# Romania®
## Water *Let's save Blue & Green*

**Quality Service and**
**Punctuality its our MOTIVE**

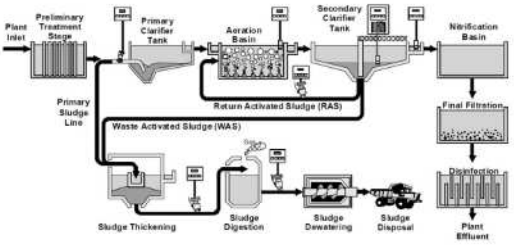
Romania®
Water Let's save Blue & Green

# SEWAGE TREATMENT PLANT

Sewage Treatment is the need of the day as it is the most simple & convenient way of treatment with recycling and reuse of precious water. The sewage must be treated and disposed of to avoid water and soil pollution matter. Due to large quantity of sewage produced, the age-old system of septic tanks and soak pits is not effective. The overflow from these facilities form lots of dirty water that invites mosquito breeding. We "**RWPE**" provide complete solution along with Design, Drawing, Engineering Supervision, Construction Fabrication, Supply, Erection, Testing & Commissioning including Mechanical, Piping, Electrical & Instrumentation work of the STP plants on Turnkey basis.

- We also offer the Packaged/compact STP/ ETP.
- Technologies offered for STP's are FAB, MBBR, SBR, Constructed Wetland, MBR etc. or others as per client requirement/ site conditions.
- Design of recycling and reuse concepts by providing tertiary polishing treatment to treated sewage water for plant reuse applications of gardening/ flushing/ reuse in cooling tower makeup/ floor washing etc.

APPLICATION AREAS: Used in community, real estate's, industries, hospitals & township projects.



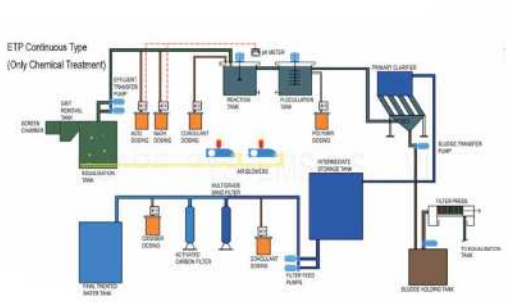

Romania® Water Let's save Blue & Green

# EFFLUENT TREATMENT PLANT

Keeping in view of the fresh water demand for drinking as well as for industries, the scarcity of fresh water is the most burning problem for today's life. We "**RWPE**" provide complete solution of work including Design, Drawing, Engineering Supervision, Renovation, Supply, Erection, Testing & Commissioning including Mechanical, Electrical, Plumbing and Instrumentation items of work of ETP's/ CETP's on Turnkey Basis.

- Also doing Performance Evaluation Studies for present ETP/ CETP Set Ups.
- Design and Engineering for New ETP/ CETP for various industries/ hospitals.
- Feasibility Studies for New ETP/ WTP/ CETP Set ups and Modifications/ Renovation/ Expansion of existing ETP's/ CETP's.
- Designs of Zero Liquid Discharge Systems.

APPLICATION AREAS: Tanneries/ Leather industry, Slaughter House, Textile industry, Paint industry, Distillery industry, electroplating industry, Dairy industry, Sugar industry, Paper & Pulp industry, Oil refineries, Glass industry, Pharmaceutical industry, Food Processing industry, Cement industry, Chlor Alkali industry, Fertilizer industry.




# MULTI GRADE FILTER (MGF) & ACTIVATED CARBON FILTER (ACF)

Romania® Water Let's save Blue & Green

**a) MULTI GRADE FILTER:**

Multi Grade Filter is used for removal of suspended solids & turbidity from water & wastewater. We, **RWPE** offer series of filters at a low cost, reliable and highly efficient way to filter your water.

SALIENT FEATURES OF MGF –

- Simple design maximizes reliability and efficiency
- Multi layers of filtration media
- Standard and effective quartz sand media.
- Low Pressure drops across the vessel
- Manual, Semi-Automatic and Automatic features are provided
- Pre-assembled construction minimizes start-up time and installation costs
- Structural steel legs provide rigid support of vessel for safety
- Air scouring available for high flow pressure vessel.
- Internal distribution and collection system.

**b) ACTIVATED CARBON FILTER (ACF):**

Activated carbon is one of the most effective media for removing a wide range of contaminants from industrial and municipal waste waters, landfill leachate and contaminated groundwater. As the world's most powerful adsorbent, it can cope with a wide range of contaminants. Different contaminants may be present in the same discharge and carbon may be used to treat the total flow, or it may be better utilized to remove specific contaminants as part of a multistage approach.

## Reverse osmosis (RO) PLANT

Reverse osmosis is the process of forcing a solvent from a region of high solute concentration through a membrane to a region of low solute concentration by applying a pressure in excess of the osmotic pressure. This is the reverse of the normal osmosis process, which is the natural movement of solvent from an area of low solute concentration, through a membrane, to an area of high solute concentration when no external pressure is applied. The membrane here is semipermeable, meaning it allows the passage of solvent but not of solute.

To illustrate, imagine a semi permeable membrane with fresh water on one side and a concentrated aqueous solution on the other side. If normal osmosis takes place, the fresh water will cross the membrane to dilute the concentrated solution. In reverse osmosis, pressure is exerted on the side with the concentrated solution to force the water molecules across the membrane to the fresh water side.

## CONTACT US


**Registered office :**
Plot No. GH/01, N/31904 Erose Sam Pooram Sector-2,
Near Roja Jalalpur Chowk, Greater Noida West - 201306
Mob.: +91-8383076564

**Branch office :**
Flat No 1803 Platina F Casa Bell Gold,
Palaba City, Maharastra, Dombivali 421204
Mob.: +91-7982188517

**Branch office:**
D127 PTPS New Market Road No 3 Ranchi,
Hazaribagh Patratu 829119
Mob.: +91-7428393469

**Branch office :**
H.N. 240, Adhiya Mohalla, Vill. & Post Gotha, District Mau, Dohrighat 275303
Mob.: +91-8130181009

info@romaniawater.in www.romaniawater.in


Romania® Water Let's save Blue & Green

ISO CERTIFIED

MSME MICRO, SMALL & MEDIUM ENTERPRISES