



One Stop Solution for Water and Waste Water



Head Office : +91-8005176888

Sales : +91-8005176999

✉ Email: saes@swapengineering.com

🌐 www.swapengineering.com



About us

WHO WE ARE ? | Swap Engineering is leading environmental engineering company associated with designing, manufacturing, consulting & exporting in the pollution control system engineering. Backed with 8 years of rich experience in pollution control engineering, The company supports the noble cause of "save environment, save life" & imbibes noble values, technology, people & process.

WHATWE DO? | SE offers sustained solution for special customer needs through a comprehensive range of services and innovative technology. We operate PAN India and having factory & head office at Lucknow & associates in major all major cities. SE supply its product to all global destinations and having strong customer base in India & abroad.

OUR MISSION & VISION | Be the leading company of India to provide best, Innovative, Sustainable, Cost effective, Environmental solutions & pollution control system in the world.

WATER RECYCLING | Swap Engineering provides solutions in to the field of wastewater engineering. It collects, conveys and treats wastewater, in order to recycle it (irrigation, watering, groundwater recharge, etc.) or release the treated water into the environment. Swap Engineering conserves water resources upstream and protects release environments and ecosystems downstream. To address the complex needs of our industrial clients, we offer specific technological solutions such as the supply sewage treatment, effluent treatment and recycling, reclamation and more.

LEADER IN A WASTEWATER SECTOR | Founded in 2021, Swap Engineering is the leading global operator of wastewater services. In a world of demographic expansion and growing urbanization, we meets our clients' needs by fostering close local relationships that are conducive to sustainable water management. SE manages water from a sustainable development perspective while listening to and providing customers with appropriate solutions.

MEET GROWING NEEDS | Population growth, rampant urban sprawl and increasing irrigation mean that in a world where an ever greater volume of water is extracted from finite resources, the sustainable management of water has become a necessity. Wholly committed to this approach and in partnership with its clients, Swap Engineering meets today's needs without ignoring future challenges. In managing water cycles, Swap Engineering never loses sight of the need to conserve and protect resources.

Adapt To All Customers | Swap Engineering performs these activities while guaranteeing continuous waste water services:

- Ø We provide a specific response to the challenges each public authority faces.
- Ø We design and build customized facilities for wastewater treatment, and we then operate these facilities, often under public-private-partnership contracts.
- Ø We ensure consumers an optimum level of service quality matched only by the quality of the water we distribute.
- Ø We meet the expectations of industrial clients by operating all or part of their water cycle, thereby enabling them to concentrate on their core business.
- Ø SWAP can provide a range of tailored technological solutions to improve the performance and competitiveness of its clients.

WASTEWATER SOLUTIONS | By treating wastewater, SE helps to protect water resources, spur the economic growth of cities and improve quality of life.

Ø **CHALLENGES** | Wastewater treatment services fall under the responsibility of public authorities. Critical to public health and environmental balance, wastewater treatment needs to be stepped up in a world in which 2.6 billion people lack access to basic sanitation.

Ø **TREATMENT** | The process deployed by Swap Engineering to preserve the quality of water involves three key steps.

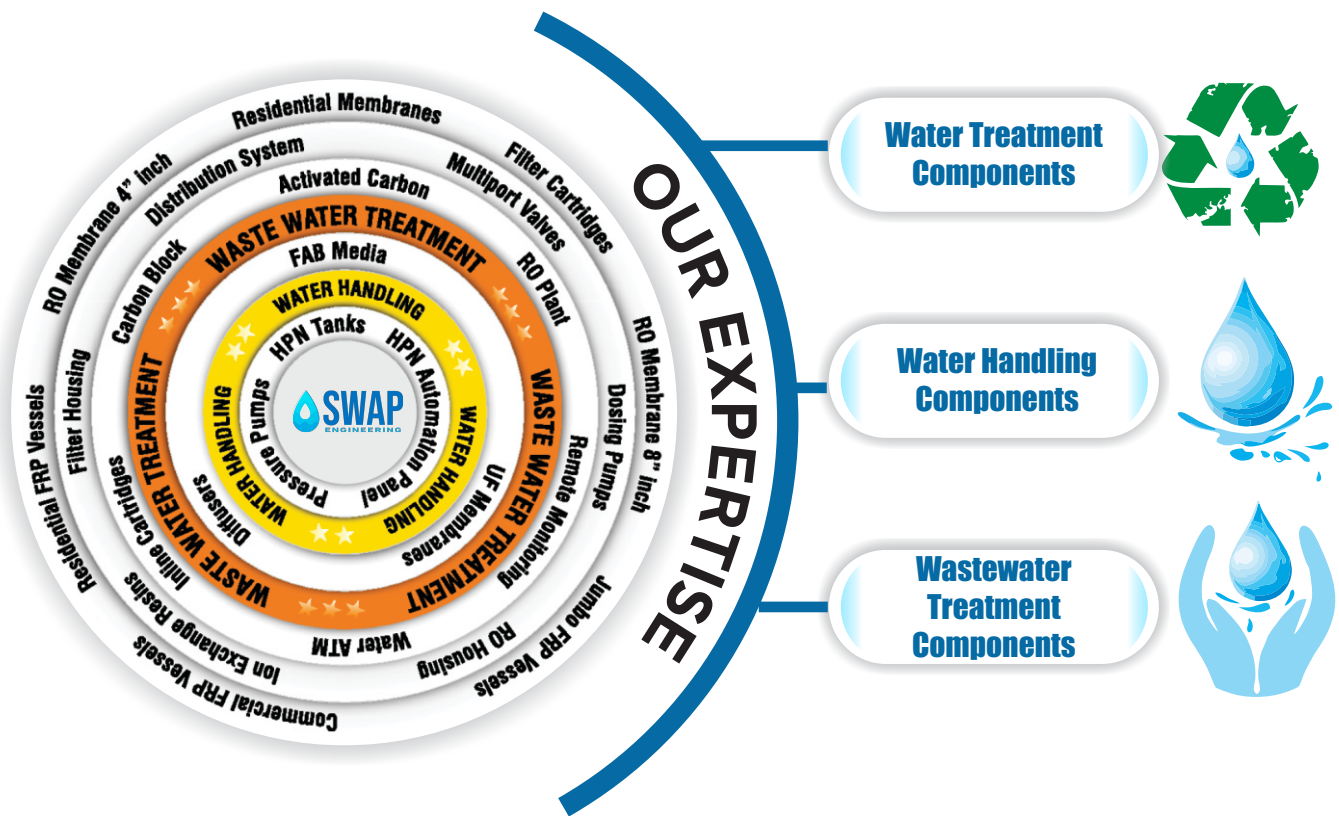
Ø **COLLECTION** | This is done through a wastewater collection system consisting of a network of pipes. This conveys the wastewater to the treatment plant. Collection systems are maintained regularly (cleaning, monitoring, etc.) to prevent blockages and corrosion.

Ø **TREATMENT** | The way that the water is dealt with at a wastewater treatment plant is based on its degree of pollution and the legislative standards governing its discharge into the environment.

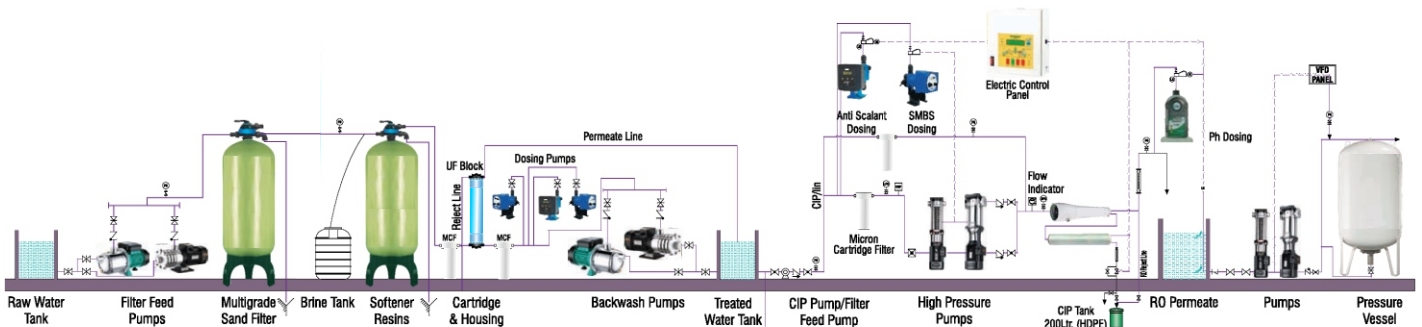
Ø **DISCHARGE** | After processing at a treatment plant, the water is returned to the natural environment in a way that does not adversely impact environmental balances.

QUALITY GUARANTEE | SWAP is a quality conscious company and hence, we pay utmost attention towards quality management system. Being a quality centric business entity, we make sure that all the Wastewater Treatment Plants and allied products offered by us are custom designed and used of premium quality sourced raw materials.

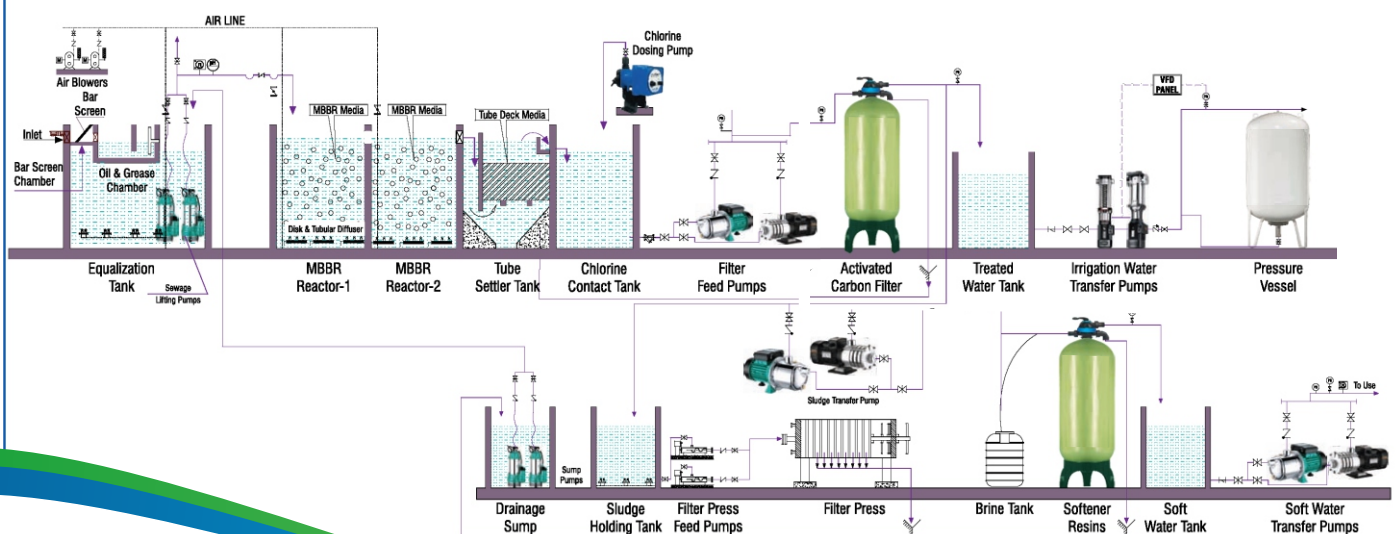
- Ø We are committed to provide latest technology and solution through Environmental engineering for effective Pollution Control.
- Ø To upgrade the system and create an infrastructure to provide an upgrade environment. pollution control system & equipment.
- Ø To create an informative system on effective pollution control by following latest technology in environmental Engineering & to provide awareness and techno Commercial solution for pollution Generators.
- Ø To do continual improvement in our system and product by following Quality Management System effectively.



WATER TREATMENT PLANT, REVERSE OSMOSIS AND ULTRA FILTRATION



SEWAGE TREATMENT PLANT



Mono Block Pumps

Application



- Industries for waste & clear water
 - handling at high pressures
 - Cooling Towers
 - Filters Feed & DM Plant.
 - Sewage pumping.
 - De-watering from basements, shopping malls, warehouses etc.
 - De-watering foundation, trenches & pits.
 - Flood water handling
- Make-KBL/CRI/ADELINO

Duty Parameter

- Maximum flow : 40 m³/hr.
- Maximum head : 30 m

High Pressure Vertical Multi Stage Centrifugal Pump

Application

- Pressures Sand & Carbon Filtration,
- RO Feeding
- Industrial Washing
- Car/Truck Washing
- Boiler Feeding
- HVAC/Pressure Boosting

Duty Parameter

- Maximum flow : 170 m³/hr.
 - Maximum head : 320 m
- Make-Shakti Pumps (I) Ltd



Darling Sewage, Slurry & Dewatering Pumps

Application



- Municipal Waste, Raw & Un-Screened Sewage
- Industrial Wastes & Effluents
Pharmaceutical, Textile & Tanning Plants Municipal Sewer pumps
- Effluent Treatment & Sewage Treatment Plants
- Ro Reject / Desalination Projects
Chemical Handling Plants & Many More....
- Private Pumping / Sewage Stations

Duty Parameter

- Maximum flow : 1000 m³/hr.
- Maximum head : 35m
- Rating: 0.75Kw to 110Kw
- Make-Darling Pumps India Pvt Ltd

FRP Pressure Vessels & Its Accessories

Application

- Pressures Sand & Carbon Filtration,
- Water Softening
Iron, Fluoride, Arsenic, Nitrate Removal from Water, DM Plant & Mix Bed

Sizes Available in FRP

- 8" Dia X 44" Height To 48" Dia X 72" Height
Configuration-In Top, Top & Bottom, Side Manhole

Sizes Available in MPV & Distribution System

- 20NB TMF/TMS | 25NB TMF/TMS | 40NB TMF/SMF |
50NB SMF/SMS | 65NB SMF/SMS
- 1.5" Straight & Elbow Strainer
- 2" Hub Lateral Distribution System



MS Pressure Vessels & Its Accessories

Application

- Pressures Sand & Carbon Filtration,
- Water Softening
- Iron, Fluoride, Arsenic,
- Nitrate Removal from Water
- DM Plant & Mix Bed

Sizes Available in MS Vessels

- 1000mm Dia X 2500mm Height To 3500mm Dia X 2500mm
- Configuration-In Top, Top & Bottom, Side Manhole

Valve Assembly & Distribution System

- Butterfly Valves Setup, Top Pipe Hub Lateral,
- Bottom Hub Lateral & Strainer Plate Collection

Filtering Media & Water Treatment Resins

Application

- Water Filtration
- VOC removal
- Iron Removal
- Fluoride & Arsenic Removal
- Water Softening
- Nitrate Removal

Sizes & Grades

- Resins-Cation, Anion, MB
- Sand-Coarse, Pebbles & Fine
- Activated Carbon-IV500 to IV1000
- MnO₂ Granules-40% to 50% &
- Green Sand
- Activated Alumina Balls



FRP Membrane Housings & Its Accessories

Application

- Reverse Osmosis Plant
- Water Treatment

Sizes Available in FRP

- 8"- 7 Element, In End Port & Side Port Configuration, Pressure Rating 300PSI to 1200PSI
- 4"- 7 Element, In End Port & Side Port Configuration, Pressure Rating 300PSI to 1200PSI
- ASME Stamped Vessels also Available
- *More Technical Details Can be available on request



UF & RO Membranes

Application

- Reverse Osmosis Plant
- Water pretreatment in Process Industry

Sizes Available in FRP

- RO Brackish Water 4040 & 8040
- UF Surface Area-5m2 to 60m2



SMT600-P80



SMT600-P40



SMT600-P50



Root Blowers & Ring Blower

Application

- Municipal Water, Waste Water & Sewage Treatment Effluent Treatment Plant
- Aquaculture
- Chemical Process Industry
- Food & Beverages

Size Available

- In Root Blower
- Air Flow rate up to 2000m³/hr
- Pressure- 0.7Kg/cm²
- In Ring Blower
- Air Flow rate up to 300m³/hr
- Pressure-0.20Kg/cm²



Fine Bubble Diffusers

Application

- Diffuser Aeration in Water, Waste Water & Sewage Treatment
- Aeration in Aquaculture & Lakes

Sizes Available in FRP

- 9" Disc & 12" Disc, MOC-EPDM/Silicone
- 90mm Dia x 1000mm Long, 63mm Dia x 1000mm Long & 63mm Dia x 610mm Long, MOC-EPDM/Silicone



MBBR Media & Tube Settler Media

Application



- Municipal Water, Waste Water & Sewage Treatment
- Effluent Treatment Plant
- Aquaculture & Lakes

Sizes Available

- MBBR 1522, 15mm Height & 22mm Dia, MOC-PP & Virgin, Surface Area- 400m²/m³
- TSM750, 6" Width, 750MM Height, Tounge & Grooves
- *More Technical Details Can be available on request

Dosing Pumps & Systems

Application

- Municipal Water, Waste Water & Sewage Treatment
- Effluent Treatment Plant
- Boiler & Cooling Tower Water Treatment
- Chemical Process Industry
- Food & Beverages



Size Available

- up 200LPH with Agitators
- Make-Miltron Roy/Verito/Edose

Reliable & Easy to Operate Skid Mounting
Portable Units with quality components.

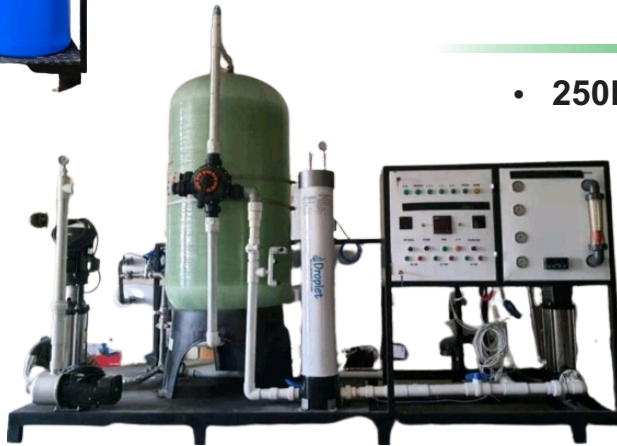
Customized UF & RO Plant



We have In house Fabrication facility &
Team to build small plants as per
Your requirements.

Size Available

- 250LPH TO 50,000LPH Capacity



Swimming Pool Components



OUR BRANDS



One Stop Solution for Water and Waste Water



+91-8005176999

Sales Office:

Shop No. 13 GSR center Point
Vrindavan Yojna, 226029
Lucknow - India



+91-8005176999/+91-8005176888
Email: sales@swapengineering.com