

SIBF System AT KIMMINS HIGH SCHOOL

Wastewater	: Domestic Sewage	Completion Date	: 2006
Location	: Panchgani, Dist. Satara, Maharashtra	Design flow	: 40 m ³ /day
Treatment method	: Eco-friendly SIBF (Solid Immobilized Bio-Filter) System		

Need:

Kimmins High School is a residential school housing 350 students located at Panchgani which is a popular hill station. Panchgani has been declared as an eco-sensitive zone. The local authorities and the pollution control board have made wastewater treatment compulsory to prevent pollution of natural water bodies. Also, there is water scarcity in the region particularly during summer months.



Solution:

The SIBF system was selected due to its low operation cost, low skill requirement and consistent efficient performance. Moreover, this system is most suited to handle flow fluctuations such as during vacations.



Benefit:

The treated water conforms to the standards set by the state pollution control board. In addition to pollution control, 36,000 litres treated water is available for gardening and toilet flushing. The treated water line has been connected to 14 toilets for flushing. Reuse of treated water for gardening also helps to recharge ground water.



Environmental Protection – its Now or Never!

CONSULTANTS: ENERGY TECH SOLUTIONS PVT. LTD.

B - 2 / 3, Shantiban Hsg. Soc., S. No. 52, Near Eklavya Polytechnic, D. P. Road, Kothrud, Pune – 411 038

Phone / Fax : +91 20 25360926 (O); e-mail: sibfssystem@gmail.com; Website : www.sibfssystem.com