

Forsyth Lodge, Satpura

DEWATS - Effective, Low Cost Decentralised Wastewater Treatment



Reed bed system to filter grey water from the kitchen.

Forsyth Lodge uses a combination of different techniques for cleaning wastewater from different areas, an example of an effective low-cost decentralised wastewater treatment system (DEWATS). Water from the kitchen is treated using a simple, ancient reed-bed filtration system. This natural solution is enjoyed by a host of bird species and dragonflies.

Grey water from guest cottages passes through filtration pits to lily ponds. A gravel, sand and charcoal filtration pit is used to clean grey water from washing and overflow pits before being released into nallah sand beds. A septic tank, a small-scale sewage treatment system, is used to ensure safe disposal of black (sewage) water.



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The swimming pool has an auto-aeration system to recycle water. The grounds are planted with trees, local shrubs and grasses which act as natural aquifers and help to recharge groundwater.

Guests are provided with herbal non-polluting toiletries. Drinking water is cleaned through reverse osmosis; steel bottles are provided in the rooms. Aerated water taps and dual low flush toilets are in use to minimise water consumption. Guests are encouraged to save water and re-use sheets and towels.