

Decentralized wastewater treatment system at Desai and Khidkali housing complex, Thane, Maharashtra, India

A decentralized wastewater treatment system has been designed for about 1300 residents of the housing complex. Treatment system for the housing complex has been divided into 5 locations having different amount of wastewater generated due to hard rock strata in the premises. The wastewater will get treated in the following 5 components: Settler, Anaerobic Baffle Reactor (ABR), anaerobic up-flow filter (AF), Planted Gravel Filter (PGF). Each house has their own sanitation facilities, the wastewater from which will get treated into the treatment system and will further get reused for gardening purposes.

This is an on-going project. The project will help reuse and conserve water.