



## Package Sewage Treatment Plant



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### INTRODUCTION ABOUT COMPANY

JRMS Engineering Works established a decade ago is serving customers for all kinds of requirement in Water & Wastewater Treatment solutions with customized and innovative solutions.

An ISO 9001:2008 certified organization having its own manufacturing facility and registered office in Kolkata.

Our Strength is to Understand Our Customers Problem in depth and by that Understanding Provide Complete Solutions with World Class Products and Best possible Application Support.

We understand that each facility's process and treatment requirements are different. Our vast industry knowledge and experience allows us to tailor the best treatment solution based on each customer's unique needs.

Our Network has set - ups at various locations throughout India and Indian subcontinent for all range of products.



We have been a leading supplier of packaged water, sewage and effluent treatment solutions in India using state-of-art technologies and the most advanced solutions as well as most reliable solutions in the industry.

Our robust processes are capable of delivering Koshasra quality of water in a cost effective way.

Our end-to-end solutions are made using 100% fibre reinforced plastic (FRP) tanks, offering corrosion free, long lasting (15-20 years) customized treatment units. Modular and compact, our plants are designed to be upgradable to latest technologies, reduce maintenance costs and occupy minimum space.

### JRMS Packaged Sewage Treatment Plant

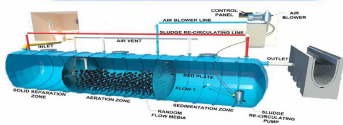
#### Typical Application :

- \* National, Provincial and State Parks
- \* Residential
- \* Housing Developments
- \* Hotel
- \* Hospital
- \* Institutions
- \* Commercial Complex
- \* Factories

#### Advantages:

- \* Eco Friendly
- \* Rust Proof
- \* Light Weight
- \* Durable
- \* Leak Proof
- \* Easy To Install
- \* FRP Filament Wound Process
- \* Excellent Performance
- \* Massive Reduction BOD/COD

### Packaged Sewage Treatment Plant Process Flow



### Packaged Sewage Treatment Plant Process

#### Operation Process

##### \* 1. Solid Separation Zone :

First stage transforms the influent solids to settled solids while allowing scum to float on the surface it is a primary sedimentation zone in which settled sludge is stabilized by anaerobic digestion. the treatment efficiency of the chamber is in the range of 30% BOD removal.

##### \* 2. Aeration Zone:

Second stage is the aerobic zone along with fab media inside the tank which in turn increases the surface area and retain micro organism long enough to digest the organic substance. clear water overflows to the next treatment chamber. Air is provided through blowers and higher contacting time with the slime on the fab media facilitates efficient digestion. bod removal is around 60%

##### \* 3. Final sedimentation Zone :

Final stage involves the sedimentation where organic wastes are settled in the sedimentation zone. the settled waste in the bottom of the tank is pumped back to the solidseparation zone as a return sludge having active biomass MLSS to increase the efficiency of the system and to ensure that the effluent quality meets the stipulated PCB standards.

### Packaged Sewage Treatment Plant installation



### Our Clients

#### Residential Project

- \* Orbit tower
- \* Ambuja Realty
- \* Vedic Realty
- \* Multycon Construction Pvt.Ltd.

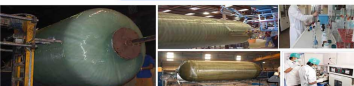
#### Industrial

- \* Iafarge
- \* Ultratech
- \* Raymond
- \* Godrej Agrovet
- \* Lux Industries Limited

#### Govt. / Institution

- \* P.W. D.
- \* P.H.E.\*
- \* F.D.D.I.

### Manufacturing & testing



### Exhibition



## JRMS ENGINEERING WORKS

West Water Treatment Plant Manufacturer

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