

**_BECAUSE WE CARE FOR
YOU...!**



Director_AGTS

About Us

AGTS committed to making a positive impact on the environment by providing innovative and sustainable solutions in water treatment, waste water treatment, energy management, water audits, industrial fabrication, and water treatment chemicals. With our slogan “Reduce Recycle Reuse,” we strive to promote responsible and eco-friendly practices to safeguard our precious natural resources for future generations.

Our Mission

To revolutionize the water and energy sectors by offering comprehensive and customized solutions that meet the unique needs of our clients. We prioritize sustainability, efficiency, and cost-effectiveness in all our endeavors, ensuring our clients can maximize their operational performance while minimizing their environmental footprint.



WHY CHOOSE AGTS

- YEARS OF EXPERIENCE IN THE WATER AND ENERGY INDUSTRY
- SUSTAINABILITY FOCUS
- CUTTING-EDGE TECHNOLOGY



WE ARE IN SERVICE SINCE 2018

MAHARASHTRA POLLUTION CONTROL BOARD LIACENCE



Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Consent to Establish: This consent is to be obtained prior to establishing any industry or process.

Consent to Operate: Once the industry or process plant is established along the required pollution control systems, the entrepreneur is required to obtain consent to operate the unit. This consent is given for a particular period, which needs to be renewed regularly.

- > Traders
- > Manufacturing Industries
- > It Parks
- > Housing Societies
- > Hospitals
- > Hotels

OZONE SYSTEM



The Ozone system reduces organic matter, COD BOD load, disinfect odour & colour also.

The working principle of the ozone plant is quite straightforward. When activated, it generates ozone by breaking down oxygen molecules using either ultraviolet light or corona discharge technology. The released ozone then reacts with pollutants, effectively oxidizing and destroying them. It is crucial to note that ozone itself is a powerful oxidizing agent, so it must be utilized with caution and in controlled amounts to avoid any harmful effects on human health.

ULTRAFILTRATION SYSTEM



Low Maintenance, High Rewards: With its hardy nature and low maintenance requirements, the UF Plant is an ideal choice for both seasoned plant enthusiasts and beginners alike

Ultrafiltration is low pressure membrane process use to saperate bacteria, viruses and high molecular weight compounds, colloidal and particulate matter from feed steam.

It has gain popularity because it produces stable water quality no matter source of water, has a compact physical footprint, removes 9-100 % of pathogens an does not require chemical except cleaning of membrane.

WATER TREATMENT PLANT FOR SAFE DRINKING WATER



With Advanced Oxidation System

Treatment for drinking water production involves the removal of contaminants and/or inactivation of any potentially harmful microbes from raw water to produce water that is pure enough for human consumption without any short term or long term risk of any adverse health effect. Water treatment plants use a combination of **coagulation**, **sedimentation**, **filtration** and **disinfection** to provide clean, safe drinking water to the public.

1. Process involves adding iron or aluminum salts, such as aluminum sulphate, ferric sulphate, ferric chloride or polymers, to the water. These chemicals are called coagulants.
2. The filtration system consists of filters with varying sizes of pores, and is often made up of sand, gravel and charcoal.
3. Modern technology has allowed Ultrafiltration, Nanofiltration and Reverse Osmosis.

DM PLANT



Introducing our cutting-edge and highly efficient DM Plant, a reliable solution for water treatment that guarantees purity and quality. Designed with the latest technology and stringent quality standards, our DM Plant is your ultimate choice to ensure the removal of impurities and contaminants from water, making it safe for various industrial applications and human consumption.

Our DM Plant complies with all relevant industry standards and undergoes rigorous quality testing before reaching your doorstep. We also provide comprehensive customer support and maintenance services to ensure the continued flawless operation of the system.

Our state-of-the-art Reverse Osmosis (RO) Plant

RO PLANT



Advanced Filtration Technology: Our RO Plant employs advanced reverse osmosis technology, which effectively removes impurities such as bacteria, viruses, dissolved solids, heavy metals, and harmful chemicals, ensuring you and your loved ones enjoy the highest standard of purified water.

High-Performance Membrane: Equipped with a high-quality RO membrane, this plant guarantees an efficient filtration process, eliminating up to 99% of contaminants. This results in refreshing water that surpasses regulatory standards for drinking water quality.

Energy-Efficient Operation: We understand the importance of environmental sustainability. Our RO Plant is engineered to be energy-efficient, consuming minimal power while delivering maximum purification. Rest assured that your commitment to pure water goes hand in hand with reducing your carbon footprint.

Compact and Space-Saving Design: Space constraints? No problem. Our RO Plant boasts a sleek and compact design, making it the perfect fit for both residential and commercial settings. Say hello to premium water purification without compromising on valuable space.

Smart Monitoring System: Embracing the digital age, our RO Plant features a smart monitoring system that keeps you informed about filter life, water quality, and system maintenance requirements. Stay in control with real-time alerts and status updates through the user-friendly interface.

User-Friendly Operation: Simplicity is key. Operating our RO Plant is a breeze, thanks to its user-friendly controls and easy-to-follow instructions. Even the installation process is hassle-free, ensuring you have access to pure water without any delays.

Low Maintenance: Say goodbye to constant maintenance headaches. Our RO Plant is engineered to require minimal upkeep, saving you time and money in the long run. Regular maintenance routines are streamlined for your convenience.

Long-lasting Durability: Crafted from premium materials, our RO Plant is built to withstand the test of time. Rest assured that your investment in our product will yield years of reliable performance and purified water that you can trust.

SOFTNER



The water softener plant consists of several key components, including resin tanks, brine tanks, control valves, and regeneration systems. The resin tanks hold the ion exchange resin and are responsible for the actual water softening process. The brine tank stores a concentrated solution of salt or potassium that is used for the regeneration of the resin. Control valves regulate the flow of water and brine, ensuring efficient operation of the plant. Regeneration systems help rejuvenate the resin bed by flushing it with the brine solution to remove the accumulated mineral deposits.

EFFLUENT TREATMENT PLANT



Moving Bed Biofilm Reactor (MBBR) Technology: Our Effluent Treatment Plant incorporates MBBR technology, an innovative biological treatment process that uses suspended biofilm carriers to enhance the microbial activity

Sequential Batch Reactor (SBR) Technology: With the Sequential Batch Reactor (SBR) technology integrated into our Effluent Treatment Plant, you benefit from a batch-operated system that provides excellent treatment efficiency.

Membrane Bioreactor (MBR) Technology: Our Effluent Treatment Plant features advanced Membrane Bioreactor (MBR) technology, which combines the biological treatment process with membrane filtration.

Fixed Activated Sludge (FAB) Technology: The Effluent Treatment Plant also employs the Fixed Activated Sludge (FAB) technology, which facilitates the growth of microorganisms on a specially designed fixed media.

SEWAGE TREATMENT PLANT

TECHNIQUES WE OFFER:

- **ACTIVATED SLUDGE PROCESS.**
- **MOVING BIO BED REACTOR (MBBR)**
- **MEMBRANE BIO REACTOR (MBR)**
- **ELECTRO COAGULATION SYSTEM.**
- **SEQUENTIAL BIO REACTOR (SBR)**
- **ROTATING BIO REACTOR (RBC)**



- Advanced multi-stage treatment process for comprehensive wastewater purification.
- High-quality effluent suitable for discharge or safe reuse.
- Compact and modular design, adaptable to varying capacity requirements.
- Energy-efficient operation, minimizing environmental impact.
- User-friendly interface with remote monitoring and control capabilities.
- Compliance with stringent environmental regulations and standards.
- Robust construction for long-term reliability and low maintenance.
- Customizable solutions to meet specific project needs.

DISSOLVED AIR FLOTATION UNIT



Dissolved air flotation (DAF) is a water treatment process that clarifies wastewaters (or other waters) by the removal of suspended matter such as oil or solids. The removal is achieved by dissolving air in the water or wastewater under pressure and then releasing the air at atmospheric pressure in a flotation tank basin.

The released air forms tiny bubbles which adhere to the suspended matter causing the suspended matter to float to the surface of the water where it may then be removed by a skimming device.

Types of Industries where DAF used:

Dairy Industry, Chocolate Industry, Paper & Pulp Industry, Oil & refineries, Textile Industries

PRIMARY & SECONDARY CLARIFIER



Whenever the concentration of suspended solids is high in the wastewater, clarifiers are a necessary component to remove it.

principle of gravity settling is used by clarifiers in wastewater treatment to remove suspended solids or solid particulates from the liquid. The concentrated impurities are known as sludge whereas those that float to the surface of the liquid are called scum. The large settling tanks with in-built mechanical means like scraper blades act continuously to remove solids towards the pipe or place where sludge and scum collection takes place. Additionally, certain coagulants and poly-electrolyte are used to enhance the performance of the natural settling of solids by turning them into floc.

WET FUME SCRUBBER



- The processing of incendiary gases can be handled safely
- High-temperature and high-humidity gas streams can be handled without condensation issues or temperature limits
- Collected particulate matter cannot escape once collected
- It's possible to effectively neutralize some of the more corrosive gases
- Solid and gas particulate matter can be absorbed with one system
- You don't need ample amounts of space for the installation of a wet scrubber

Multi Effect Evaporator

MEE



Multi-Effect Evaporator: The MEE employs a multi-effect configuration, utilizing the latent heat from one evaporator effect to power the subsequent effect. This cascading effect significantly reduces energy consumption, making it an energy-efficient choice for your operations.

Superior Evaporation Rates: Our MEE boasts exceptional evaporation rates, ensuring faster processing times while maintaining product integrity. Its advanced heat transfer technology maximizes the evaporation surface area, leading to higher productivity and reduced production costs.

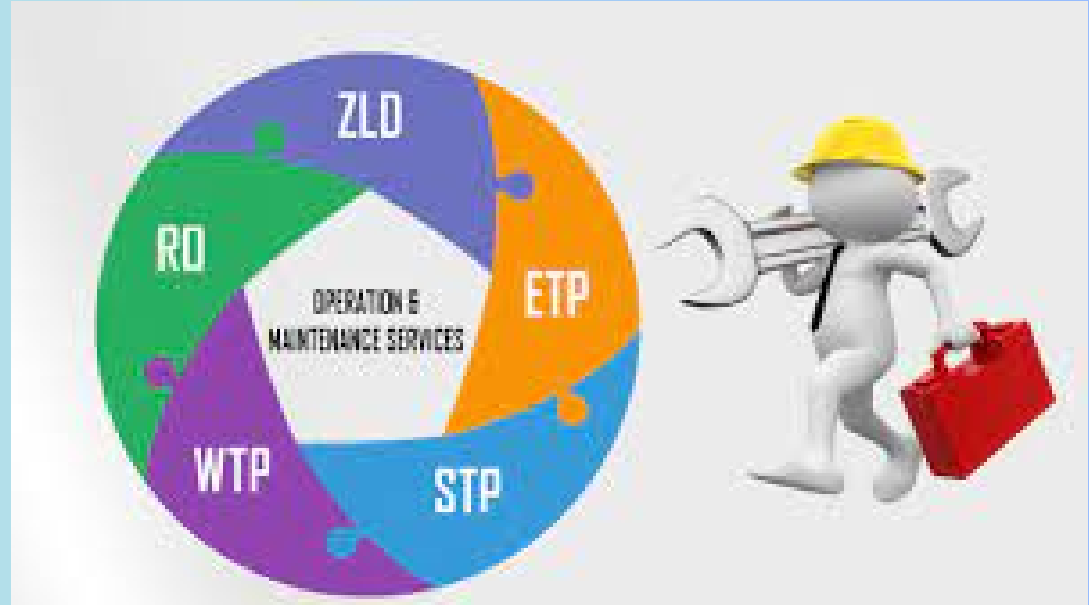
Robust Construction: Crafted from high-quality materials, the MEE is built to withstand the rigors of industrial usage. Its sturdy construction guarantees durability and longevity, minimizing downtime and maintenance costs.

Flexible Customization: We understand that every industry has unique requirements. Therefore, our Multi Effect Evaporator can be tailored to suit specific applications, accommodating diverse product characteristics and process parameters.

Automated Operation: Equipped with a user-friendly interface and intuitive controls, the MEE allows for seamless operation. Automated processes ensure precise and consistent results, reducing the risk of human error.

Comprehensive & Non-Comprehensive AMC of WTP, STP, ETP, MEE, RO, and UF

AMC



Water and wastewater treatment facilities, including WTP, STP, ETP, MEE, RO, and UF, play a vital role in ensuring clean water for consumption and protecting the environment. Proper operation and maintenance are essential for their efficient functioning. We at Aquagreen Tech Solutions Provide all types of operation and maintenance services for all above.

Water Treatment Plants (WTP):

Pre-treatment, filtration, and disinfection ensure safe drinking water.
Regular equipment inspection and cleaning maintain efficiency.

Sewage Treatment Plants (STP):

Primary and biological treatment remove pollutants.
Proper maintenance prevents water pollution.

Effluent Treatment Plants (ETP):

Chemical and biological treatment neutralize pollutants.
Regular checks ensure compliance with environmental regulations.

Multiple Effect Evaporators (MEE):

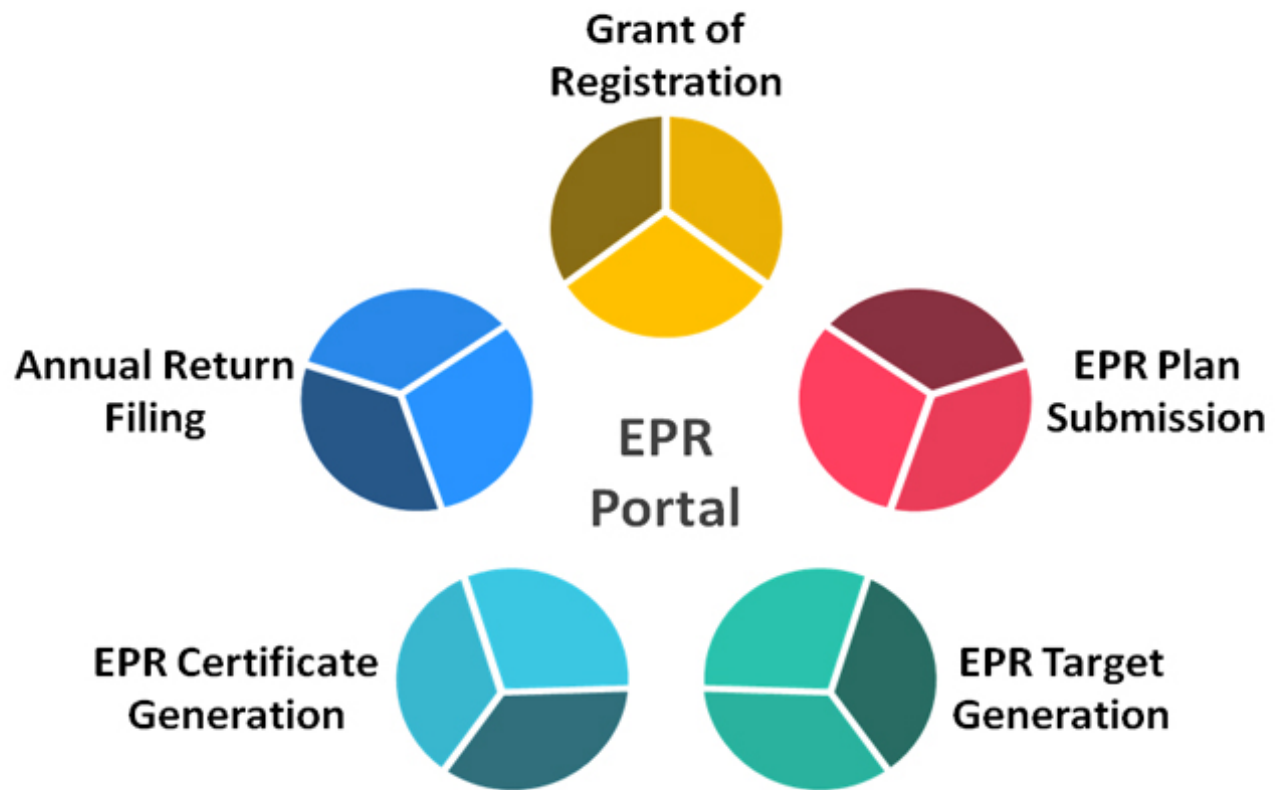
Concentrate wastewater and recover valuable resources.
Scale management and safety measures are crucial.

Reverse Osmosis (RO) and Ultrafiltration (UF) Services:

Membrane cleaning and pressure monitoring maintain efficiency.
Sanitization controls biofouling and microbial growth.

Extended Producer Responsibility

EPR REGISTRATION



- > Plastic packaging waste
- > E-Waste
- > Battery Waste

Central Ground Water Authority

**NOC FROM
CGWA**



**Noc from central ground Water Authority for
Ground Water Extraction for:**

- **Industries having existing/proposed Borewell or dugwell.**
- **Authorized Water Suppliers/tankers**

Water & Waste Water Treatment Chemicals

CHEMICALS



We Deal in :

Lime alum replacement chemicals.

OWS system Chemicals

De-colorizer chemicals for all dyes company and textiles

Cooling tower water treatment chemicals

Boiler water treatment chemicals

Closed loop treatment chemicals like chilled water, brine & Hot water systems

DG set coolant

Antiscalents for RO and thermal desalination plants

Water and waste Water treatment chemicals

Bio-cultures for ETP and STP.

Utility water management and Membrane chemicals

Special Chemicals for ETP & STP to replace lime alum

Odour removals

De-watering & Settling Flocculent

ENVIRONMENTAL MONITORING

Environmental Monitoring

- > Ambient Air Monitoring
- > Ambient noise Monitoring
- > Ventilation survey
- > Stack Emission Analysis
- > DG Noise Monitoring
- > ETP, STP Sample analysis



WE SUCCESSFULLY ACHIEVED...!



250 LPH RO System at Merck Life Sciences, Patalganga, MH



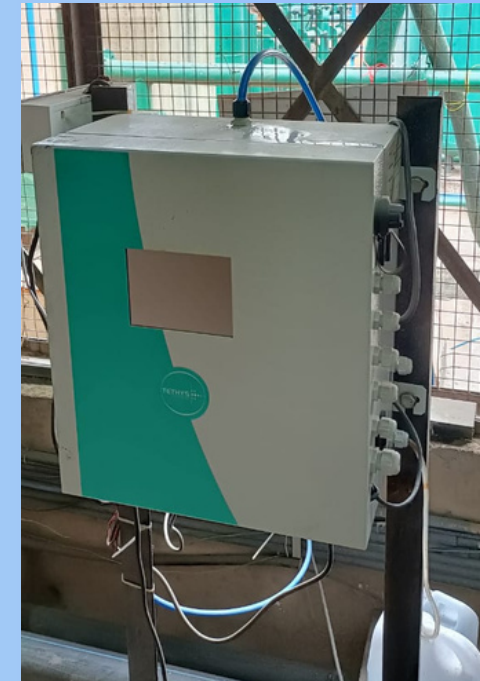
20 KLD STP: MBBR Technology at Coal INDIA



**Batch Type ETP
at DBC Uran**



**Turnkey project: 100 KLD ETP & STP- MBBR Technology
Magna Automotive India Pvt. Ltd**



**Online Monitoring System for STP
at Kotak Mahindra Bank**

WE SUCCESSFULLY ACHIEVED...!



10 KLD Multi Effect Evaporator

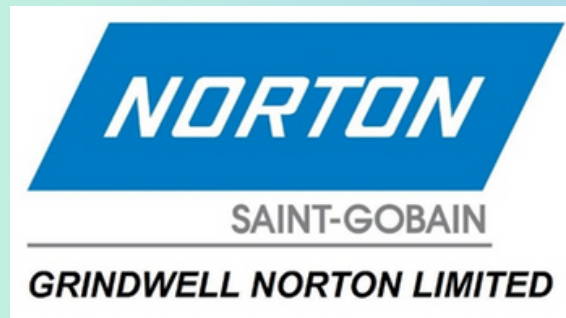


Secondary Clarifier provided at Bajaj Auto Ltd. Akurdi



1 KLD (ZLD) Zero Liquid Discharge Plant at Bharat Forge Ltd, Satara, MH

OUR VALUABLE CLIENTS





Alkyl Amines Chemicals Limited

MERCK



SANDHAR
Sandhar Technologies Limited



Bilcare
Research



Kider India
Pvt. Ltd.

Towards Sustainable Future



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Reduce • Recycle • Reuse
ISO 9001:2015, ISO 45001:2018