

Decentralized wastewater treatment system at Oasis resort, Pune, Maharashtra, India

Location: Pune, India

Oasis resort had an already existing treatment system. Due to its inefficiency in treatment; constructing an efficient treatment system was the client's requirement. The present treatment system has been designed in accordance with the basic structure of the earlier treatment system.

A decentralized wastewater treatment system has been designed for approximately 1000 users which include permanent residential staff members and floating population of customers. The treatment system consists of

- i. Oil and grease trap;
- ii. Settler;
- iii. Anaerobic Baffle Reactor;
- iv. Anaerobic up-flow filter.

The wastewater from all the sections of the resort will get treated in the system; get collected in a collection chamber and the treated wastewater will be reused for irrigation purposes in the resort premises only.