



Case Study from WWS: SPG PU

Biofilter – Maruti, Rohtak

About Maruti Suzuki India Ltd (MSIL) - Rohtak facility

It is 700 acres of R&D facility in Industrial Model Township at Rohtak. The facility is to be the R&D hub for the country's largest car maker.

MSIL requirements

50 m³/day decentralised and compact sewage treatment plant. The treated sewage shall be used in test tracks and R&D facility.

Proposed Thermax system

A small scale compact sewage treatment system called **Biofilter** has been developed by Thermax Limited. It is based on biological attached growth principle having all the advantages of a Trickling filter and aerobic activated sludge process.

Biofilter is the innovative technology which has been developed considering urbanization requirement for decentralized small capacity sewage treatment. Biofilter addresses major issues like space constraint, stringent norms etc., provides full proof sewage treatment solution and more advantages over the conventional STP system.

Thermax: Water and Waste solutions Division

“We make water work for you”

Parameters

Parameters	Unit	Inlet	Outlet
pH	-	7 - 8	7 - 8
BOD	ppm	300	< 20
COD	ppm	600	< 100
TSS	ppm	300	< 30
Oil and Grease	ppm	50	< 10

Benefits to MSIL

- No external aeration through blowers
- No sludge removal from the system on daily basis
- Sludge will be removed from the system once in 3 month
- Skid mounted unit which reduces installation time
- Low maintenance, Simple to operate and Low foot print area

Site Photographs

