

Quick Preview

Readymade Septic Tank

(Readymade EmptiNil BioFurnaX - 51)

www.SepticTank.in

www.SoakPit.com

www.ZeoSTP.com

www.HarvestRainWater.in

Conventional Septic Tank

There are number of solutions proposed by different inventors, individuals and institutions for low cost disposal of human excreta to overcome the health hazards that can be caused by open air defecation and can be considered appropriate under the given local conditions and limitations .

More about Septic Tank

Generally two types of septic tank are being used in India now a days. One is Brick made septic tank that is two or five chambered and another is RCC round shape pipe made. The pipe made septic tank is one and half or two chambers without filtration arrangements.

Brick made Septic Tank

Brick made Septic Tank Need Plenty of Land and lot of Manpower. It Takes 10 to 15 days to construct and Re-Cleaning is Compulsory after few years of use. There is no arrangement of solid retention and solid Travel from one to another chamber hence soak pit gets choked.

Pipe made Septic Tank

Pipe made Septic Tank takes Less Space and little Time Compare To Brick Made septic tank. As particle retention system not attached so Soak Pit gets choked in this case too. It was developed on or before 1970 and it's almost 37 Years Old Design hence need improvements.

CBRI Test Results

Tests were conducted by CBRI and university of Roorkee on Pipe made Septic Tank developed in 1970:-

PH – 6.95 to 7.70

C O D (mg/lit) – 100 to 360

B O D (mg/lit) – 62 to 262

Total solid (mg/lit) – 665.70 to 2922

Suspended solids (mg/lit) – 61.40 to 587.90

Volatile solids (mg/lit) – 23.20 to 105.40

CBRI Recommendations

Septic Tank developed in 1970 and made by One and half RCC pipe was tested by CBRI Roorkee in 1995 and they suggested few possible improvements as follows to enhance it's efficiency :-

- 1 – Arrangements to be made to reduce outflow of suspended solids to enhance its efficiency
- 2 – Arrangements to be made to further dilute the effluent for clear discharge
- 3 – A filtration system to be added for further filtration

EmptiNil BioFurnaX - 51

As everyone knows that we live in technological age and technology is changing very fast so the septic tank design created on or before 1970 will not help in the present context hence we have improved the design as per the recommendations of CBRI Roorkee and innovated a scientific septic tank called EmptiNil BioFurnaX - 51. It's based on new technologies, have additional valuable features like Solid particle retention device, Bio-T filtration system attached to outlet.

Benefits of BioFurnaX - 51

- 1 – BioFurnaX is Very Efficient and Compact Design
- 2 - Can be Installed In a Day Or Two
- 3 - No Need to Re-Clean as It is EverClean
- 4 - Fitted With Particle Retention system
- 5 - Filtration system is there to produce clear effluent
- 6 - Based on UASB Technology
- 7 – Can easily be converted into Aerobic Treatment Unit
- 8 – Works best with multi Soak Pit system

Comparison

Conventional

- 1 - Need plenty of land
- 2 - Takes 15 days to construct.
- 3 - Free circulation of effluent not possible.
- 4 – Can not be shifted.
- 5 – No filtration arrangement.

BioFurnaX -51

- Need 3 F X 7 F for 15 Uses.
- Can be installed in 3 days.
- Free circulation is possible due to its shape.
- Can be shifted if needed.
- Final Tank works as filter.

Scope of Work

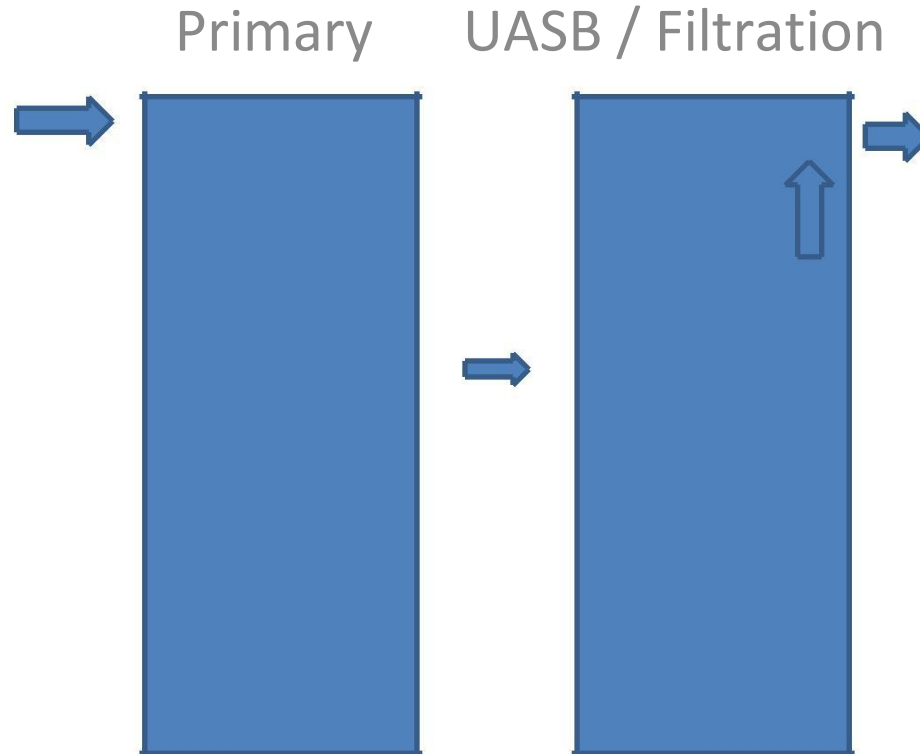
Supply, excavation and installation of pre-casted RCC EmptiNil BioFurnaX - 51 Readymade Septic Tank with 4 inch diameter, 6 inch long inlet / outlet pipes and round RCC covers are in our scope of work. Any other work like flooring, extra soil removal, any kind of plumbing like main hole chambers or sewer pipelines etc, soak well, sanitary work, toilet sheet installation work etc, any other civil, electrical or mechanical work not included. Water for hydro testing shall be arranged by client.

Rates of BioFurnaX - 51

Rates are inclusive of Supply, excavation and installation.

Details	Dehradun Rates	Elsewhere Rates
15 Uses	Rs 39900/	Rs 49900/
30 Uses	Rs 69900/	Rs 83900/
50 Uses	Rs 99900/	Rs 119900/
75 Uses	Rs 139900/	Rs 169900/
100 Uses	Rs 209900/	Rs 253900/

Flow Diagram of BioFurnaX



For More Details

For more details of **EmptiNil BioFurnaX – 51**, a **Readymade Septic Tank** installation please meet or call:-

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www.SepticTank.in

www.SkyJal.com