

*Happy
Designs*

*Happy
Technology*

*Happy
Service*

*Happy
Prices*

*Happy
PEB*

*Happy
Builder*

*Happy
User*



Happy Sewage Treatment Plants



www.modernstp.com



Custom Designed Sewage Treatment Plants

Enhanced environmental standards, more stringent controls, increasing public awareness and the new Building Regulations have placed greater importance than ever before on the need to install correctly sized and properly designed sewage treatment plant.

Choosing the right sewage treatment plant design and disposal method for your project is essential to ensure value for money, effective long term performance, protection of public health and the environment and compliance with relevant legislation. Most builders realise that building a sewage treatment plant is often time consuming and involves multiple agencies including consultants, vendors, architects and regulatory agency. You are confused about which technology to choose and what equipment to use.



In short it is a unavoidable pain.

Most sewage treatment plants end up not performing as planned !!!



INDUS ECOWATER = Your Pain Free Solution

With 20+ years of water experience we have standardised all designs, process, drawings, raw materials & components. We know well in advance your exact requirement & are prepared. most of the time we advise the next step. This eliminates any scope of pain for you.

We have a range of plants suitable for your site conditions

Packged STP	:	for below ground installation 5 to 150 KLD
Pre Fabricated STP	:	for above ground installation 25 to 100 KLD
Custom Designed STP	:	specially designed as per your site 50 to 2000 KLD
Recycling Plant	:	High quality water for reuse with UF & RO.



GUARANTEED LOWEST PRICE

We procure in bulk directly from component manufacturers and pass on the benefit to our customers. we run a lean organisation and keep a tight leash on our overheads. *You enjoy the benefit of high quality at low cost.*

Planning for an STP

We have a comprehensive checklist for planning an STP.

You can download the same at :

<http://www.modernstp.com/downloads-bro.php>

Packaged STP | Pre Fabricated STP | Custom Designed STP | Recycling Plants

For Techno-commercial Offers : <http://www.modernstp.com/request-pricing.php>

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+91 - 850 100 6000



Custom Designed Sewage Treatment Plants

Happy Designs

Our 20+ years hands on experience shows in our STP designs. Our designs guarantee smallest foot print, lowest civil tank volumes and ensure proper hydraulic flows. Equipment and parts are energy efficient and spares and service locally available. Lowest operating cost for users. We follow design philosophy - **'Keep it simple & Make Reliable'**.

Feature packed INDUS STPs come with prices that are un-believably low. We run a lean organisation and keep our over heads low. Our automation is part of our standard package at no additional cost. That means you just pay for the equipment not the over heads.

We guarantee lowest price in market.

Happy Prices

Happy Technology

INDUS STPs use most modern MBBR technology with 100% automation with remote monitoring- makes the STP more reliable and fail proof. It records all operational parameters. Our automation is very user friendly. For high quality re-use additional equipment like UF & RO can be installed when required. ***Truely future ready !!***

Most STPs today are used by home owners and association. For them the single most important factor is the cost of treatment. Most STPs are not operated due to high operating cost. Our designs are such that the operating cost is the lowest possible. Our standard automation reduces manpower cost by 75% making them economical to operate. ***Happy user!!***

Happy User

Happy Service

Our trained service staff are just a phone call away when you need service. We carry out the preventive maintenance as per schedule. We deploy process automation software like CRM for smooth handling of breakdown and periodic service. We take up operation & maintenance along with Annual Maintenance Contract @ very reasonable cost. ***Happy Service !!***

As a regulatory authority PCB expects STP builders to construct STPs that work properly and provide documentation to substantiate that. Our STP designs do just that. should more stringent norms come in future, your STP can be upgraded with minor modifications.

Happy compliance- Happy PCB !!!

Happy PCB

Happy Builder

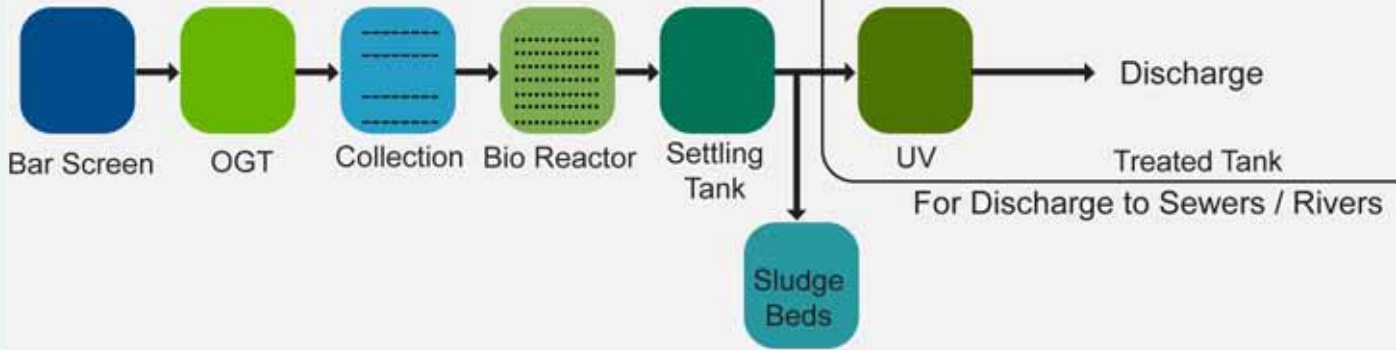
The first concern for any STP builder is whether the STP will comply with PCB norms or not. For us compliance is the first objective. We advise builders on the STP capacity, technology & equipment selection and proper layout. All the required inputs like shop drawings etc will be readily provided.

The builder is Happy !!

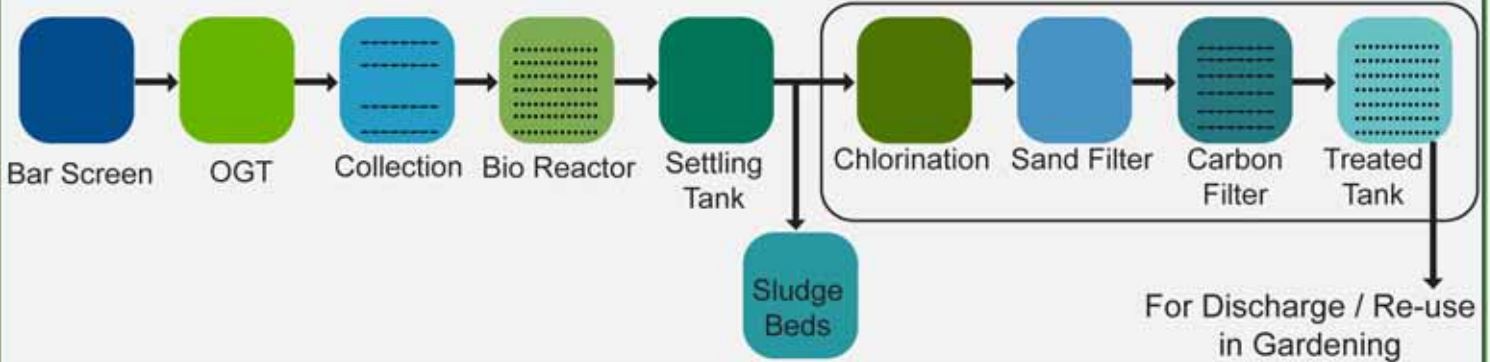
Typical Process with Options

Sewage Treatment Plant Process Flow Chart

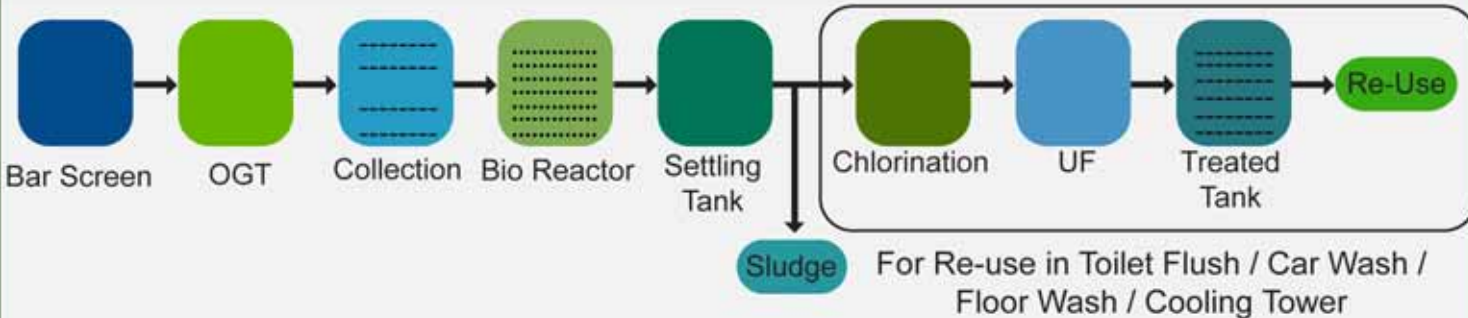
Sewage Treatment for discharge of Treated water



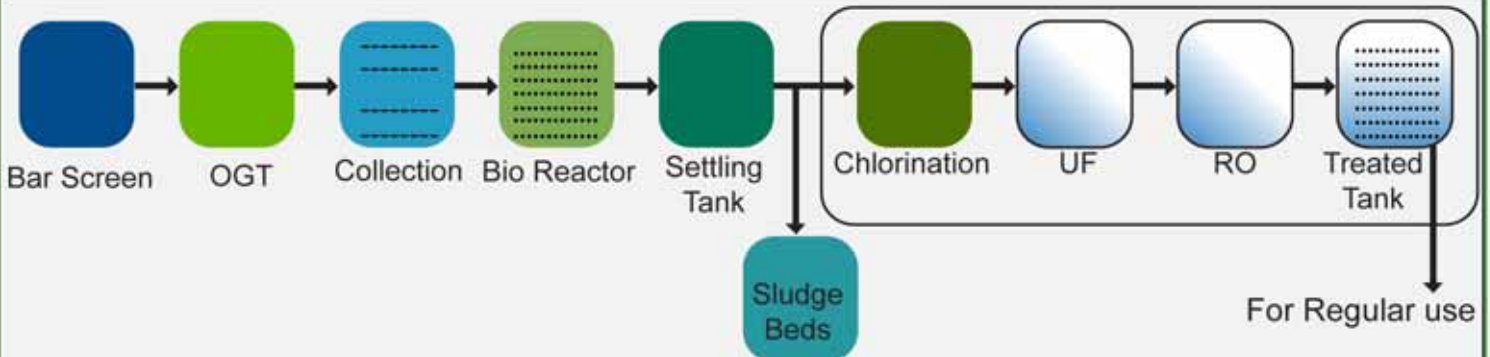
Sewage Treatment for Re-use of Treated Water for Low Quality Applications



Sewage Treatment with advanced process for Re-use of Treated Water for High Quality Applications



Sewage Treatment with advanced process for use of Treated Water for all Domestic needs.

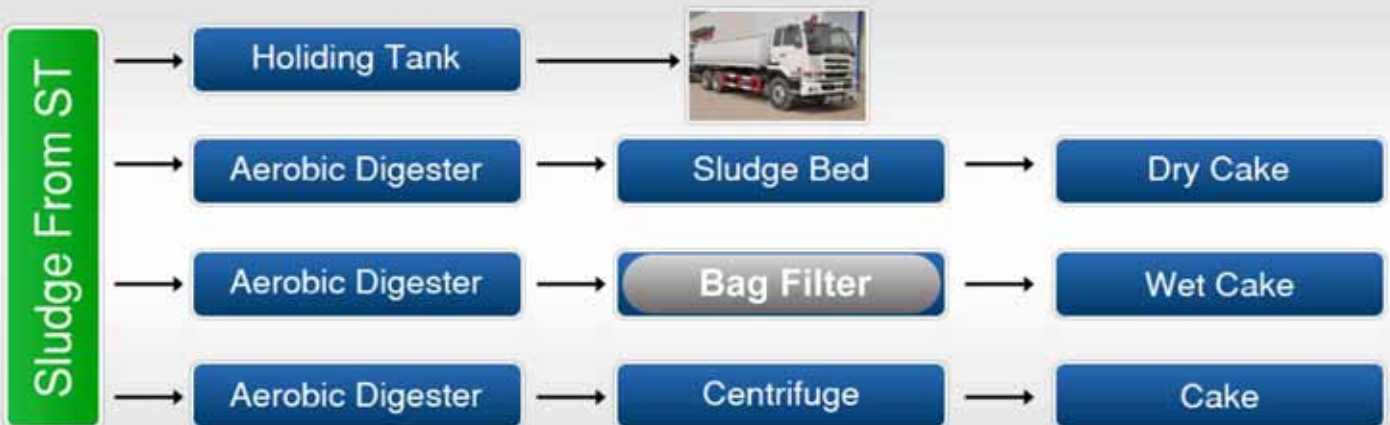


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Sludge Disposal Options

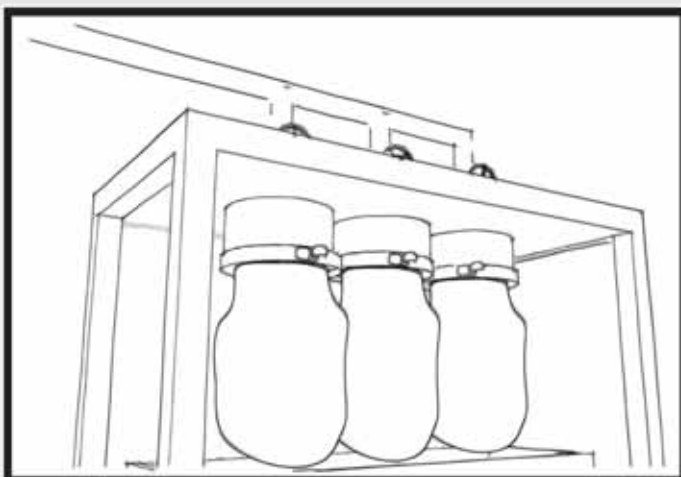
Sludge contains suspended solids present in sewage and dead bacteria. Every Sewage Treatment Plant generates sludge. Most STP designers would plan extensively for water treatment but forget about the solids present in sewage. This sludge accumulates in the Secondary Clarifier and is biologically treated.

Simplest form of sludge disposal is using a sludge dry bed. Sludge is pumped into an open tank having gravel and sand at bottom. Water passes through sand. Solids remain on top. It is allowed to dry naturally with air and sun. Once completely dry, it is taken out and disposed off as manure. Most cities and residential complexes do not have open areas for sludge dry beds.



INDUS BAG FILTER

INDUS Bag Filter is an imitation of our daily tea-strainer! The key factor that allows this method is that the flocs of bacteria are globular with 2-3 mm diameter. These flocs can be easily trapped with a laminated poly bag / cotton bag. These bags are used to transport sugar, fertilizer and other foodstuff, and at the end of the cycle, they are discarded. These used bags are available in secondary market at very cheap rates. Even new cotton bags are very economical. The equipment is very simple with NO power consumption at all. A chamber contains 2 or 4 stainless steel cages. Cloth bags will be placed in the cages and are hanging from the top. Sludge is poured in each bag, and just like tea-strainer, the water drains out. Every week or once the bag is full, it is discarded and a new bag is used.



Advantages

- 1 Zero electricity consumption.
- 2 Hands free operation.
- 3 Operator not required.
- 4 Suitable for automation.
- 5 Low cost replacement Bags.
- 6 No maintenance required.
- 7 Hygienic operation.
- 8 Low capital cost.
- 9 Small foot print.

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