

**SIBF SYSTEM AT MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
SCHOOL OF FASHION TECHNOLOGY, PUNE**

Wastewater	: Sewage	Design flow	: 50,000 litres / day
Location	: Narhe, Pune	Completion Date	: 2015
Treatment by	: Eco-friendly SIBF (Solid Immobilized Bio-Filter) System		
<p><u>Need:</u></p> <p>Maharshi Karve Stree Shikshan Samstha has set up a School of Fashion Technology at Narhe, Pune. The 14 acres campus has college building, hostel block, administrative office and canteen. It is mandatory to have a STP for the institution. There is water scarcity in the area (water is procured through tankers) and also using the treated water for toilet flushing and gardening will be economically beneficial for the institution.</p>			
<p><u>Solution:</u></p> <p>The institution had earlier set up SIBF system at two other campuses and was enjoying the benefits. The eco-friendly SIBF system has low operation cost and low skill requirement. More than 80% of energy is saved compared to conventional STPs. Only, one operator (gardener) runs the system in one shift. The system looks like a garden and adds to landscaping.</p>			
<p><u>Benefits:</u></p> <p>The problem of pollution is solved. The treated water conforms to the standards set by the state pollution control board. In addition, daily about 5 tankers of treated water is available for toilet flushing and gardening. Thus, drinking quality water is conserved and there is huge saving in costly tanker water requirement.</p> <p>Also, the reuse of treated water for gardening helps in ground water recharge.</p>			

Environmental Protection – it's Now or Never!

CONSULTANTS: ENERGY TECH SOLUTIONS PVT. LTD.

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