

Faecal Sludge Management (FSM)

In District Pratapgarh 27444 Saftic Tank toilet which have not leech pit in FY 2025-26 it will be covered.

And 152027 toilets which have single pit, in FY 2025-26 it will be converted into twin pit.

Operational Details The practice of deep row entrenchment involves placement of faecal sludge into trenches and covering it with a thin layer of soil after each application. Once filled to the desired height, usually 0.3 m from the top, the trench should be covered with a soil layer to avoid odours and to maintain a favourable environment for digestion and dewatering. The filled-up area can be left open for future reuse or planted with particular species of plants (e.g., eucalyptus, acacia, poplar) that have high nutrient consumption rates. Storage of biosolids within the trench for longer duration results in transformation of biosolids into stable soil-like media with good nutrient value

The technology does not require any consumables, any specific operation schedule, etc. Hence, the operational cost is also very low, including cost of excavation every three months. Expenses that need to be considered while estimating the operational costs are given –

Sr. No	Description	Frequency
1	Excavation of trenches	Trenches to be excavated once in a quarter/month
2	Backfilling of trenches with excavated material (0.3 m thickness)	Twice a month (Once a trench is filled)
3	Plantation on trench bunds	Once a month (Done at the same time as backfilling)
4	Removal of stabilized sludge from trenches	Once in two years (Manure can be auctioned)