


# SEVEN STAR WATER SOLUTIONS

## WASTE WATER TREATMENT:

Waste Water Treatment is a process for protection of water body against contamination from industrial and household waste, through common practices like Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP). If left untreated, this will affect the water we obtain from municipal, as well as endanger aquatic life.

We Design, Supply, Erect and Commission **Sewage Treatment Plants (STP)** and **Effluent Treatment Plant (ETP)** for treating industrial effluents and sewage generated by Industrial Area, Housing Societies, Hotels, Hostels, Hospitals, IT Parks and Commercial complexes.



**Seven Star** Water Solutions is a Total Water Management Company with engineering capabilities to undertake and execute turnkey solutions for wastewater management and Rainwater Harvesting.

Our commitment to the environment, keeps it in the forefront of product innovations, purification and recycling technologies.

We have required expertise and capabilities for carrying out basic & detailed engineering, supply, construct, erection, testing, and commissioning including operation & maintenance.

## WHY WASTEWATER TREATMENT ?

- To protect our streams/ rivers for our drinking water supply, against pathogenic (disease causing) bacteria and chemicals. Non treatment can lead to cause extensive damage to the environment and human health.
- To protect our marine life as decaying organic matter and debris can use up the dissolved oxygen in a lake, making it difficult for fishes and other aquatic lifeforms to survive.
- To protect our underground aquifer from polluting.



## TECHNOLOGY OFFERED:

- Moving Bed Biofilm Reactor Process (MBBR)
- Sequencing Batch Reactor (SBR)
- Anaerobic Sludge Blanket Process



### Design Basis

PARAMETERS	UNIT	TREATED SEWAGE ( FOR DISPOSAL )	TREATED SEWAGE ( FOR REUSE )
pH	-	6.5 7.5	6.5 7.5
BOD less than (<)	ppm	30	30
COD less than (<)	ppm	250	100
O & G less than (<)	ppm	10	10
TSS less than (<)	ppm	100	10

### Sewage Generation Pattern

Domestic	House, Apartment, Colony, Society etc.	135 ltrs / person/ day
Commercial	Schools, Institutes, Malls, Office, IT Park etc.	15-70 ltrs / person/ day
Hospitality	Restaurant, Hotel etc.	35-100 ltrs / Seat / room / day
Hospitals	Hospitals	200-400 ltrs / Bed / day 35-40 ltrs / Out Patient / day

### Flexibility of The Product

CAPACITY	1KLD and above.
ADD- ON POSSIBILITIES	UF & RO to achieve Zero Liquid Discharge.
MOC of Tanks / Reactors	CIVIL, MSEP, MS-FRP, SS
INSTALLATION OPTIONS	Over Ground Under Ground, Basement and Containerized.
TREATED WATER	Drainable / Reusable as per PCB norms.



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