




SIBF SYSTEM AT CHITALE BANDHU MITHAIWALE, PUNE

Wastewater	: Process wastewater	Design flow	: 50,000 litres / day
Location	: Ranje, Pune	Completion Date	: 2017
Treatment by	: Eco-friendly SIBF (Solid Immobilized Bio-Filter) System		
<p><u>Need:</u></p> <p>M/s. Chitale Bandhu Mithaiwale has set up factory in the year 2003 for production of sweet meats. Recently, they have set up a new unit with increased production capacity to cater to the growing demand. The factory area is about 3 acres. Staff quarters have also been provided. As per pollution control board norms, it is mandatory to have an ETP for the process wastewater generated. Also, there is a requirement of water for gardening and landscaping.</p>			
<p><u>Solution:</u></p> <p>The earlier conventional ETP was not giving desired results and was difficult to operate. Hence, the management was in search for a better option. SIBF system was opted after proper evaluation.</p> <p>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 ETPs. 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. Being a food industry there are seasonal flow and strength fluctuations in the wastewater which are easily taken care of by the SIBF system.</p> <p>The treated water conforms to the PCB norms. In addition, daily about 95% treated water is available for gardening. Also, the reuse of treated water for gardening helps in ground water recharge. The system resembles a garden and adds to landscaping.</p>			

Environmental Protection – it's Now or Never!

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