

SIBF SYSTEM AT BHARATI HOSPITAL AND MEDICAL COLLEGE

Wastewater	: Sewage	Completion Date	: 2009
Location	: Sangli, Maharashtra	Design flow [Phase I]	: 4,00,000 litres / day
Treatment by	: Eco-friendly SIBF (Solid Immobilized Bio-Filter) System		

Need:

BHARATI VIDYAPEETH'S Hospital and Medical College at Sangli, is a 67 acres campus. It is a 750 bed hospital along with medical, dental and nursing colleges. Also, there is hostel and canteen facility.

The pollution control board has made wastewater treatment mandatory to prevent pollution. Also, there is a huge requirement of water for gardening in the whole campus.



Solution:

The management opted to install the eco-friendly SIBF system. The SIBF system was selected mainly due to its low operation cost and low skill requirement. Also, the system has been successfully running at their Panchgani campus since the last 10 years.

The system looks like a garden and adds to the landscaping. The final treated water is being reused for gardening.



Benefit:

The treated water conforms to the standards set by the state pollution control board. In addition to pollution control, 3,80,000 litres of treated water per day is available for gardening throughout the year. Also, the treated water can be reused for toilet flushing. The treatment cost works out to about Rs. 3/- per 1000 litres!

Reuse of treated water for gardening helps in ground water recharge.



Environmental Protection – it's Now or Never!

CONSULTANTS: ENERGY TECH SOLUTIONS PVT. LTD.

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