# Faecal Sludge Management Devanahalli, Bangalore

First-of-its-kind town-scale Faecal Sludge Treatment Plant in India

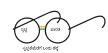


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# **Background**

In coordination with Devanahalli's Town Municipal Cooperation (TMC), CDD Society built a faecal sludge treatment plant (FSTP). The plant is successfully handling 100% of the sludge collected in Devanahalli today.

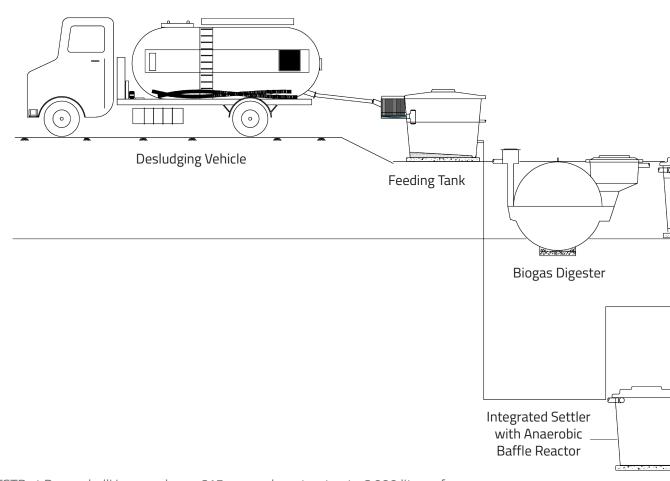
The success of the FSTP motivated the TMC to pass resolutions in order to ensure the plant faces no operational or financial hurdles. The FSTP forms the heart of an end-to-end FSM solution for Devanahalli.

### About Devanahalli



# Features-Benefits of the FSTP

Features	Benefits
No direct contact with faecal sludge	Allows for safe operations
Co-composting with Municipal solid waste	Allows for safe reuse
No odour; aesthetically-pleasing facility	Plant can be set up close to the city; reducing distance trucks need to travel
Gravity-based system; low electromechanical equipment	Keeps cost low making FSM affordable for the ULB
Biological treatment; no chemicals used	
Low operation and maintenance; no skilled labour required	



The FSTP at Devanahalli is spread over 615sqm and can treat upto 6,000 litres of faecal sludge a day.

## **FSM Business Plan**

### Costs to be incurred:

- FSTP operations
- 2. Cesspool vehicle operations
- 3. Co-composting plant operations
- 4. Overheads

### Possible sources of revenue:

- 1. Increase in property tax
- 2. Advertisement hoardings
- 3. Revenue from truck operations
- 4. Sale of compost (from treated sludge)

These sources of revenue do cover costs.

# <u>Devanahalli's Municipal Corporation has passed 4</u> resolutions

Regulating faeca sludge disposal

Outsourcing of O&M of plant and truck

Monitoring construction of pits & septic tanks

Property ta

### Achievements

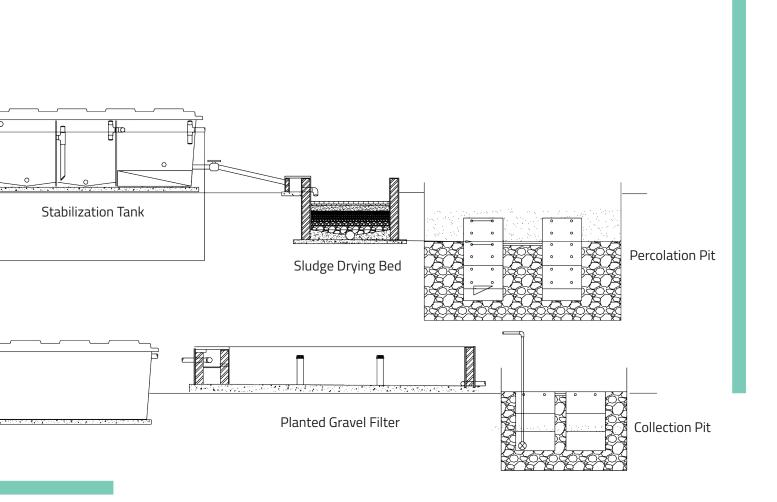
One-of-its-kind town-scale FSTP

First town in India to implement end-to-end FSM

Utilisation of cesspool vehicles increased 4x

IEC campaigns on FSM and sanitation on-going

A fully-replicable model for towns of this size





CDD Society: Survey No.205 ,Opp. Beedi Workers Colony, Kommaghatta Road, Bandemath, Kengeri Satellite Town, Bengaluru, Karnataka 560 060

