

**Decentralized Wastewater Treatment System at Shree Baleshwar Ashram School, Sarole Pathar,
Ahmednagar, Maharashtra, India**

Location: Ahmednagar, Maharashtra

The project is supported by European Union's Asia Pro Eco Program. The school is a tribal residential school with around 500 resident students. It has huge premises and ample space to develop green area. The treatment system has been designed to treat only the grey-water from school premises. It comprises of 3 organic filters for grey-water coming from toilets and kitchen which gets further treated in a planted gravel filter treatment system. This treatment system has been designed for the school students and staff members.

The school is a tribal residential school having ample open area available. Around 17.5m³ of grey water is generated daily. The treatment system has been designed for about by 500 users which include the school students and staff members. ESF, with support from GTZ and seecon international, initiated grey-water management system to overcome the acute shortage of water, especially due to very low rainfall and high temperatures. The grey water management comprises of 3 organic filters for grey-water coming from toilets and kitchen which gets collectively treated in a planted gravel filter treatment system. The toilets too have a centralized water storage tank system instead of tap system to conserve water and the generated wastewater is being treated and reused for irrigation purposes. The treated wastewater is being reused to develop green area. Being a residential school, they are also interested to develop a vegetable garden in the premises.

With regards to long-term impacts of the project, the main expected impact of the project is improved sanitation at the grass root level and develop awareness regarding water conservation and reuse aspects in the students and the staff members.