

# INDUS **ECOWATER**

Innovative & Affordable Sewage Solutions

**GUARANTEED  
LOWEST  
PRICES**

**ECO** - logical  
- nomical  
- water

Front View



Rear View



Side Channel Blowers



Tertiary Treatment



**Prefabricated** **Ready To Use**  
**Sewage Treatment Plant**

# Prefabricated Sewage Treatment Plant

## For Above Ground Installation

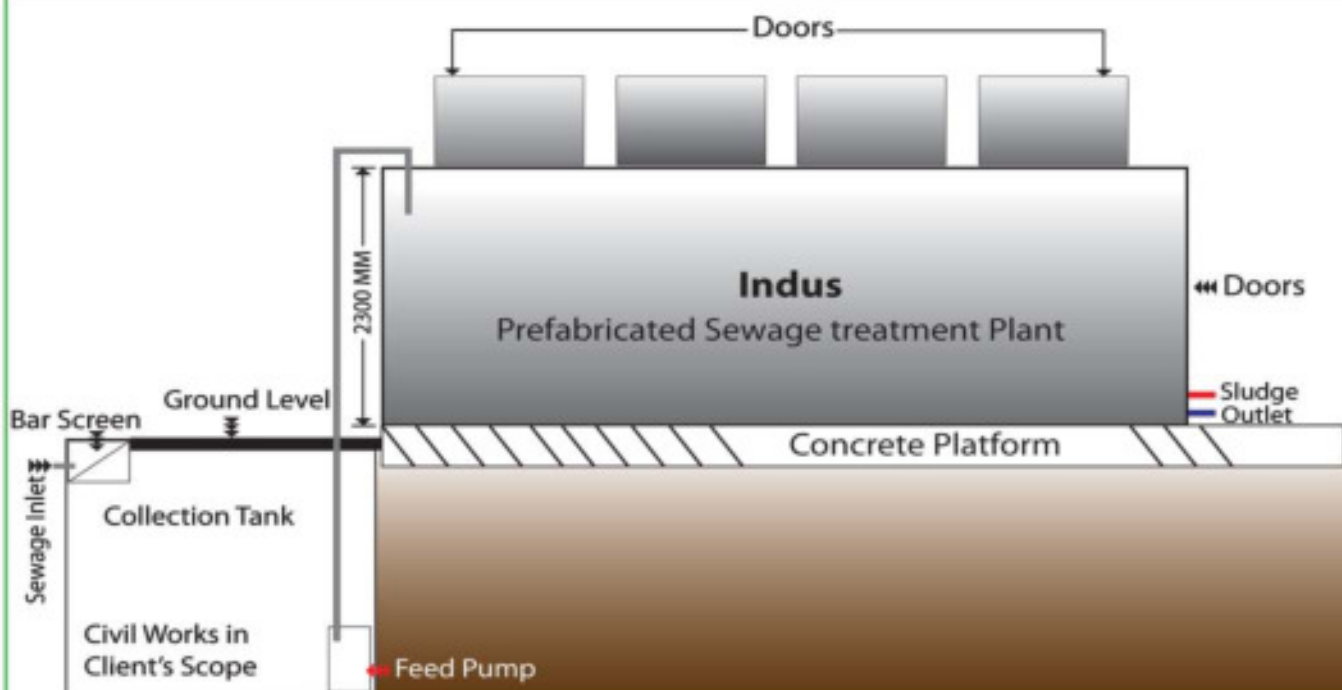
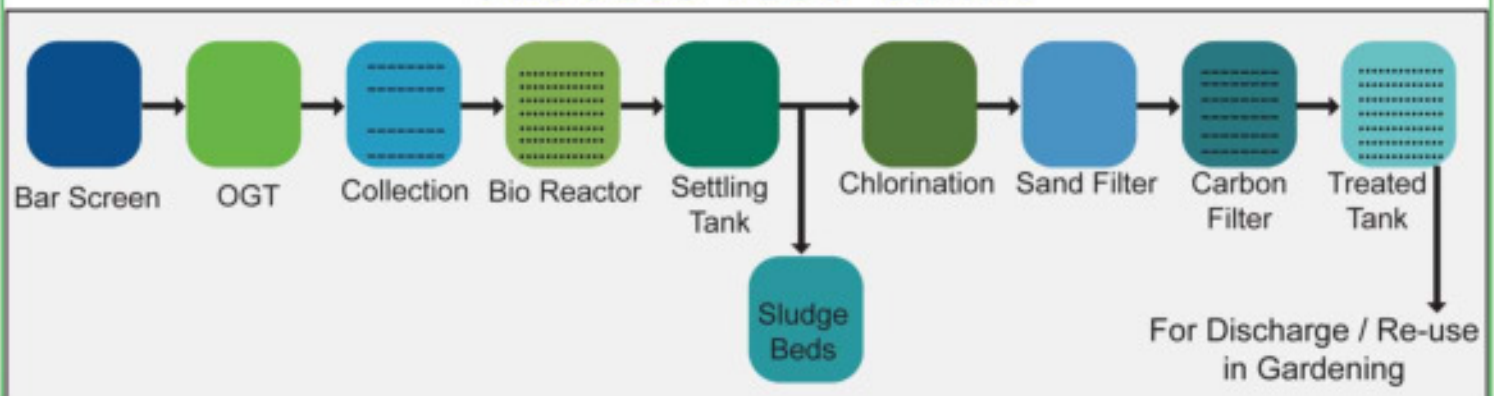
- Small Apartment complexes • Hotels & Restaurants
- Shopping Malls • Function Halls • Hospitals • Industries
- Schools & Educational Institutions

Indus Prefabricated Sewage Treatment Plants are specially developed for low volume sewage generators - those who can not have dedicated & experienced manpower for civil works. Combining versatility, efficient processing, reliability and a robust design, these packaged sewage treatment plants meet discharge standards of local Environment Regulatory Authority standards.

### Quick and Easy to Install

Indus Prefabricated Sewage Treatment Plant (PFSTP) is a bonsai version of modern day sewage treatment plant. All the process tanks are provided within this. PFSTP fits into any regular container trucks and can be transported easily anywhere from factory. PFSTP can be located even in open areas without roof. The plant will be installed on a concrete platform provided next to the collection tank. Typical installation takes one day only. Treated water confirms to discharge standards of central pollution control board (CPCB) in India.

### PROCESS FLOW CHART



GA Drawing For Prefabricated STP

Packaged STP | Customized STP | Recycling Plants | Softeners | RO Systems

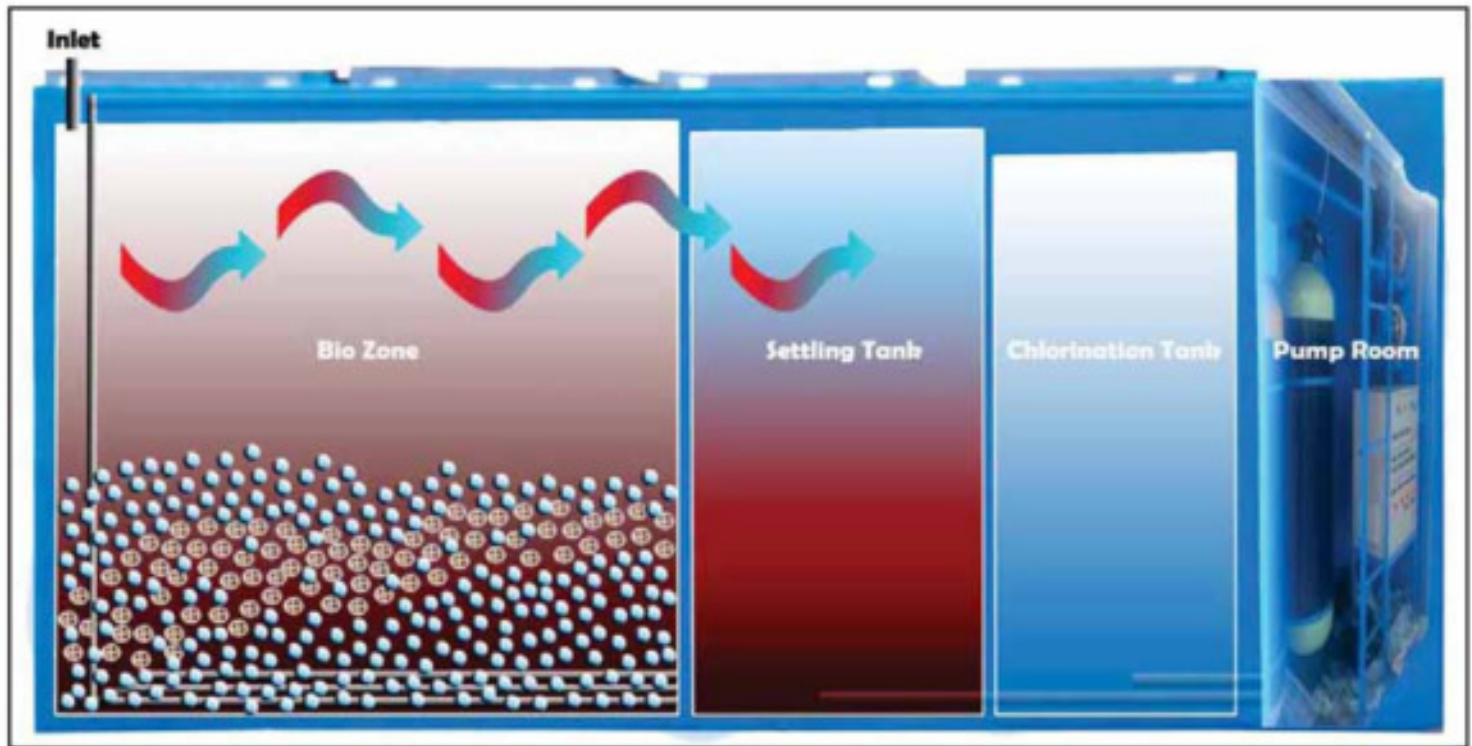
For More Details : <http://www.modernstp.com/packaged-plant.php>

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# Indus PFSTP employs latest technology 'Moving Bed Bio Reactor MBBR'



## MBBR Advantages

- ➔ Smallest foot print
- ➔ Reduces the process time
- ➔ Consumes lowest energy
- ➔ Self cleaning
- ➔ Offers better quality treated water
- ➔ Robust & can withstand shock loads
- ➔ Maintenance Free
- ➔ No sludge recirculation

## Technical Specifications

Product Code / Spec	PFSTP 15K	PFSTP 25K	PFSTP 50K	PFSTP 75K	PFSTP 100K
Capacity LPD	15000	25000	50000	75000	100000
Capacity KLD	15	25	50	75	100
Population Equivalent	1-100	100-150	150-300	300-450	450-650
Collection tank Vol. Client	5 KL	15 KL	20 KL	25 KL	40 KL
Width (mm)	2200	2200	2200	2200	2200
Height (mm)	2300	2500	2750	2750	2750
Length (mm)	3500	4200	6000	8000	10000
Hydraulic Volume (KL)	11500	21250	31350	37700	46800
Empty Tank Weight KGS	2000	2400	3200	3700	4500
Feed Pump (HP)	0.5	0.5	1.0	1.0	1.5
Sludge Pump (HP)	0.5	0.5	0.5	1.0	1.0
Air Blowers Type	Side Channel	Side Channel	Side Channel	Twin Lobe	Twin Lobe
Air Blower rating (HP)	1.0	1.5	3.0	3.0	5.0
Dosing Pump / UV	UV	UV	Dosing	Dosing	Dosing
Filter Feed Pump (HP)	0.5	0.5	0.75	1.0	1.0
Filter Vessel size (Lts)	110	140	185	250	450
Automation	No	100%	100%	100%	100%
Sludge disposal	Sludge Bed /		Bag Filter /	Filter Press	
Optional Accessories					
Recycling UF	NO	NO	YES	YES	YES

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# Features & Advantages :

## Innovative Design

PFSTP is a bonsai version of any large sewage treatment plant.

Maintenance free pumps and air blowers are specially used for troublefree operation for years to come. we understand that you will not have experienced & dedicated manpower for constructing tanks in RCC and install electro - mechanical equipment.



## 24 hour Installation

With PFSTP you just have to place the plant on a level concrete platform. Everything is factory made, pre connected & ready to use. Plants can be installed in one day. Start using the plant immediately !!!



## Rust Free Design

Indus PFSTP is manufactured in High Carbon Steel channels and MS sheets. All the wet surfaces are coated with Fiber Glass to prevent rusting. Exterior surfaces are painted with three coats of epoxy paints. All the moving parts

are provided in the thoughtfully designed pump room and are easily accessible for maintenance when needed.



## 100 % Automation

All PFSTPs come with 100 % Automation along with remote monitoring. it records sewage flows, power consumption, alert conditions and automatically sends a report by email every day to the user.

## Minimum Civil Works

The only civil work required for PFSTP is the collection tank and concrete platform. Saves time & money



## Silent Operation

Using side channel air blowers noise is reduced to below 80 dB. Plants above 50 KLD use acoustic enclosures to minimise twin lobe rotary air blower noise. Your PFSTP works silently.



## No Operator

PFSTP needs Operator just for barscreen cleaning and hypo mixing. Operator will be alerted by an SMS message in case of any break down. He has to attend the break down.

## Eco mode

When sewage flows are lesser, eco mode reduces blower operation and saves electricity. if sewage load is 50%, the power consumption is 50%. savings of 50% on energy cost. Great !!! Isn't it ?



## Guarantee

PFSTP comes with industry leading 24 months guarantee against defective workmanship. Peace of mind !



**INDUS ECOWATER**  
PRIVATE LIMITED

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