



# Developing a city-level FSM capacity building programme

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# Sanitation Capacity Building Platform (SCBP)

## What is it?

Collaborative effort orchestrated by NIUA to support ULBs by providing the expertise of a variety of sanitation and capacity building organizations in India to support and build their capacity to plan and implement decentralized sanitation

We have sanitation challenges!

ULB

We can help you!



# The first function of **SCBP** is to understand **City (ULB) Needs**

Assess city needs

Develop capacity building program

Coordinate with partners

Provide customized capacity building activities

Monitor the progress



ULB



## India Outline Map

Blank Outline Map of India

Hajipur

400,146

Bhagalpur

412,209



We started in 6  
initial Indian cities  
from 3 states:

**Bihar**

Uttar Pradesh  
Andhra Pradesh



# India Outline Map

Blank Outline Map of India

**Unnao**  
177,658  
**Ghazipur**  
121,020



We started in 6  
initial Indian cities  
from 3 states:  
Bihar  
**Uttar Pradesh**  
Andhra Pradesh



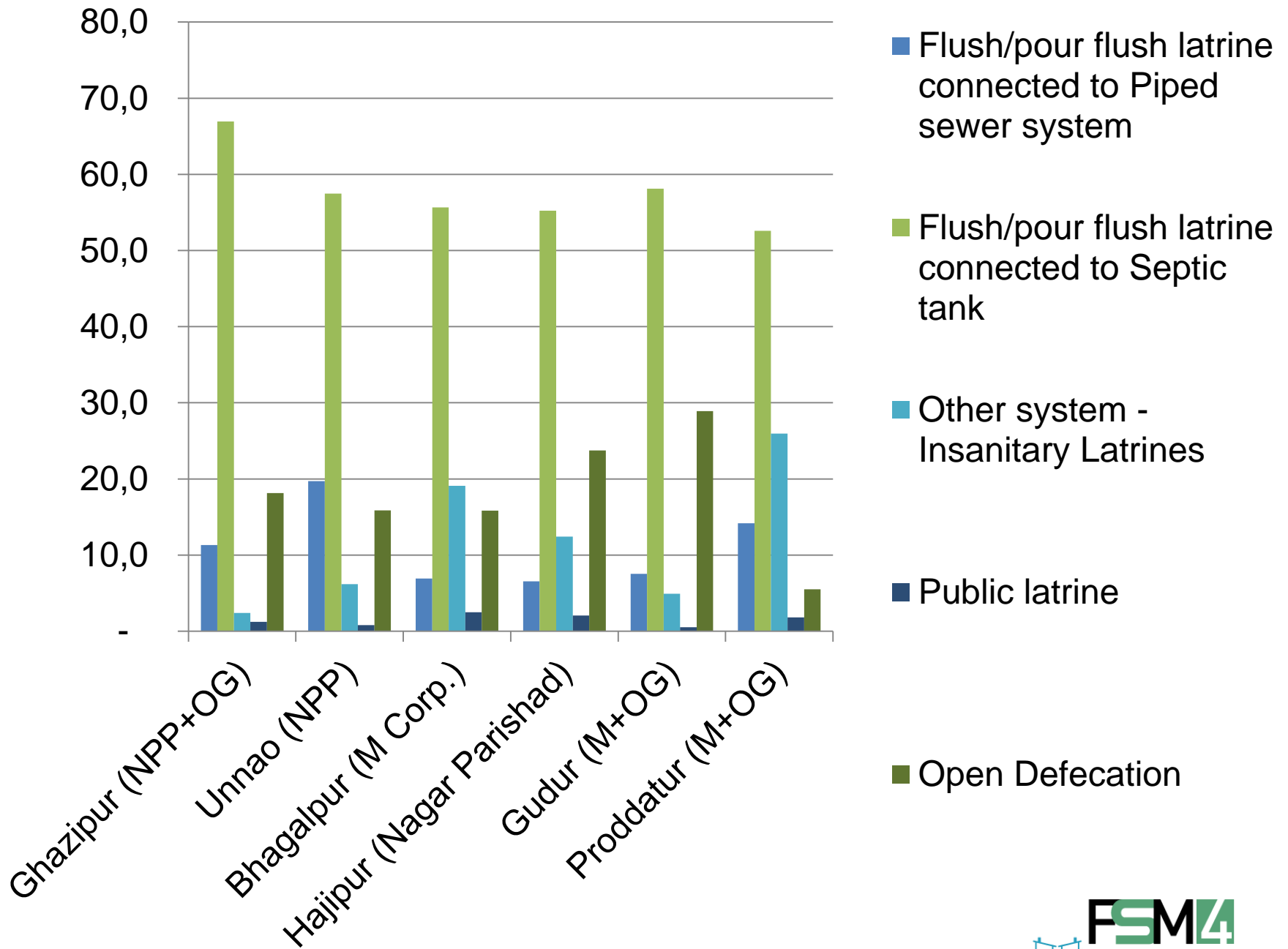
# India Outline Map

Blank Outline Map of India

We started in 6  
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Bihar  
Uttar Pradesh  
**Andhra Pradesh**

**Proddatur**  
163,970  
**Gudur**  
147,688





# Objective is...

...to determine capacity gaps--specifically around managerial, technical, financial, and institutional level capacities--of key stakeholders at the state- and city- level.

The key stakeholders were identified to be the following:

- State-level officials
- Commissioners and/or city level officials
- General municipal staff
- Health department staff
- Engineering department staff
- Sanitation system emptiers
- Masons/ Installers





# Process for Needs Assessment

## Survey Design

- 13 SFDs
- Reviewed State-level strategies and CSP
- Consult 8 SCBP partner organizations

## 9 Survey Tools

- State-level officials
- Commissioners or city level officials
- General municipal staff / Orientation meeting
- Health department
- Engineering department
- Masons/ Installers
- Emptiers

## State & City Visits

- 9 visits in Bihar, Uttar Pradesh & Andhra Pradesh

## Challenges & Limitations of State/City Visits

- Attendance varied greatly
- Time was often delayed and shorter than planned
- Flow of people/representatives to and from meetings restricted interview/survey structure

## Lesson

Questionnaires to guide these initial discussions rather than restrict the exchange to only those questions on the template

## Benefit

Allowed us to adapt conversations to gather the most information possible within a short timeframe



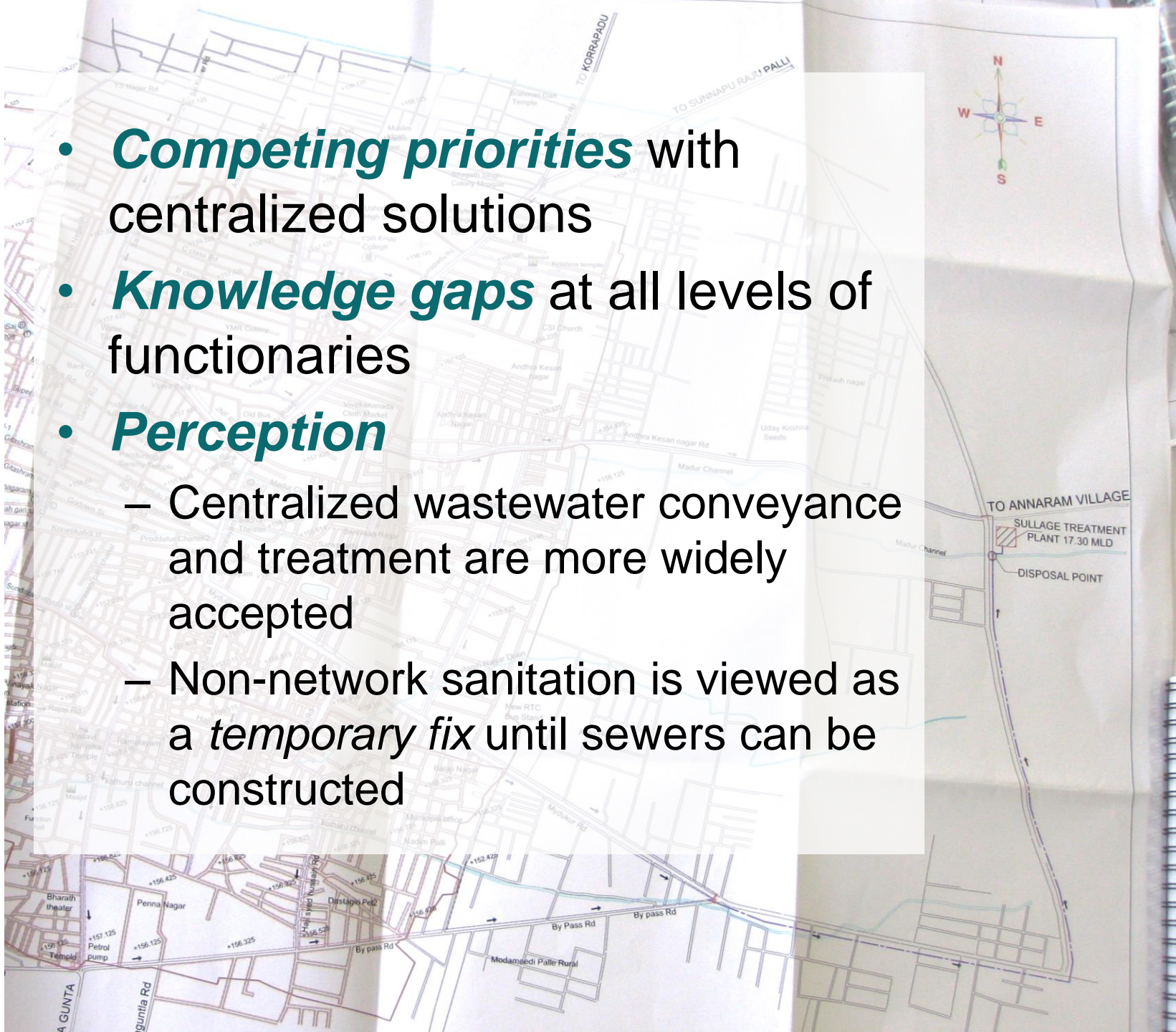


# Assessment Outcomes

1. Awareness
2. Technology
3. Governance & Regulation
4. Resource Limitations

# Awareness

- **Competing priorities** with centralized solutions
- **Knowledge gaps** at all levels of functionaries
- **Perception**
  - Centralized wastewater conveyance and treatment are more widely accepted
  - Non-network sanitation is viewed as a *temporary fix* until sewers can be constructed



- Preference for ***centralized wastewater collection and treatment*** (STPs)
- ***Limited design capacity and examples of successful Fecal Sludge Treatment Plants*** (FSTPs) in operation
- ***Onsite sanitation system installation & management is variable*** and does not follow standards



# Governance & Regulation

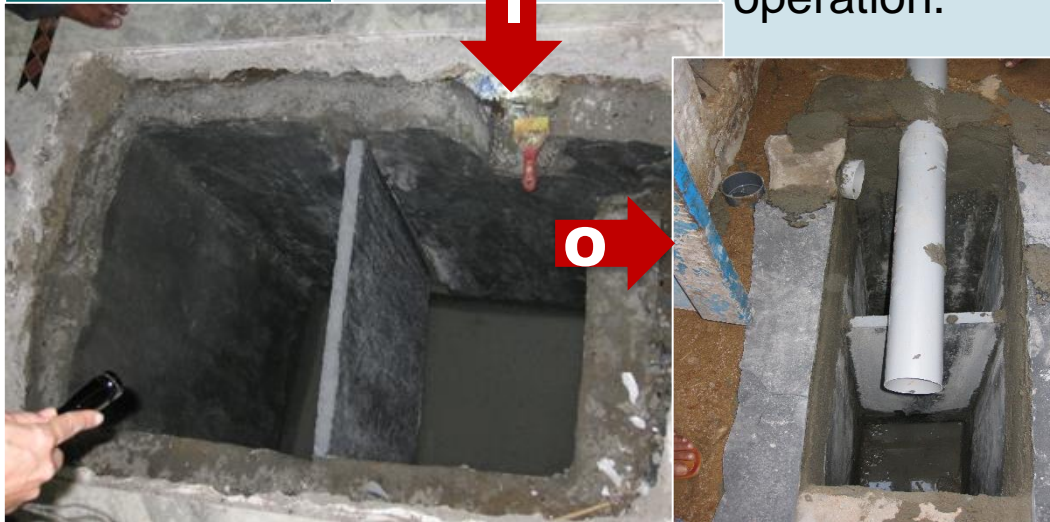


- **Financial instability** at the ULB
- **ULB capacity and staff turn over**
- **Limited ownership**
- **No enforcement** of septic tank/pit design standards
- **No regulation** for emptying, conveyance and treatment

- *Land availability*
- *Limited ULB staff*
- *Limited finance*
- *Limited data*
  - Unknown number and on number and type of storage facility,
  - Unknown frequency of septic tank emptying

# Findings & Recommendations at Stakeholder Level

Stakeholder Group	Challenge/Gap	Description	Recommendation
System Emptiers, Installers & Masons	Onsite Sanitation Technology Management	Lack of incentives for proper construction and system operation.	<ul style="list-style-type: none"> <li>• Trainings/workshops to target masons and installers to ensure the proper installation</li> <li>• Financial models to incentivize homeowners to use legal services and incentivize emptiers to dump in the appropriate facilities</li> </ul>





# Findings & Recommendations at Stakeholder Level

Stakeholder Group	Challenge/Gap	Description	Recommendation
<b><i>State-level, Commissioners &amp; City-level officials</i></b>	FSM Motivation/ Interest	City Commissioner was not interested in FSM	<ul style="list-style-type: none"> <li>• Behavior change activities</li> <li>• More information/examples are needed to illustrate how FSTPs and STPs can complement each other; several strategies can be employed at a city level to achieve complete sanitation coverage</li> </ul>



# Focus of SCBP Moving Forward...

- Customize capacity building program tailored to stakeholder group
- Coordinate partners to provide in depth diagnostics and resulting capacity building activities to address gaps
- Establish state-level anchor agency for regular FSM programming
- Develop social behavior change modules for FSM
- Make available design standards, established rules and regulation for undertaking FSM

# Thank You! Questions?



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# Appendix



	Bhagalpur	Hajipur	Unnao	Ghazipur
Estimated desludging cost per trip	INR 1600-2000 (municipality) INR 400-500 (owner/ private agency)	INR 1000-1500 (private agency)	INR 750 (municipality) INR 850 (private agency)	INR 1000- 2000
SBM status	HH survey to assess sanitation needs & access	Construction of single pit prefab concrete ring latrine (unlined bottom)	2380 applications received	Nothing started as of 12 August 2016
Land available for FSTP or DEWATs	Yes	Potentially; land is allocated for solid waste	Yes	Unknown