



Govt. of Tamil Nadu
Municipal Administration and Water Supply

Tamil Nadu Urban Sanitation Support Program

6th-February - 2017

TECHNICAL
SUPPORT UNIT:

iihsTM
INDIAN INSTITUTE FOR
HUMAN SETTLEMENTS

IN ASSOCIATION
WITH:

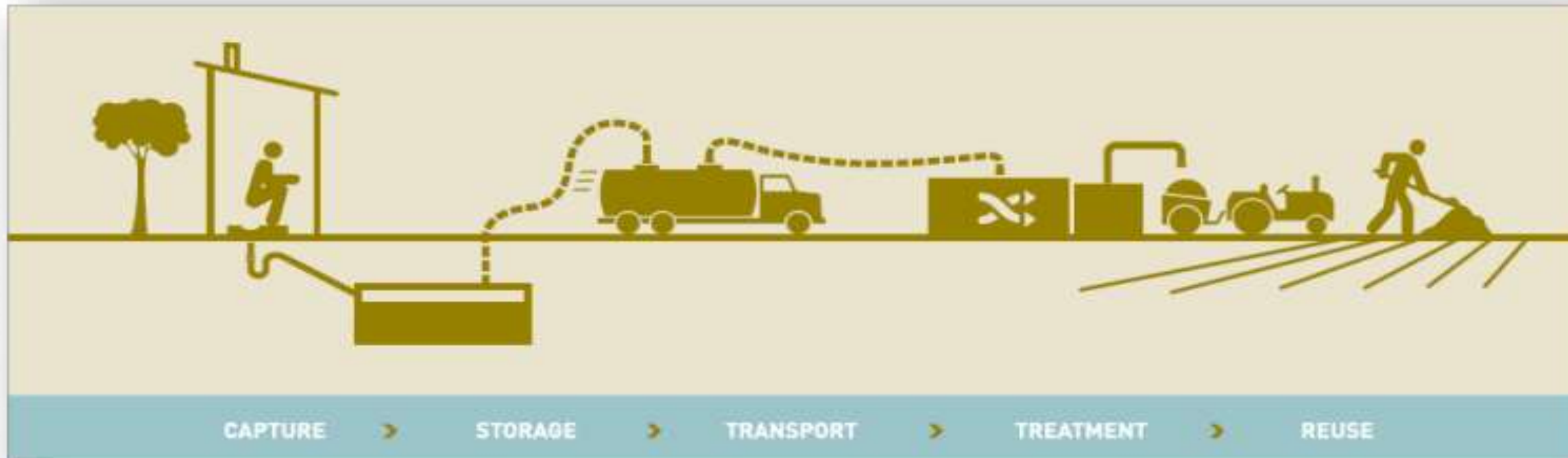




OUTLINE OF THE PRESENTATION

- The sanitation value chain
- Capture- User interface
- Storage- Containment
- Transport- Collection and Conveyance
- Treatment
- Faecal Sludge Treatment Plant (FSTP) model
- Disposal & Reuse
- Queries

THE SANITATION VALUE CHAIN



USER INTERFACE

OPEN DEFECATION



SAFE TOILET USAGE

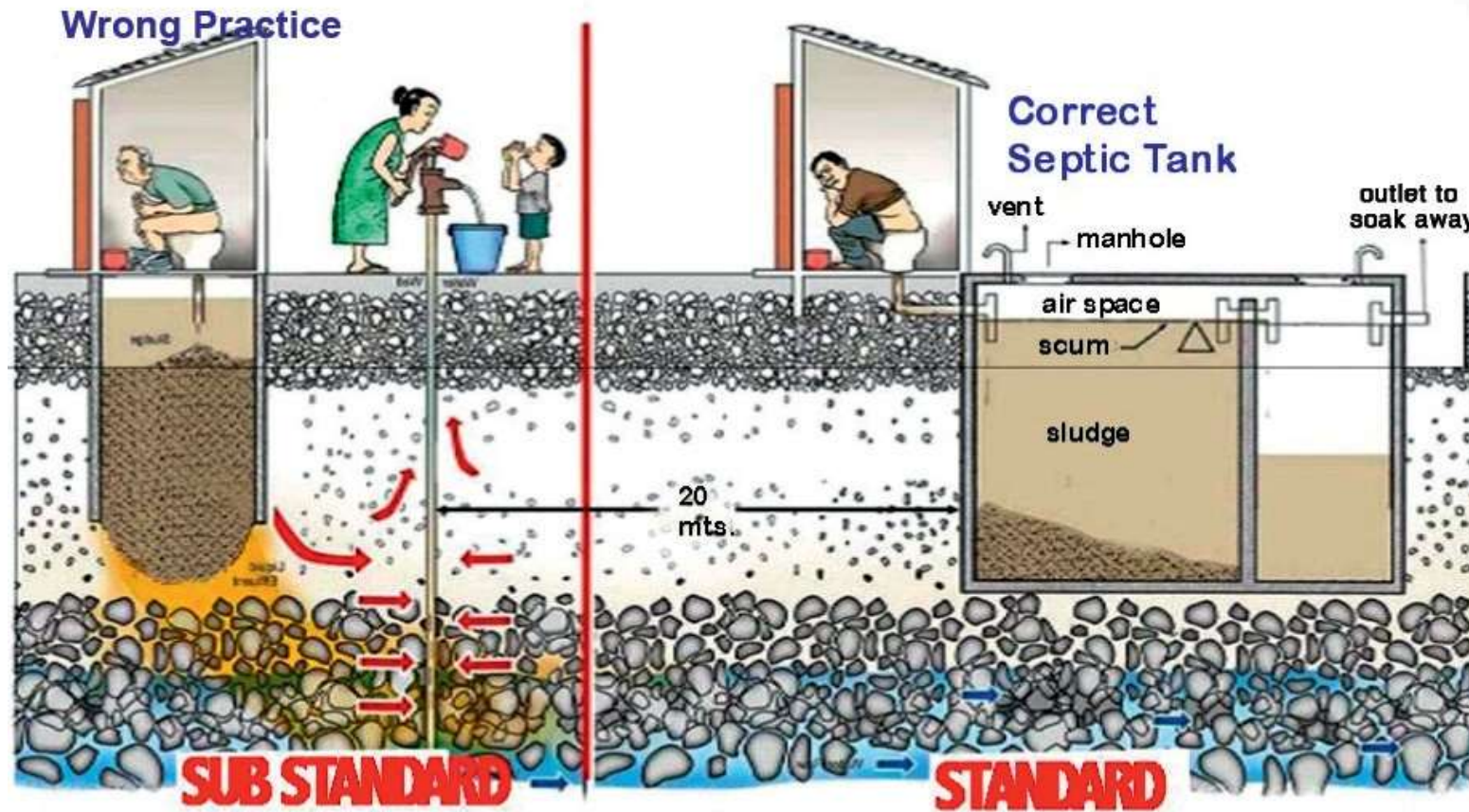


PUBLIC/COMMUNITY TOILETS

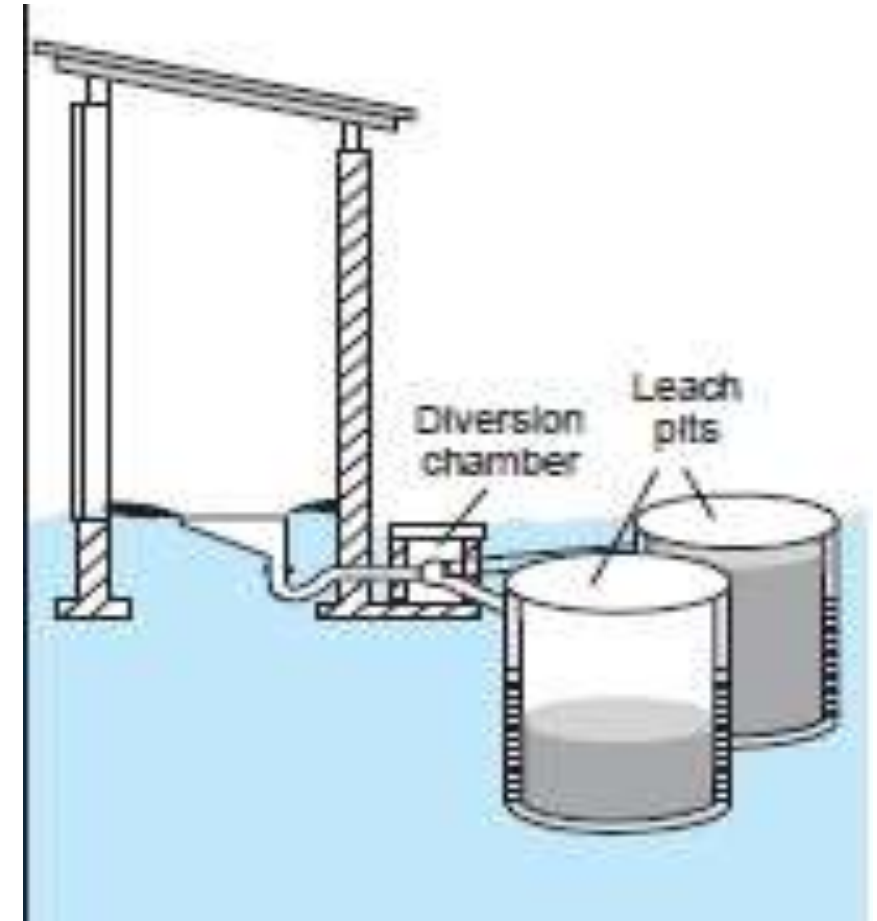
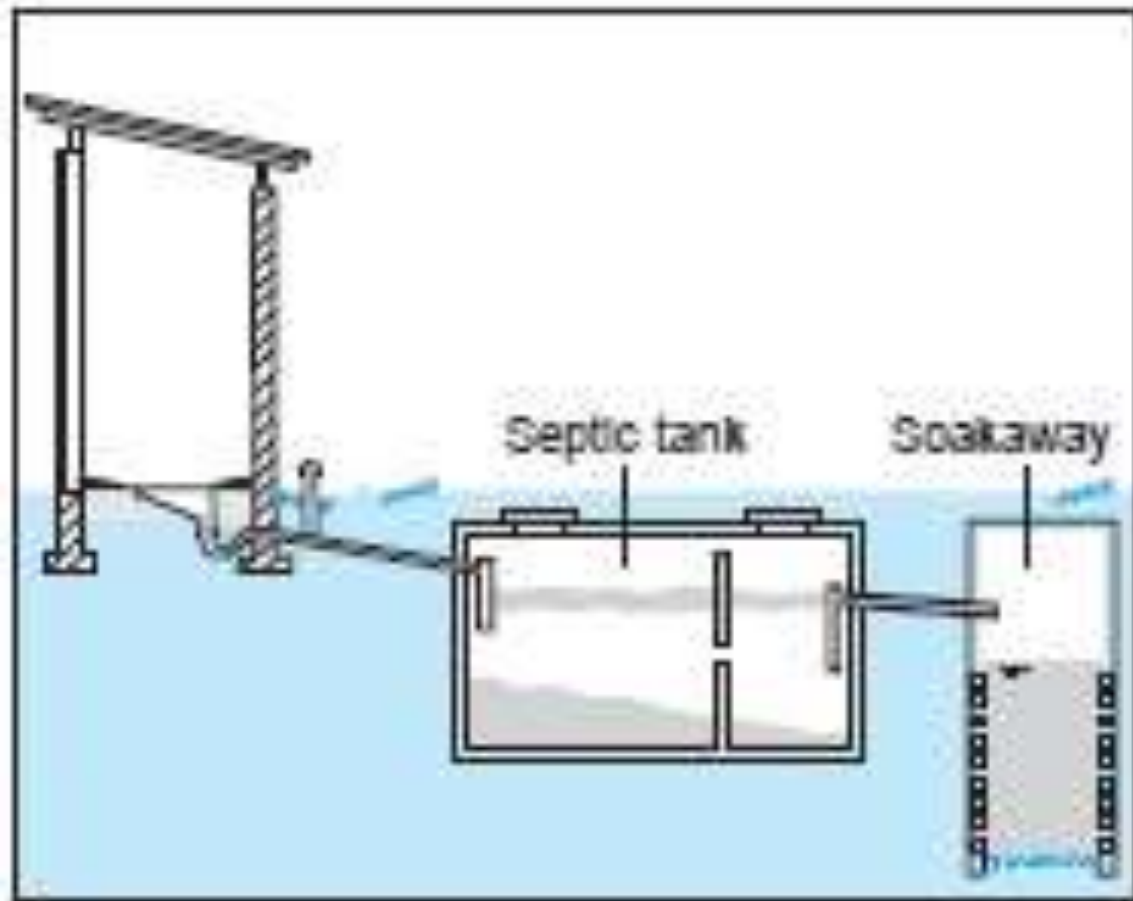
INDIVIDUAL HOUSEHOLD TOILETS



CONTAINMENT



TYPES OF SAFE SANITATION



COLLECTION AND CONVEYANCE

MANUAL SCAVENGING

The Employment of Manual Scavengers and Construction of Dry Latrines (Prohibition) Act, 1993

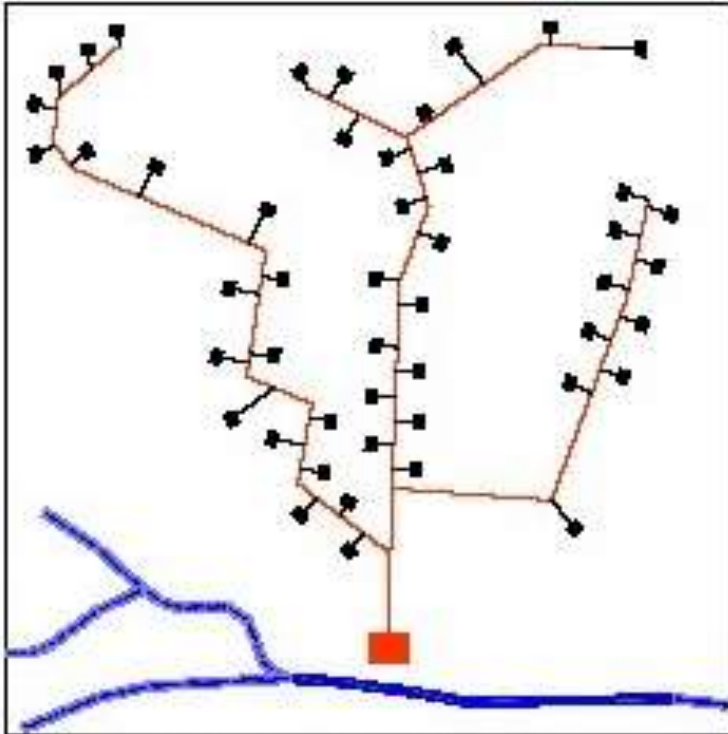


SAFE DESLUDGING

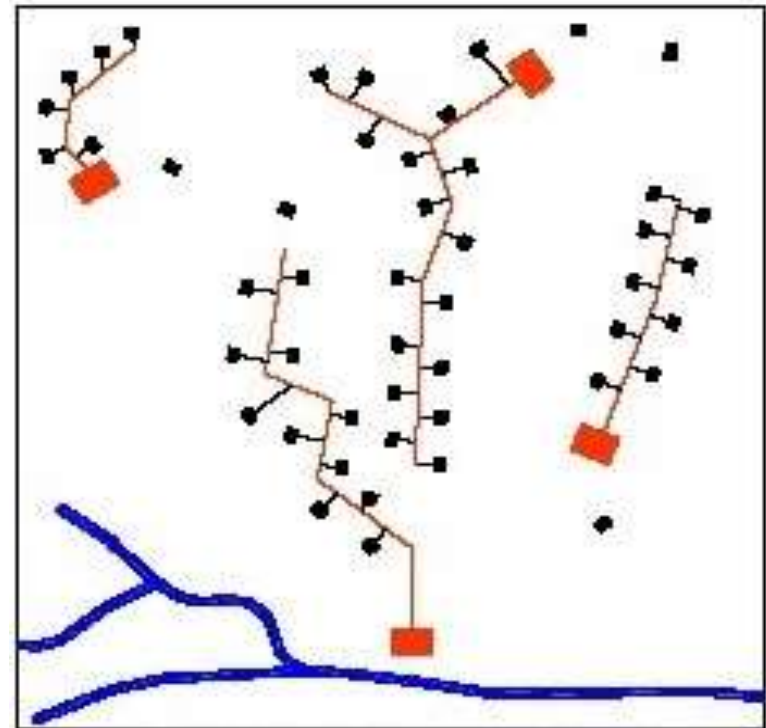


TYPES OF TREATMENT SYSTEM

CENTRALISED TREATMENT SYSTEM

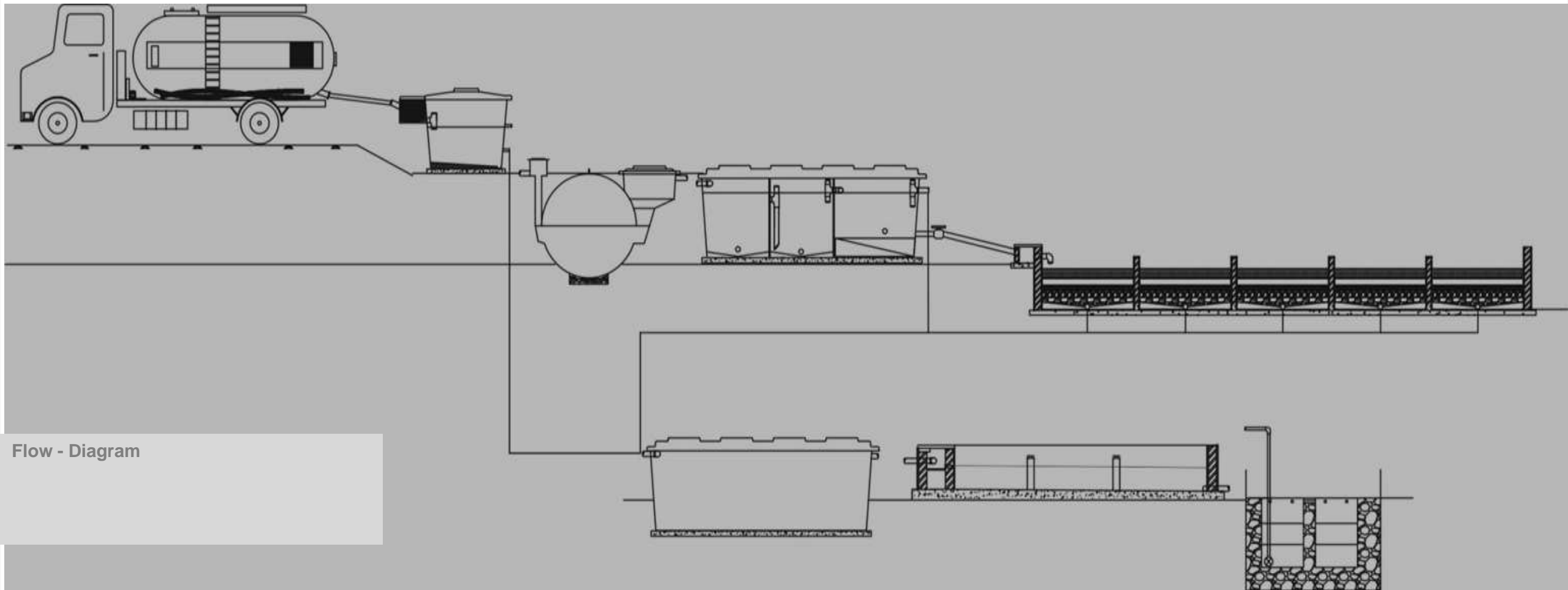


DECENTRALISED TREATMENT SYSTEM





PROPOSED FSTP – DEWATS MODEL FOR TWO TOWN PANCHAYATS





BENEFITS OF PROPOSED FSTP

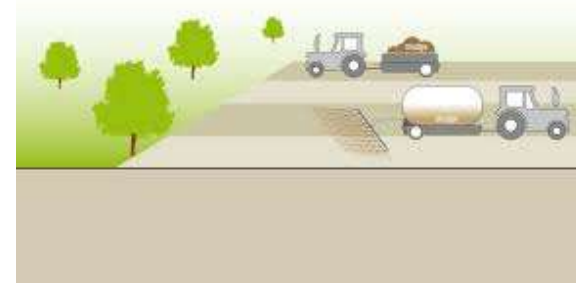
- The FSTP can treat upto 22,000 lit/day of fecal sludge
- The sludge operators will be benefited
- Illegal dumping of septage will be prevented
- A population of 50,000 will be catered through this FSTP
- Direct disposal of septage into agricultural land will be reduced
- Potential market generation for treated wastewater and co-composted sludge

DISPOSAL & RE-USE

CURRENT PRACTICE



SAFE PRACTICE



Composted sludge

Treated water



QUERIES





Thank You!