

What is FSTP journey.....

Background	UNICEF	Kalpetta	PriMove
In August 2018 Kerala received worst flood after July 1924	UNICEF is actively engaged in rehabilitation	UNICEF selected kalpetta for pilot project	PriMove appointed as contractor through the tendering procedure

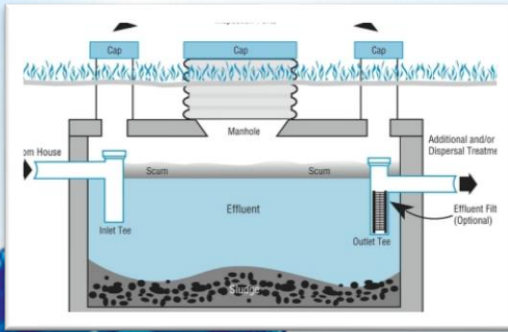
This technology is comprised of four processes- anaerobic digestion, Vermi filtration-I, Vermi Filtration-II and polishing. The Earthworm based vermifiltration rapidly treats waste matter, with no smell and need for desludging (a common phenomenon in traditional and informal faecal waste treatment). Vermi filtration is reportedly a superior form of sanitation technology, compared to conventional methods such as septic tanks and pit latrines. Earthworms are known to promote digestion of organic waste, which results in the production of vermicompost. In vermifilters, this behaviour is combined with filtration to digest organic matter present in septage.



10 KLD FSTP Kalpetta



Have you emptied your Septic Tank?



1. **Water pooling above the septic tank** - If you noticed a small pool of water it's a clear sign to empty the septic tank **You can call us**
2. **Drain moving slowly** - If the drain is moving slowly when you flush the toilet it could be due to a clog..... **You can call us**
3. **Drain moving slowly** – if the drain is moving slowly when you flush the toilet, it could be due to clog ... if the clog is removed and everything is still taking much longer than expected the septic tank is may be full and needs to empty **You can call us**
4. **Bad smells coming from the Septic tank** - normally a septic tank is supposed to hold the odors from reaching from the house and surrounding area causing a very unpleasant smell that would indicate it's time to get the tank emptied **You can call us**
5. **The sewer has backed up**- This is one of the more difficult sign to endure as it means the sewer has caked up into one of the lowest plumbing fixtures it is sign that something serious went wrong such as the septic tank over flow ... tank needs to empty **You can call us**

1. **Call on 8606056771**

Septic tank emptying



What is Tiger Biofilter FSTP?

The FSTP based on Tiger technology is four stages. First is the anaerobic (ABR) stage, then the Vermifiltration I, Vermifiltration II and Horizontal planted gravel filter (HPGF) for removal of the nutrients from the water coming from the TBF stages, the last stage is polishing.



Final outlet – vermicompost



Left to right – Raw Septage, BDT outlet, TBF I outlet, TBF II outlet & final outlet

- No odor
- Low cost treatment
- Reuse of treated water
- Treated water can be used for the gardening purpose
- Vermicompost can be used as a fertilizer for gardening purpose

Do

- Check the sludge depth in your septic tank every year and empty when it is two thirds full.
- Promptly repair leaky water faucets and toilets.
- Prevent surface water runoff from entering into your septic tank.
- Prepare and keep the “as-built” drawing for any further reference.
- Keep the records of emptying, inspection, and other maintenance works done.
- Ensure that tenants understand how to safely operate and maintain the septic system.

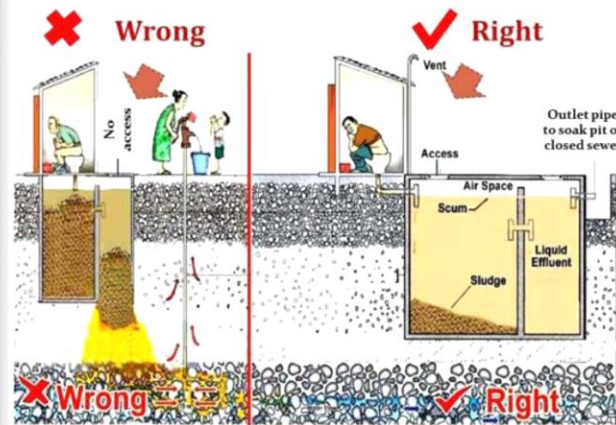
Don'ts

- Avoid driving or parking over any part of your septic system. The area over the system should be left undisturbed with just a mowed grass cover. Roots from nearby trees or shrubs may damage your system.
- Don't put any large quantity of cooking oil or grease into the septic system.
- Don't throw non-biodegradable materials such as disposable diapers, sanitary products or plastic into the septic system.
- Don't pour petrol, diesel, oil, paint, and paint thinner, pesticides, antifreeze or other chemicals into the system.
- Don't wait for the signs of system failure. Use this manual to help you check the state of your septic tank.



Things to remember.....

Proper Design and Cleaning of your Septic Tank!



Proper Design

- Septic tank base should always be sealed and it should have proper vent pipes
- Proper access manhole should be provided for easy emptying



Services provided by ___ Nagar Parishad

Cleaning your Septic Tank

- Clean your septic tanks regularly once in 3 years
- Do not wait for it to overflow. This will adversely affect your health and your environment