

Presentation On

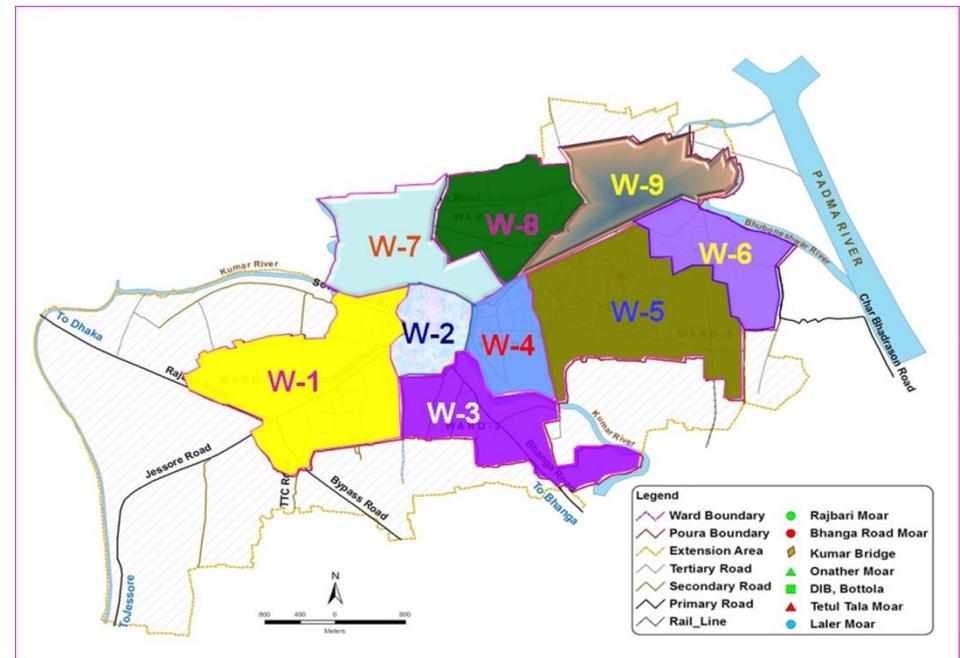
PPP for Sustainable Sludge Management Services in Faridpur, Bangladesh

**Supported by
Bill & Melinda Gates Foundation and UK-Aid**

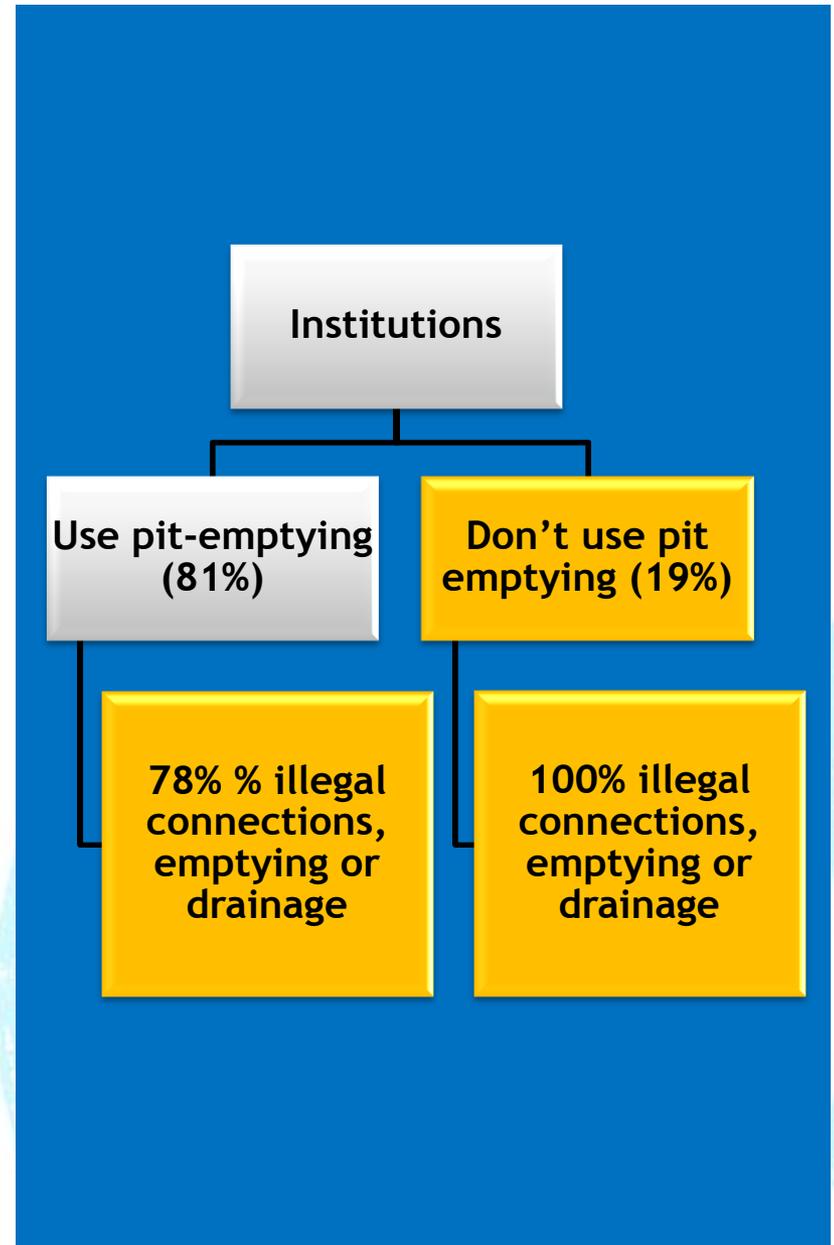
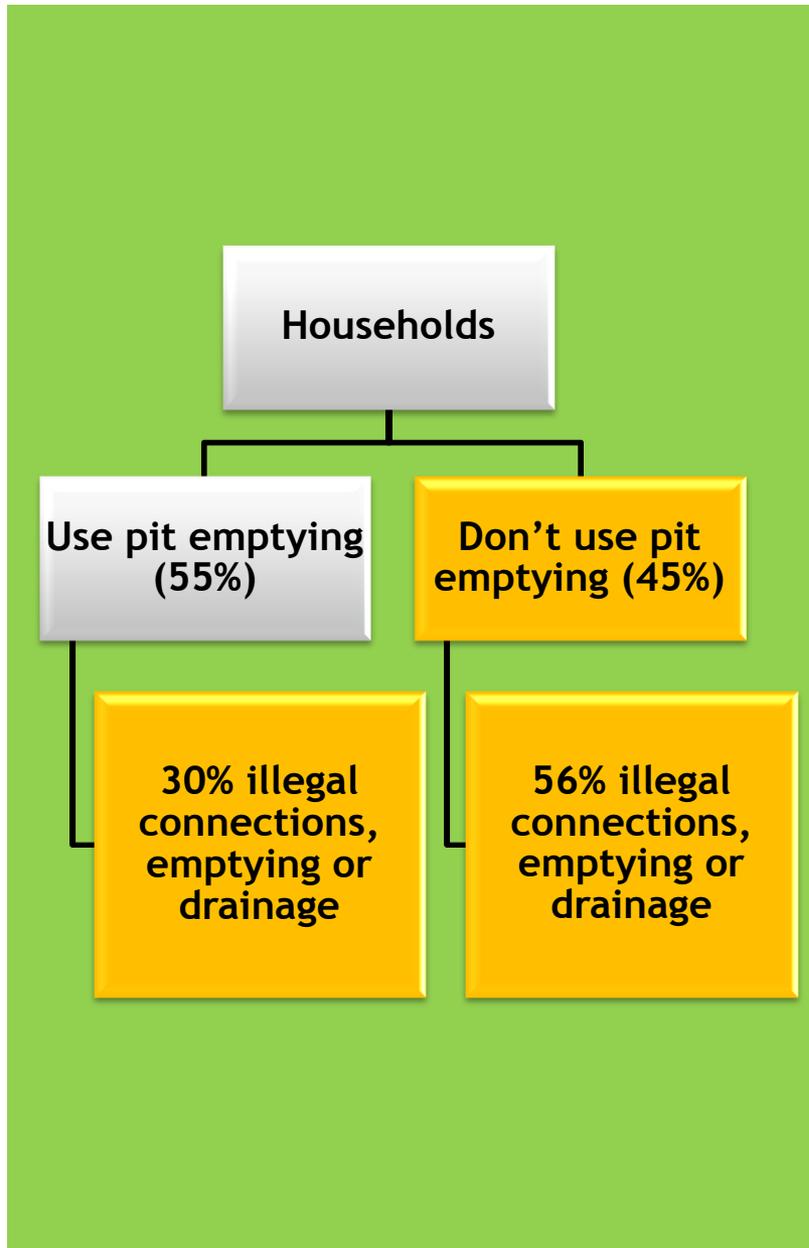


At a Glance of Faridpur Poushava (Municipality)

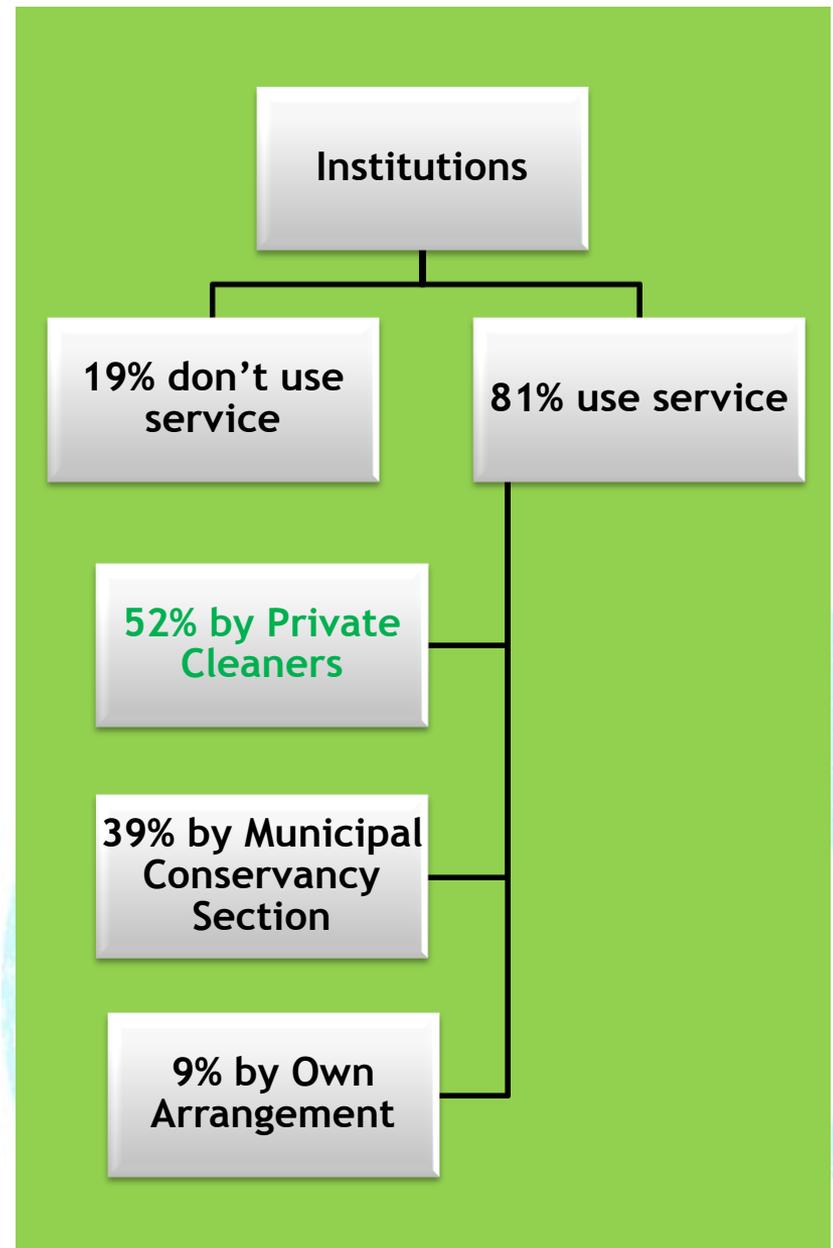
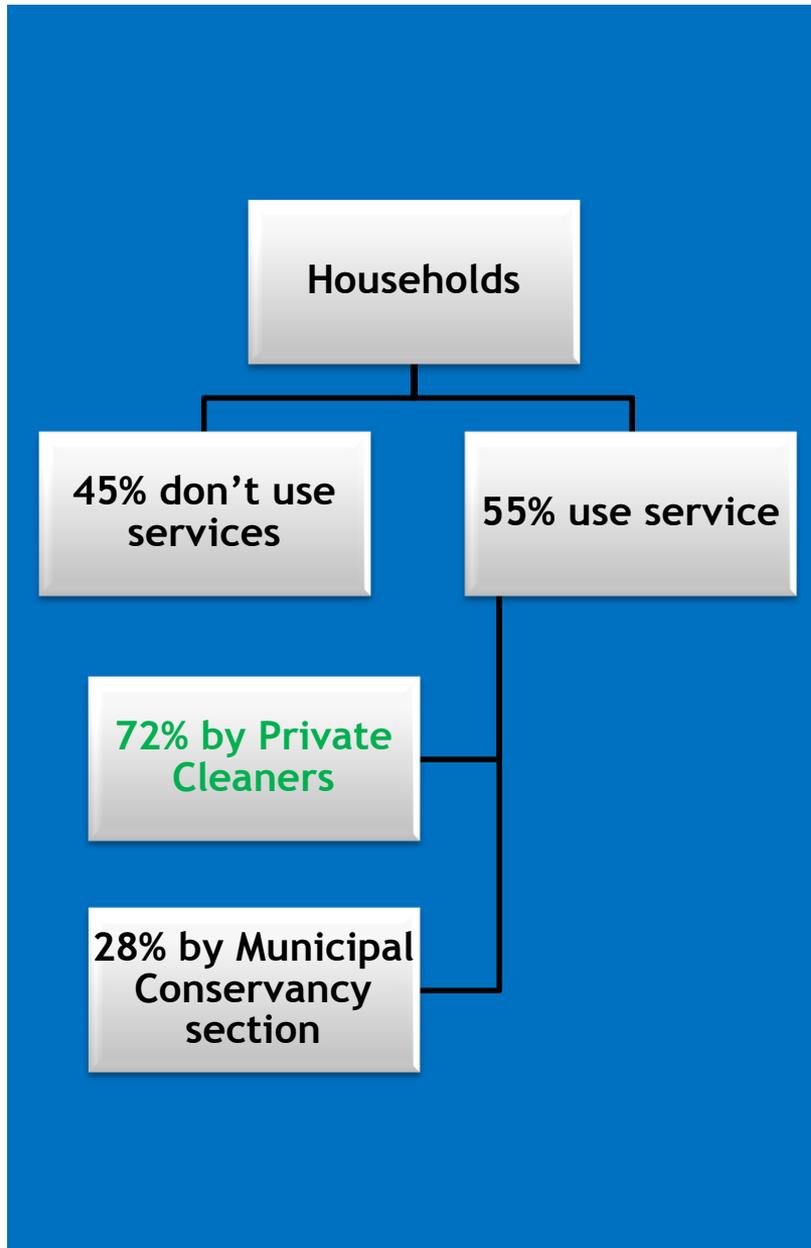
- ✓ Area - 17.38 sq.km;
- ✓ Total Population - 147,000
- ✓ On the banks of Padhma River
- ✓ 45 % poor



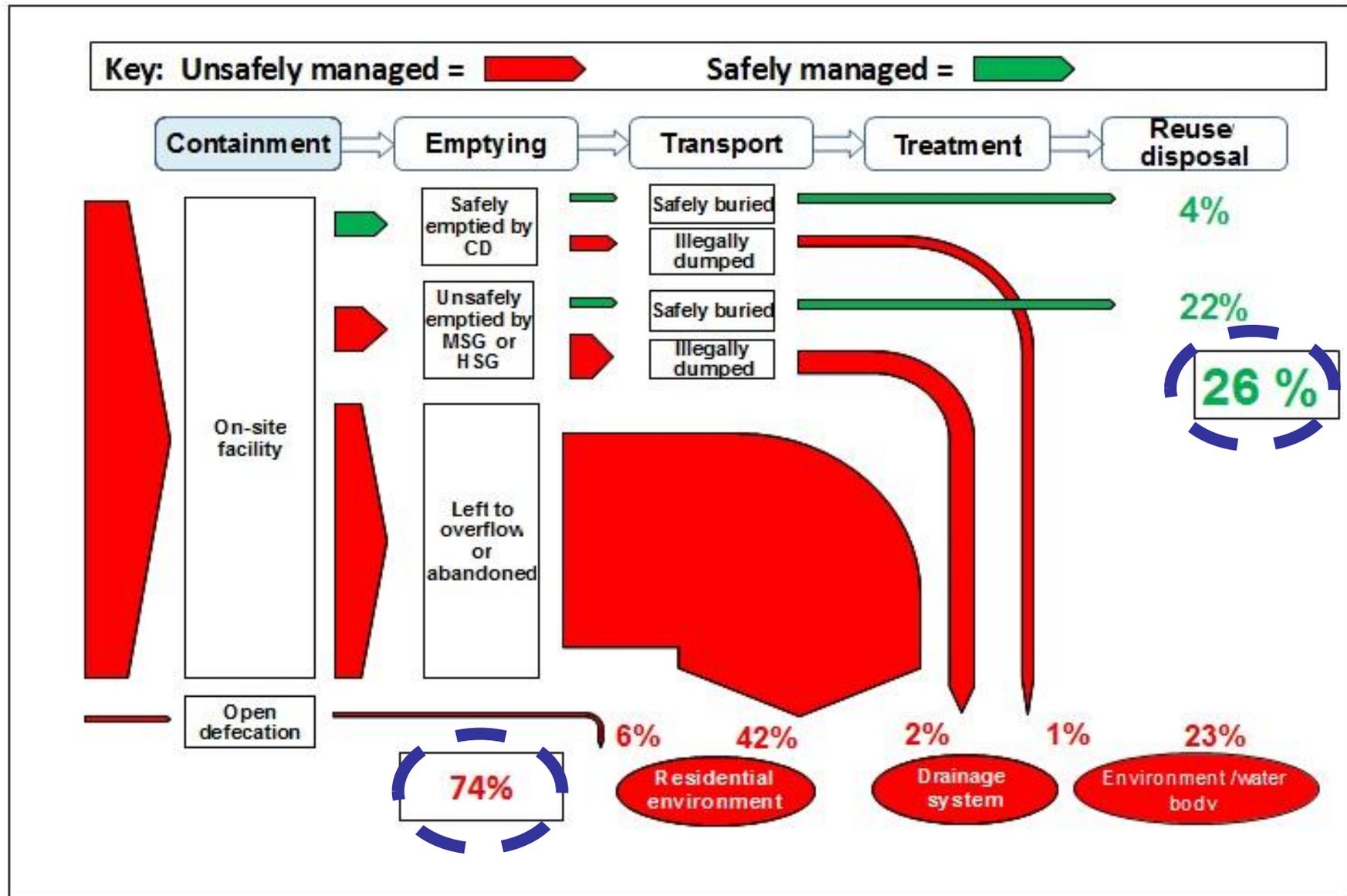
Management of on-site sanitation



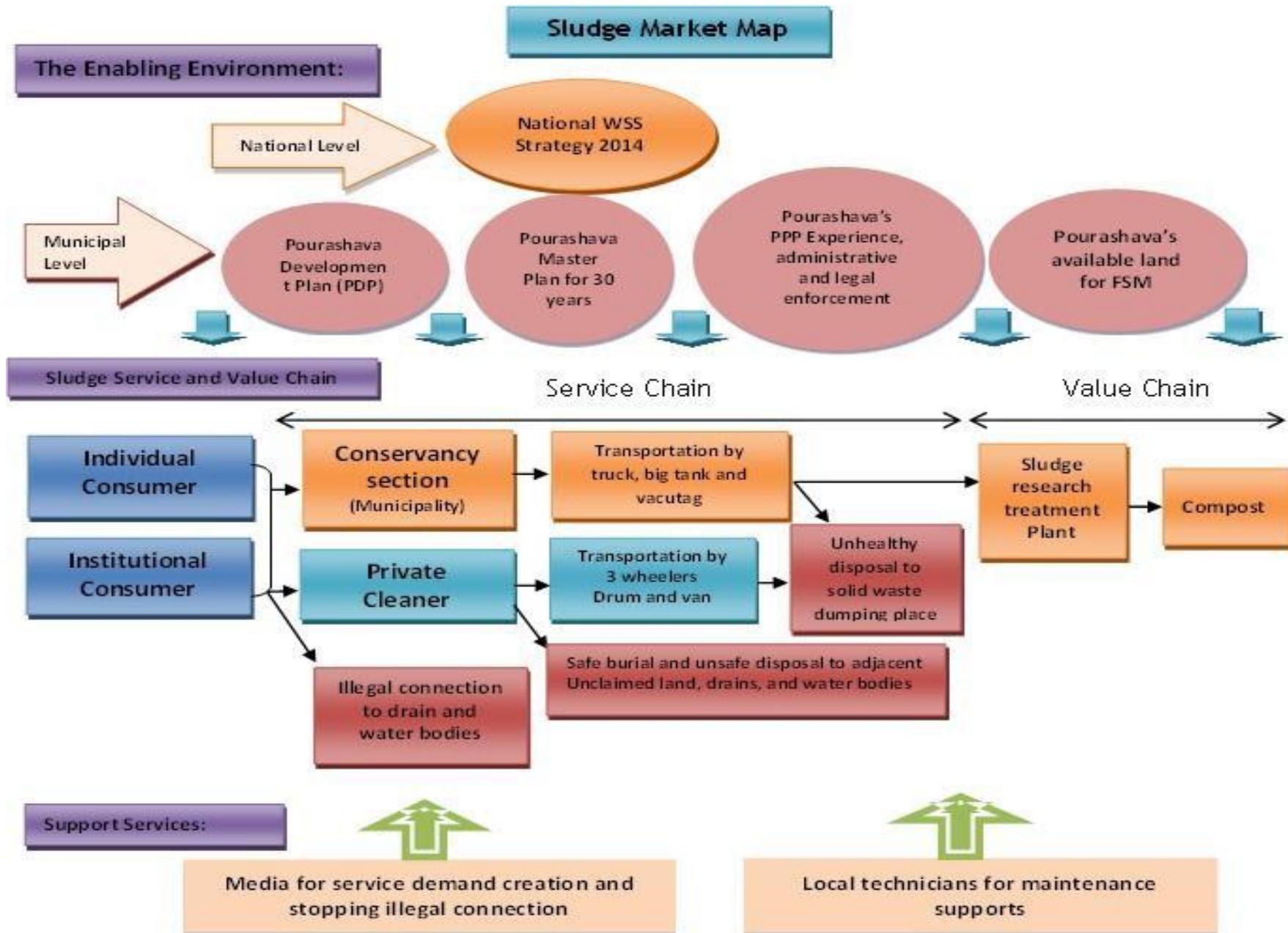
Preference of Service Users



Overall Management of FS

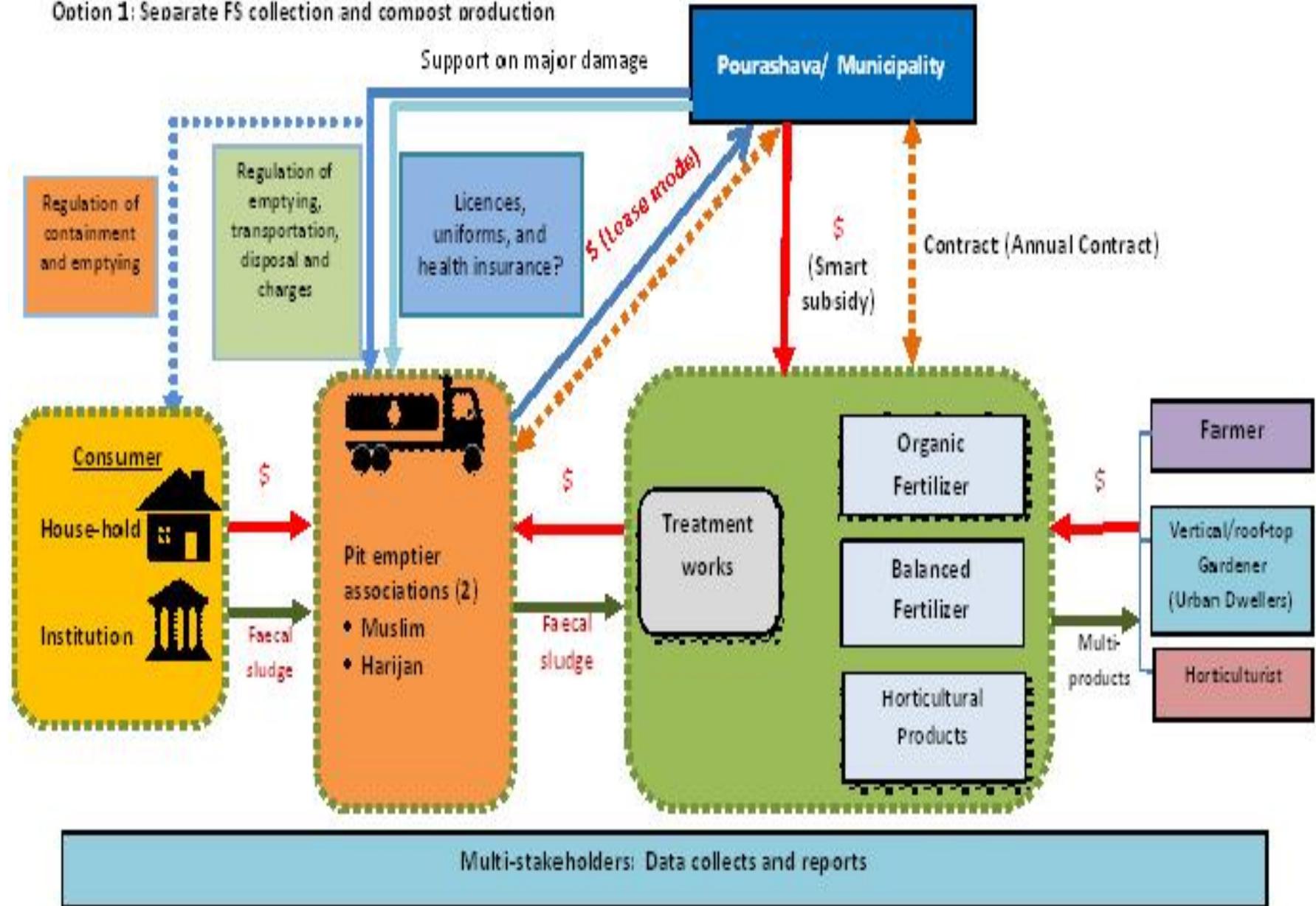


Sludge Market Map



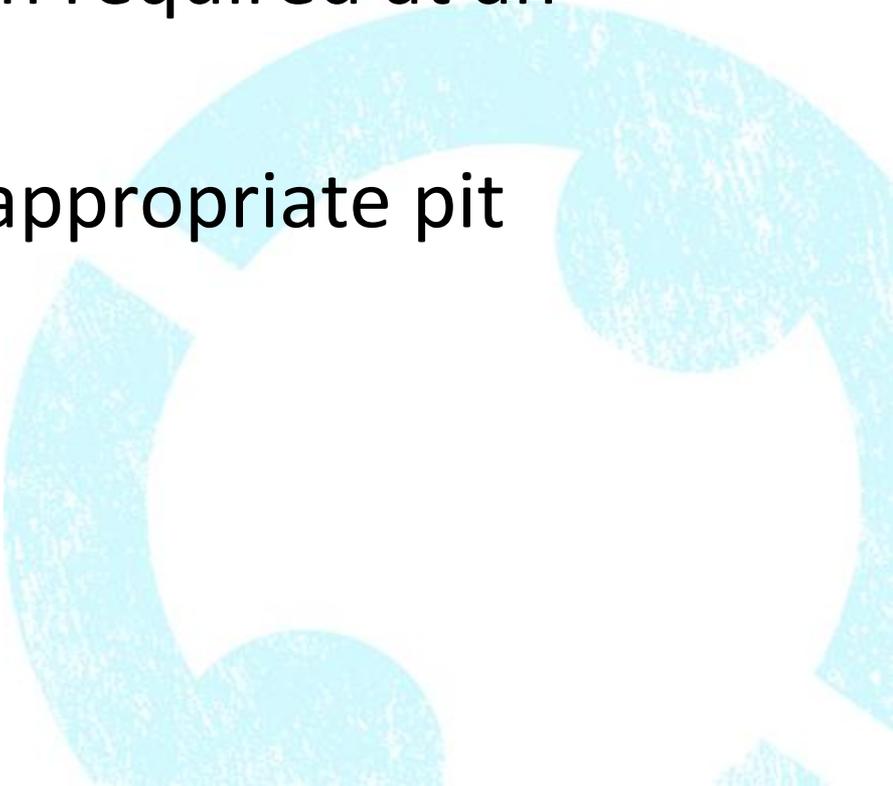
2 different service level agreements

Option 1: Separate FS collection and compost production



Pit emptying associations' service level agreement

Performance indicators

- **Primary:** Regular emptying of domestic sanitary facilities when required at an affordable price
 - **Secondary:** Safe and appropriate pit emptying
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Plant operations service level agreement

Core performance indicator

- Maximize volume of waste safely processed

On scale-up: Bidding criteria

- Maximize the efficiency of the composting process and ensure a safe marketable product

Secondary performance indicator / regulatory measure

- Ensure pit emptiers are treated fairly and incentivized to deliver waste to the treatment works
- Ensure optimization of the treatment process

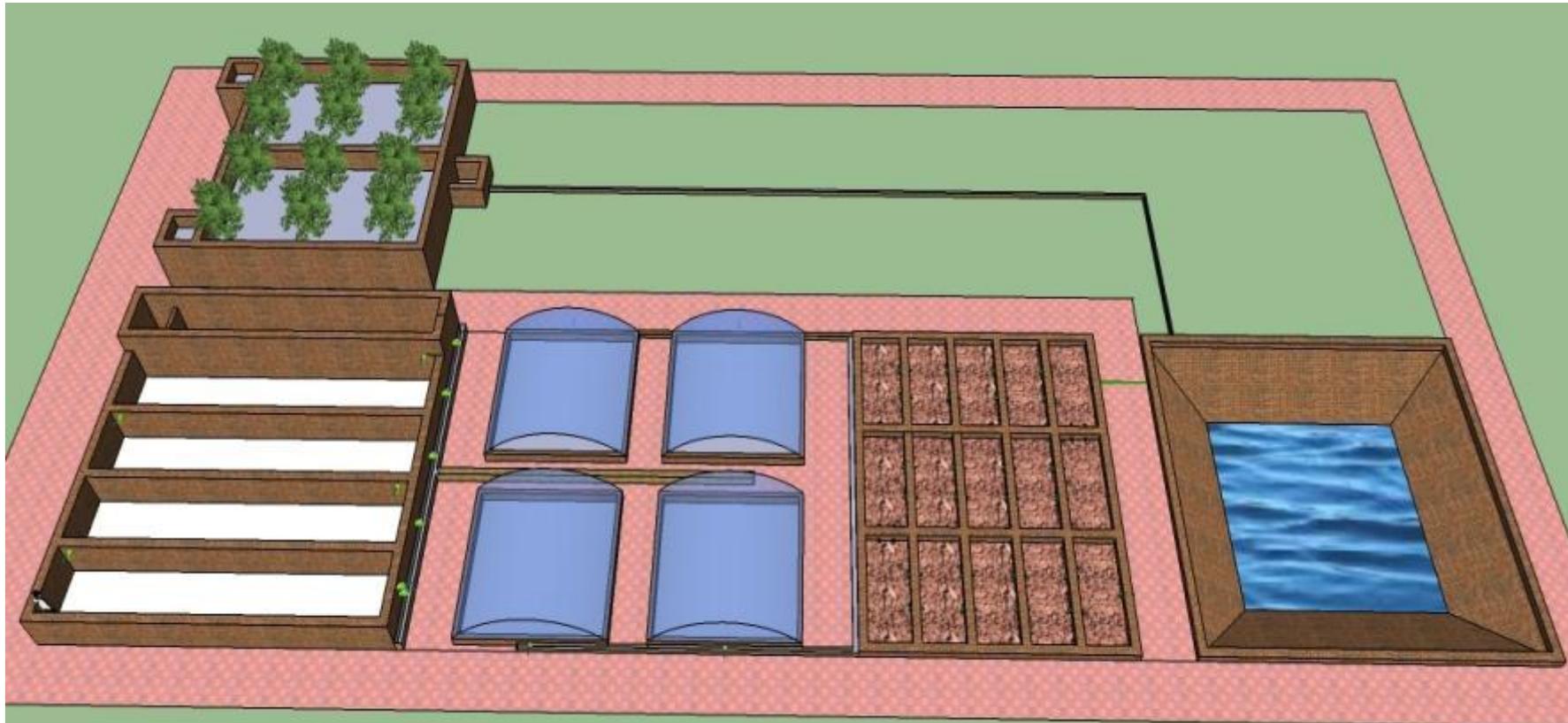
Module 1: Treatment Technology

Components of Unplanted Plant:

- Sedimentation Chamber
- Cess Pool
- Maturation Pond
- Sludge Drying Bed
- Treatment capacity 14 -35 c. m/day

Components of Planted Plant:

- Planted drying Bed
- Maturation Pond



Addressing unsafe on-site management

- ✓ Standardising containment design
 - ✓ Capacity development of fabricators and builders according to standards
 - ✓ Public awareness campaigns
 - ✓ Enforcement
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National Capacity and Sectoral Coordination

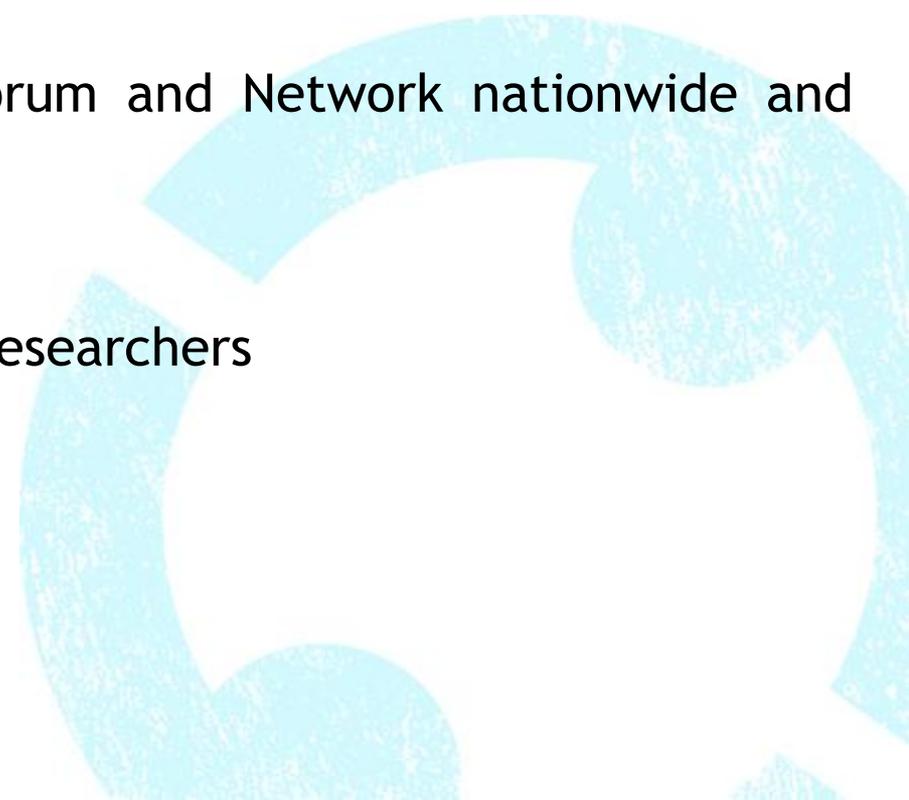
- ✓ Development of National FSM regulatory framework and action plan (covering large cities and secondary towns)

(with Policy Support Unit of Ministry of Local Government)

(Partnership with DSK and ITN-BUET)

- ✓ Formation of national Sludge Forum and Network nationwide and supporting initial operations

- ✓ Partnership with universities for researchers



Thank You

