



# KIRAN WATER SOLUTIONS

[www.kiranequipments.com](http://www.kiranequipments.com)

**Water - a commodity  
that can never be compromised  
Nor the need  
reduced.**

**OFFERING YOU WATER  
PURIFYING SOLUTIONS**

**both INDUSTRIAL & RESIDENTIAL!**

**Water at it's purest!**



# KIRAN WATER SOLUTIONS

**Kiran Water Solutions** provides innovative and reliable sewage and wastewater treatment. As a recognised leader in the design, manufacture and supply of both standardised and bespoke environmental solutions, **KWS** is dedicated to providing the highest quality products and services for



**DOMESTIC**  
Home-owners  
Self-Builders



**COMMERCIAL**  
Developers  
Merchants



**INDUSTRIAL**  
Industrial Effluent  
Treatment Solutions




**UTILITIES**  
Water Utilities  
Contractors  
Engineers

## **One Roof Solution in Instrumentation + Mechanical + Electrical Products Mobile Team.**

Our innovative, intuitive solutions include full design, engineering and specification support, comprehensive customer service and wide maintenance back-up. We have been dedicated to delivering superior solutions that are fully supported by our qualified engineers and backed up by our quality guarantees. The result is dependable and innovative wastewater, and grease management systems that consistently exceed our customers' expectations.

Ever vigilant as to current needs, our focus is to deliver superior solutions that provide fully compliant, fully supported, future-proof results for our customers, time after time.

A large, dynamic graphic of a water splash in shades of blue, occupying the lower half of the page. The water is captured in mid-air, creating a sense of movement and freshness.

**Products you can rely on...**



## DEMINERALIZATION PLANT (DM)

DM is the process of Removing Mineral Salts from water by using the ION Exchange process. It provides water which is completely free from Dissolved minerals.

**Demineralization** is the process of removing mineral salts from water by using the Ion exchange process.

**DM** is the process by which total dissolved solids (TDS) present in water are removed effectively.

A properly packaged unit incorporates the principle of ION exchange, degasification and polishing to produce mineral from water.

The output Water we obtain from **DM** Will be Free from the following

- \* Scale Forming Compounds.
- \* Biological Compounds.
- \* Corrosion Creating Compounds.

**APPLICATION**

Mainly for **Power Plants** for Production of **Steam**  
 Automobile industries.  
 Petro-Chemical Industries.  
 Pharmaceuticals



## REVERSE OSMOSIS PLANT (RO)

Homogenous Liquids of different concentrations are separated by Semi-permeable membrane. The Process involves making high concentration to low concentration by applying pressure in excess.

Reverse Osmosis flow takes place from higher Concentration to Lower Concentration, Which retain all the molecules on the Semi-permeable and Passes only the Water Molecules.

All the Process Involves Applying higher Pressure more than the Osmotic Pressure.

- \* Capable of Removing Bacteria and Other Dissolved Salts.
- \* Removal of Particles which has Size  $> 10^3$
- \* Output Water TDS of RO will be  $< 50$ ppm as per Drinking Purpose Norms Prescribed by **WHO**.

**APPLICATION**

Industrial Plants  
 Hospitals  
 Commercial Complex  
 Residential Plots and etc



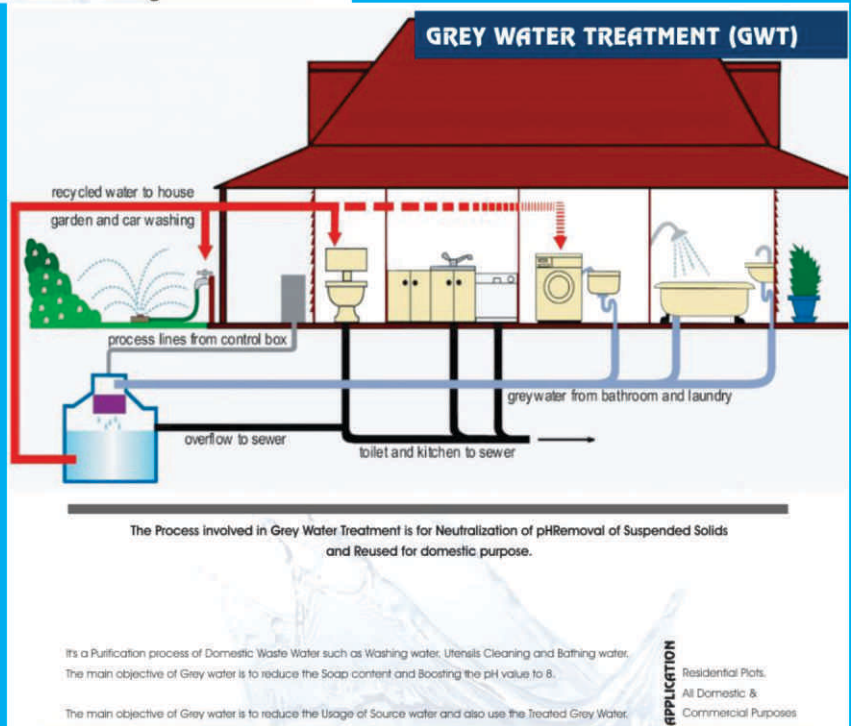
**SEWAGE TREATMENT PLANT (STP)**

Its working on the principle of Aerobic Treatment with the help of aerobic bacteria, which is most conventional and proven method throughout the world.

Its working on the principle of Activated Sludge Process and Aerobic Treatment with the help of aerobic bacteria, which is most conventional and proven method throughout the world. The Mixed Bed Bio Reactor (MBBR) process it works on the principle of attached growth system and uses rotating biomedia to retain an active biomass to reduce the influent BOD Levels.

For Treating the Sewage Water and Reducing the Pollutant level in the incoming sewage and Discharging into the Water Bodies.  
Treated STP Water can be reused for Gardening and also for flushing.  
The Discharged Outlet from STP has to be Compliance with PCB Standards.

**APPLICATION**  
Industrial Plants  
Hospitals  
Commercial Complex  
Residential Plots and etc.



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