

Decentralized Wastewater Treatment System at the Avasara Academy

Name of the Project: Decentralized Wastewater Treatment System at the Avasara Academy.

Location: Valley of Lavale, Pune, Maharashtra, India.

Name of client: Avasara Academy & AMS India

Project Duration: April 2017 - ongoing

Project Description:

Avasara Academy is located in the valley of Lavale near Flame University. Architect of the school has made a provision for treatment of domestic wastewater with the help of 'Natural Treatment Technology.' Due to an excellent initial planning, it is very much effective and easy to implement a natural wastewater treatment system. The requirement of the school was to reuse the treated water in toilet flushing and gardening. ESF along with the AMS India, designed treatment scheme to treat a domestic wastewater generating from the school. The details of the treatment system are as follows:

Number of buildings = 6 numbers

Person equivalents = 400 (day & night), 750 (day)

Total capacity of wastewater treatment system = 55 m³/day

Treatment units: Anaerobic Treatment System, Horizontal Flow Constructed Wetland, UV disinfection

Currently; in first stage, treatment system of 25 m³/day capacity is installed and it is in operation. Whereas in second stage another treatment system of 30 m³/day will be installed. About 50 m³/day of treated water will be available for reuse purposes after completion of project.

