

Decentralized wastewater treatment system at Kamalini Kuteer Resort, Pune, Maharashtra, India.

Location: Khariv, Pune

The resort is located at the bank of river and the owner of the resort was aware of the need of water conservation. Thus, he was interested in implementing some reuse techniques at his resort, due to which the resort can treat its wastewater thereby reducing the overall consumption.

Along with a one-day outing refreshment place, it also has residential facilities encompassing maximum customers during weekends. The system has been designed considering the peak inflow of the customers. The system consists of

i) Settler;

ii) Anaerobic Baffle Reactor; and

iii) Anaerobic up-flow filter. This system treats the wastewater coming from all the sections of the resort. The treated wastewater is being reused in the resort premises for irrigation purposes. Water quality tests of the treated water have been carried out and are well within the norms subjected for reuse of wastewater for irrigation purposes.