as gardening, flushing, and landscaping, while the collected sludge is properly treated and managed.

We are a manufacturer and supplier of high-quality STP Tanks (Sewage Treatment Plant Tanks) designed for efficient sewage collection, treatment, storage, and processing applications. With expertise in FRP, PP-FRP, MSFRP, and corrosion-resistant fabrication, we provide durable and customized tank solutions suitable for residential, commercial, municipal, and industrial sewage treatment systems.

Our tanks are engineered for long service life, leak-proof performance, and reliable operation in demanding wastewater environments.

TECHNOLOGIES

Sequencing Batch Reactor (SBR)

Moving Bed Biofilm Reactor (MBBR)

Membrane Bioreactor (MBR)

Activated Sludge Process (ASP)

MOC/STRUCTURE OF STP : Pre-Fabricated STP | Civil works based STP



PRESSURE SAND FILTERS (PSF)

We are a manufacturer and supplier of high-performance **Pressure Sand Filters (PSF)** designed for effective removal of suspended solids, turbidity, dirt, and impurities from water.

Our filtration systems are engineered for reliable operation, high filtration efficiency, and long service life, making them suitable for industrial, commercial, and water treatment applications.

With expertise in **FRP, MS, SS, and corrosion-resistant fabrication**, we provide customized pressure sand filter systems tailored to various process and water quality requirements.

ACTIVATED CARBON FILTERS (ACF)

We are a manufacturer and supplier of high-performance Activated Carbon Filters (ACF) designed for effective removal of chlorine, odor, color, organic impurities, and dissolved contaminants from water.

Our activated carbon filtration systems are engineered for reliable operation, high adsorption efficiency, and long service life, making them ideal for industrial, commercial, and water treatment applications.

With expertise in FRP, MS, SS, and corrosion-resistant fabrication, we provide customized filtration systems tailored to various water quality and process requirements.



CHEMICAL STORAGE TANKS

We are a manufacturer and supplier of high-quality Chemical Storage Tanks designed for safe storage and handling of acids, alkalis, solvents, and industrial chemicals. With expertise in **FRP, PP-FRP, MSFRP, HDPE**, and corrosion-resistant fabrication, we provide durable and leak-proof storage solutions for demanding industrial environments.

Our tanks are engineered for long service life, chemical resistance, structural reliability, and safe operation across various industries.

SOLAR EVAPORATORS

We are a manufacturer and supplier of advanced Solar Evaporator Systems designed for efficient evaporation of industrial wastewater using natural solar energy.

Our solar evaporators provide an economical and environmentally friendly solution for reducing wastewater volume, minimizing disposal costs, and supporting zero liquid discharge (ZLD) initiatives. With expertise in FRP, HDPE lining, corrosion-resistant systems, and industrial wastewater solutions, we deliver customized solar evaporation systems suitable for various industries.



OIL & GREASE TRAP SYSTEMS

Airwaa Technologies manufactures high-performance Oil & Grease Trap Systems designed to efficiently separate oils, grease, fats, and floating contaminants from wastewater before they enter drainage systems, Effluent Treatment Plants (ETPs), Sewage Treatment Plants (STPs), or municipal sewer networks.

Our systems are engineered to improve treatment efficiency, reduce maintenance costs, prevent pipeline blockages, and ensure compliance with environmental discharge standards. Manufactured using premium FRP, PP, MS, Stainless Steel, and MSFRP, our oil and grease traps provide long-lasting performance even in highly corrosive industrial environments. Whether for industrial processing facilities, commercial kitchens, food industries, automobile workshops, or hospitality establishments, our customized solutions deliver reliable and efficient oil-water separation.

FLASH MIXER & AGITATOR SYSTEMS

we design, manufacture, and supply high-performance Flash Mixers and Industrial Agitator Systems for efficient chemical mixing, coagulation, neutralization, homogenization, and process blending applications.

Our systems are engineered to provide rapid and uniform mixing of chemicals with liquids, ensuring improved treatment efficiency, reduced chemical consumption, and consistent process performance across a wide range of industries. With expertise in FRP, MSFRP, Stainless Steel (SS304/SS316), and Mild Steel fabrication, we manufacture customized flash mixers and agitators to meet the specific requirements of ETP, STP, WTP, chemical processing, pharmaceuticals, food processing, textile, and other industrial sectors.



OIL & GREASE TRAP SYSTEMS



FLASH MIXER & AGITATOR SYSTEMS

CLARIFIERS

We are a manufacturer and supplier of high-performance Clarifiers designed for efficient separation of suspended solids, sludge, and impurities from water and wastewater.

Our clarifier systems are widely used in Effluent Treatment Plants (ETP), Sewage Treatment Plants (STP), water treatment systems, and industrial process applications to improve water quality and treatment efficiency. With expertise in FRP, MSFRP, PP, and corrosion-resistant fabrication, we provide customized clarifier solutions suitable for demanding industrial and municipal environments.

ULTRA FILTRATION SYSTEM

An Ultrafiltration (UF) System is a membrane-based water treatment process that uses very fine semi-permeable membranes to remove suspended solids, colloids, bacteria, viruses, and other microscopic impurities from water. UF membranes typically have pore sizes in the nanometre range and allow water and smaller dissolved substances to pass through while retaining larger contaminants.





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