

Total water management for a residential complex in Mumbai

About Customer

Promoter: Shivam Mega Structures Pvt. Ltd.
Builder: Global Buildcon Pvt. Ltd.
Site: Shivam Imperial Heights, Kandivali (East), Mumbai

About Project

Project Name: 570 KLD Sewage Treatment Plant
Technology: Sequential Batch Reactor
Capacity: 570 KLD
Scheme: Bar Screen - Equalisation Tank - SBRI- SBRII- Clear Water Tank - MGF - ACF - UV System - Sludge Dewatering System with Basket Centrifuge

Challenges

- Pre-constructed civil design by consultant
- Underground installation
- Irregular civil chamber/ tank dimensions due to space shortage
- Water scarcity in Mumbai city

Solutions

- Reverse engineering & filling the gaps of under design by consultant
- Owning performance of a structure which was not designed by us at first.
- Compact design, without decanter water.
- Production of reusable treated water for toilet flushing & gardening 570 m3/day (Approx)

Inlet - Outlet Parameters

Parameters	Input Concentration	Output Concentration
Total BOD	250	<20
COD	450	<50
Suspended solids	300	<10

