



Sewage Treatment PLants & Wastewater Management

Technologies we offer

Moving Bed Biofilm Reactor (MBBR)

How it works:

Aeration Tank: The wastewater goes into the aeration tank, which works like a garden bed for the bacteria. The carriers are mixed in the tank using air bubbles, ensuring the bacteria get in touch with the dirty water.

Biofilm Magic: The bacteria on the carriers form a magical biofilm, which acts as a natural cleaner. It eats up the impurities in the water, making it cleaner and safer.

To make sure the plastic carriers don't escape, there's a sieve at the tank's outlet, like a safety net.



300 KLD for Samruddhi Apartments



70 KLD for NexGen Factory



70 KLD for Sri Lakshmi Kantam Apartments



60 KLD for Navayuga Constructions



50 KLD for Auro Realty



50 KLD for M S Homes Constructions



40 KLD for D Address Constructions



20 KLD for Amazon Warehouse



10 KLD for Sujatha Hospital

Membrane Bioreactor (MBR)

Our membranes are equipped with reinforced PVDF material with a pore size of $0.05\mu\text{m}$ and a UF membrane type that is capable of dismissing the microparticles.

Mitsubishi Sterapore™

	5600 Series	5700 Series
Membrane Material	Reinforced PVDF	
Membrane Type / Pore Size	UF / $0.05\mu\text{m}$	
Application	MBR, Tertiary Treatment	
Membrane Surface Area	40m ² / Element	5m ² / Element
	400 – 2,400m ² / Module	50 – 200m ² / Module
Flux*	Up to 33LMH	Up to 40LMH
Outer Diameter	1.65mm	
SADm	Min. 0.11m ³ /m ² /hr	Min. 0.27m ³ /m ² /hr
Storage Condition	Dry	
Photo		



75 KLD for Kamakshi Hospital

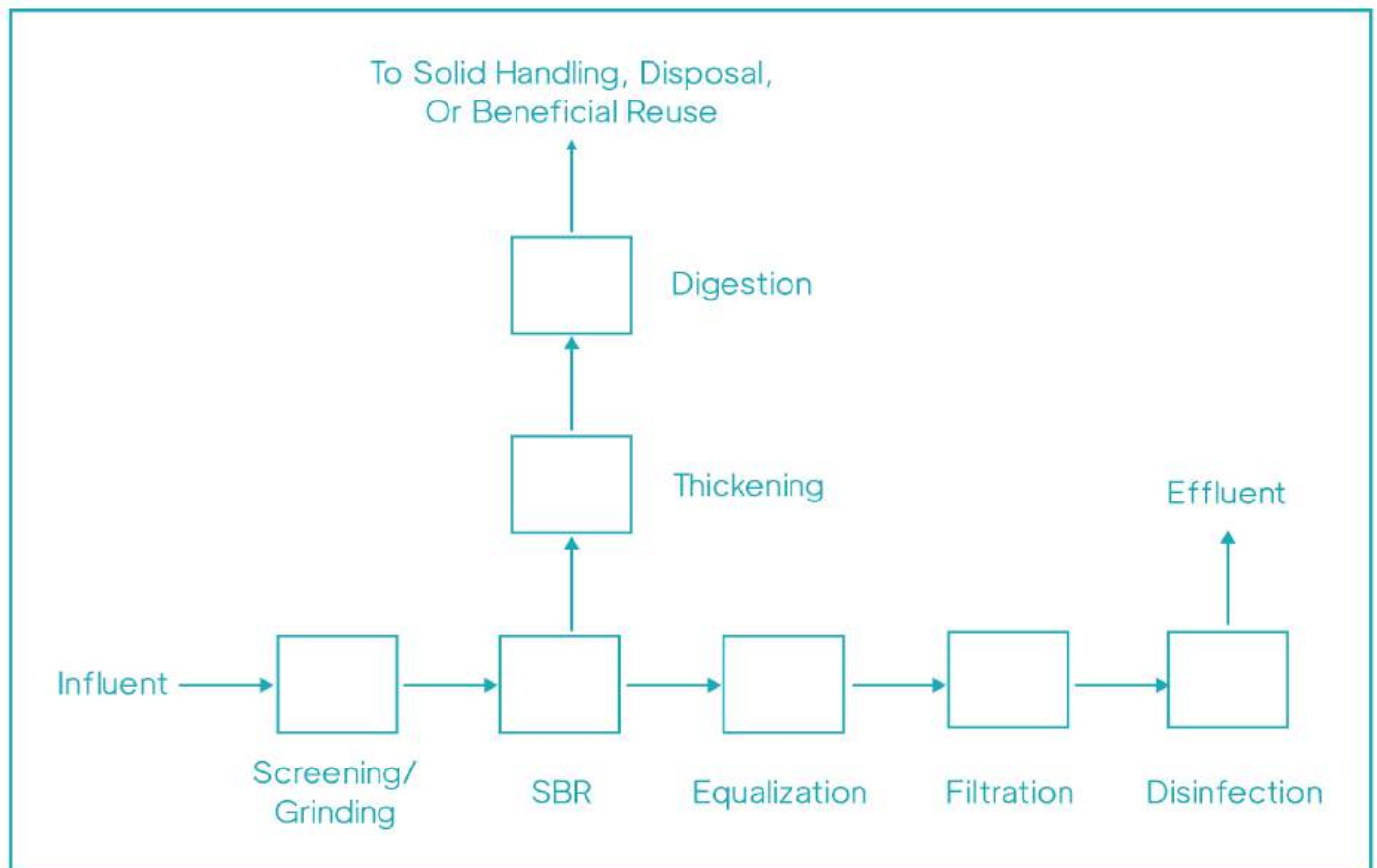


5 KLD for Cyient

Sequence Batch Reactor (SBR)

The sequencing batch reactor (SBR) is a fill-and-draw activated sludge system for wastewater treatment. In this system, wastewater is added to a single "batch" reactor, treated to remove undesirable components, and then discharged. Equalization, aeration, and clarification can all be achieved using a single batch reactor. To optimize the performance of the system, two or more batch reactors are used in a predetermined sequence of operations.

Flow Diagram of
Sequence Batch Reactor (SBR)



20 KLD for Kalpataru



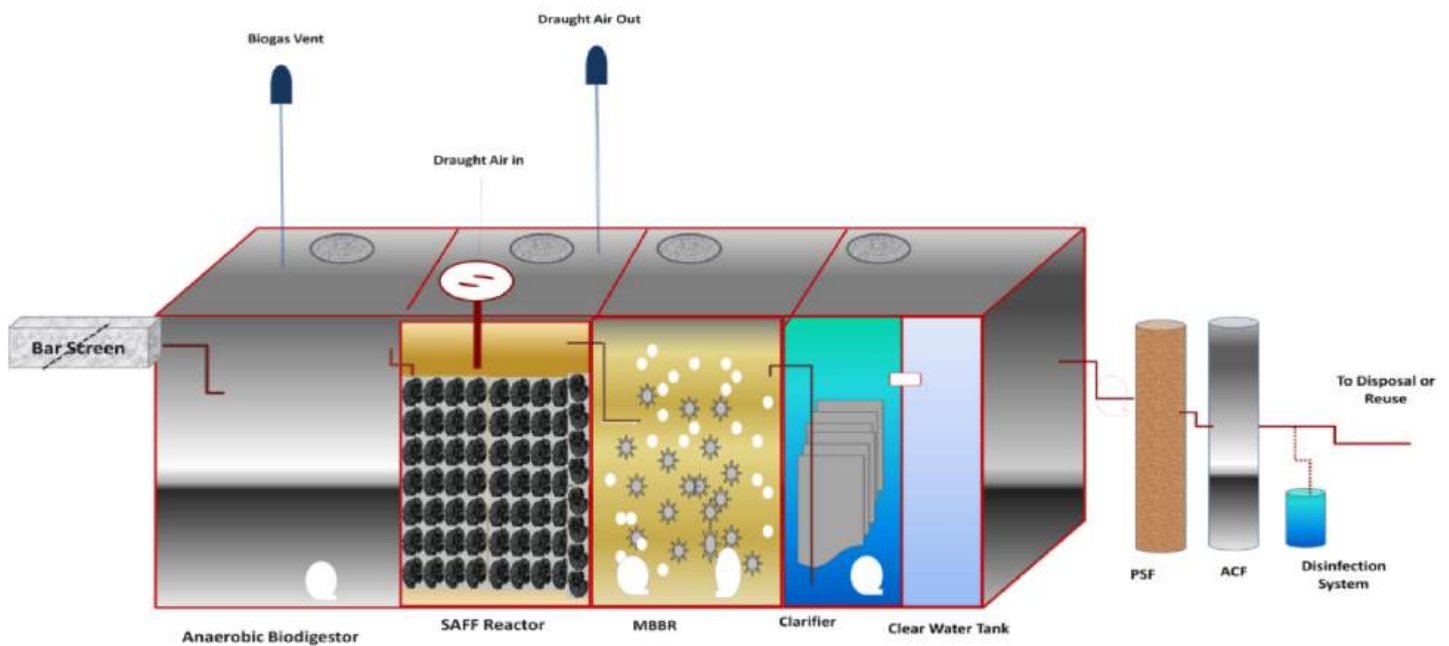
15 KLD for Kalpataru

ECOBUD

- Works on very low power (40-50% less electricity used)
- Zero maintenance
- Minimum chemical intervention
- Zero sludge generation & Zero odours
- 100% water recovery & Reuse
- Capable of handling shock loads
- Customized microbes with high enzymatic activity
- Scope for energy recovery through Biogas
- Faster ROI

A Disruptive Model in Treating the Sewage - ECOBUD

Works on Natural Draft Aeration with Low Electricity.



DISCLAIMER

Customize Options Available



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