

SIBF SYSTEM AT ATMANTAN HEALTH CARE CENTRE, PUNE

Wastewater	: Sewage	Design flow	: 3,00,000 litres / day
Location	: Mulshi, Pune	Completion Date	: 2015
Treatment by	: Eco-friendly SIBF (Solid Immobilized Bio-Filter) System		
<p><u>Need:</u></p> <p>Atmantan Health Care Centre has been established at the backwater of Mulshi dam near Pune. The centre is spread over 40 acres and has accommodation, health spa, dining and recreational facilities. As per pollution control board norms, it is mandatory to have a STP for the wastewater generated. Also, there is a huge requirement of water for gardening and landscaping.</p>			
<p><u>Solution:</u></p> <p>The management had earlier opted for the conventional STP. The civil works had been executed. Then, the management changed their decision and opted for SIBF system after getting to know the difficulties of operating a conventional STP to get desired results consistently. The SIBF system is a natural and sustainable treatment system. It has low operation cost and low skill requirement. More than 80% energy is saved compared to conventional STPs. One operator (gardener) runs the system in one shift.</p>			
<p><u>Benefits:</u></p> <p>SIBF system is an ecofriendly and sustainable solution to pollution. The treated water conforms to the PCB norms. In addition, daily about 95% treated water is available for gardening. Thus, there is huge saving in costly tanker water. There is no toxicity to plantations due to any added chemicals, thereby, maintaining a healthy food chain. Also, the reuse of treated water for gardening helps in ground water recharge. The system itself resembles a garden and adds to landscaping.</p>			

Environmental Protection – it's Now or Never!

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