



## SIBF SYSTEM AT 'CHAITANYA HOME, JAMBHULPADA'

<b>Wastewater</b>	: Domestic	<b>Design flow</b>	: 8,000 litres / day
<b>Location</b>	: Jambhulpada, Khopoli	<b>Installation</b>	: 2013
<b>Treatment by</b>	: <b>Eco-friendly SIBF (Solid Immobilized Bio-Filter) System</b>		
<p><b><u>Need:</u></b></p> <p><b>CHAITANYA HOME – AN OLD AGE HOME</b> has been built at Jambhulpada near Khopoli. About 30 people along with the supporting staff members stay at this home. The wastewater is generated from housing and kitchen facilities.</p> <p>The wastewater, if left out untreated, causes pollution and nuisance. Also, since there is water scarcity during summer, it is beneficial to reuse treated wastewater.</p>		 <p>The failed root zone/phytorid system...</p>	
<p><b><u>Solution:</u></b></p> <p>Earlier, the management had installed a root-zone - phytorid system, but it failed. Hence, it opted to install the eco-friendly SIBF system.</p> <p>The SIBF system looks like a garden and adds to the landscaping. Also, the system requires less power &amp; skill.</p>		 <p>... converted into eco-friendly SIBF system</p>	
<p><b><u>Benefit:</u></b></p> <p>There is a dual benefit due to the SIBF system. In addition to pollution abatement, about 7,500 litres per day of treated water is available for toilet flushing and gardening throughout the year. The treated water conforms to the standards set by the pollution control board.</p> <p>Reuse of treated water for gardening helps in ground water recharge.</p>		 <p>Treated water being reused for gardening</p>	

*Environmental Protection – it's 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: [sibfsystem@gmail.com](mailto:sibfsystem@gmail.com); Website: [www.sibfsystem.com](http://www.sibfsystem.com)**