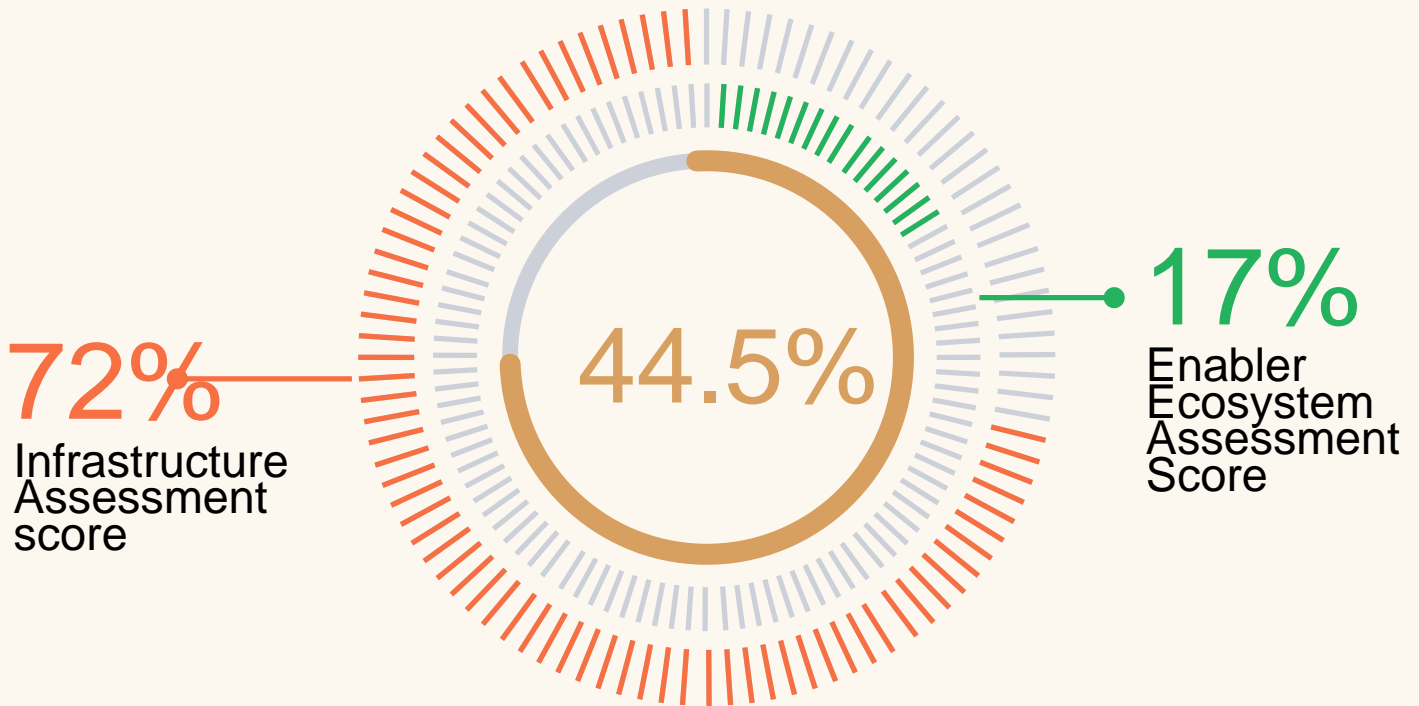


# City Assessment Report Chidambaram

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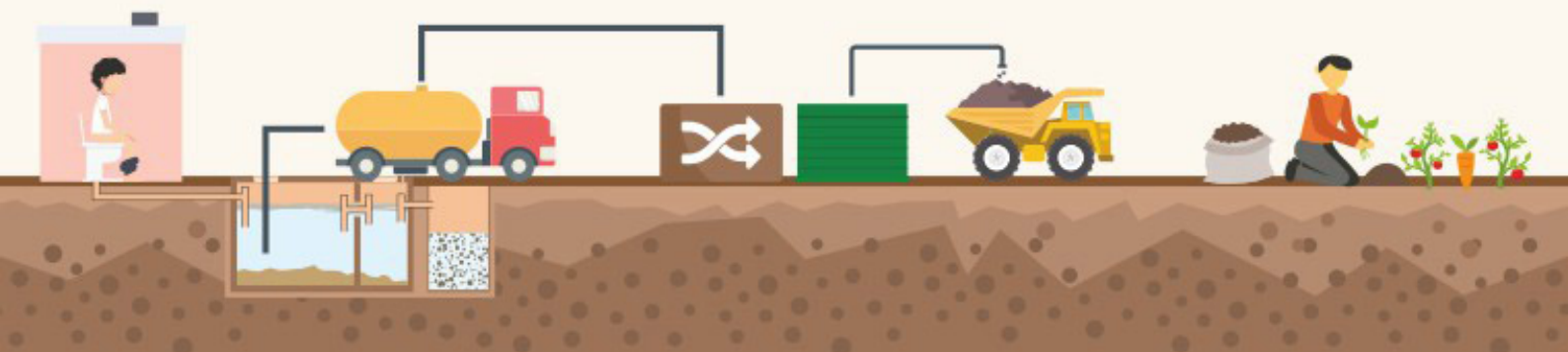


The FSM Index score indicates that the Overall FSM performance of the city is

## Developing

Scale: Poor 0-33% | Developing 33-66% | Good 67-100%.

The FSM infrastructure of the city requires improvement with a focus on - containment systems, desludging and transportation services in the city. The enabler ecosystem assessment score indicates need for improvement in aspects of - defining service targets, public finance commitments, quality of FSM services, demand generation, programmes for sector development and overall quantity of FS safely managed across the value chain.



# City Assessment Report: Chidambaram

*26 Apr 19*

**Produced By:** Anusuya, Oli, Chidambaram, Tamil Nadu, India.

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Source: The FSM Toolbox.

**[www.fsmttoolbox.com](http://www.fsmttoolbox.com)**

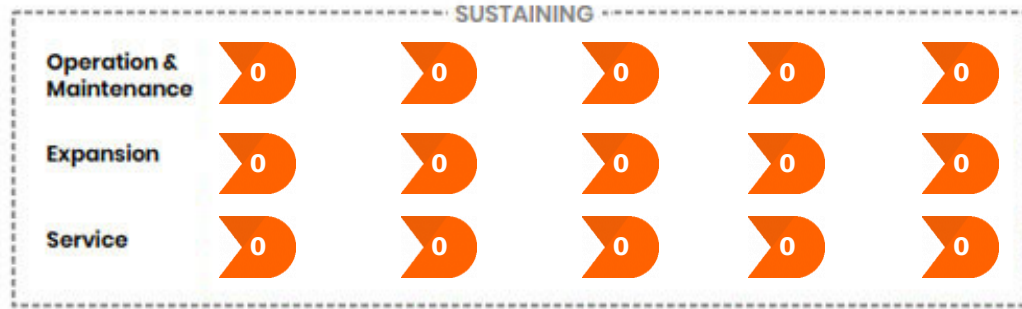
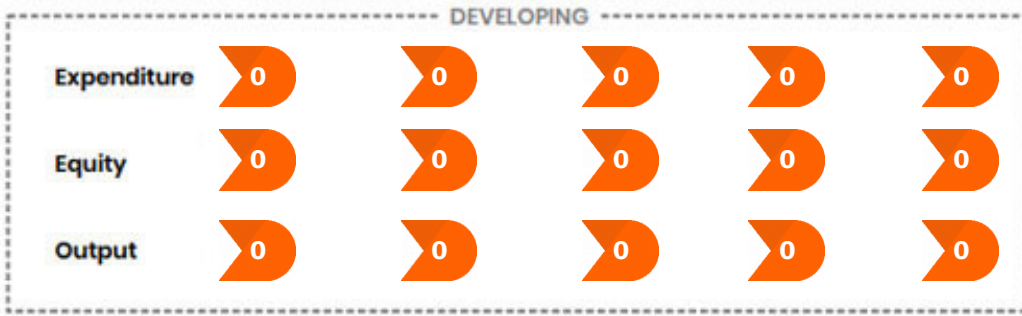
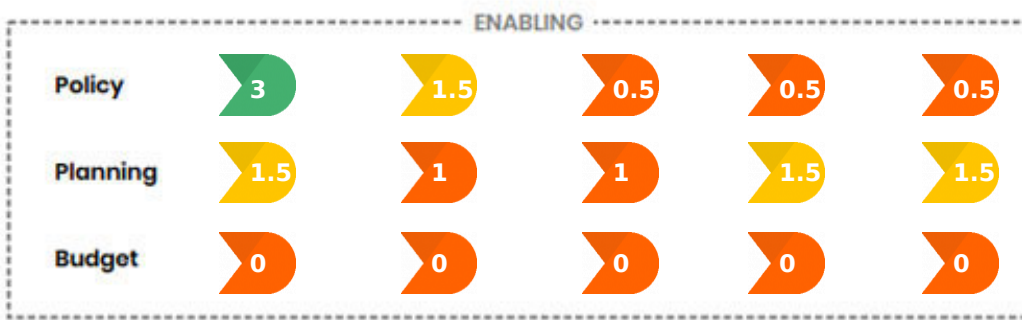


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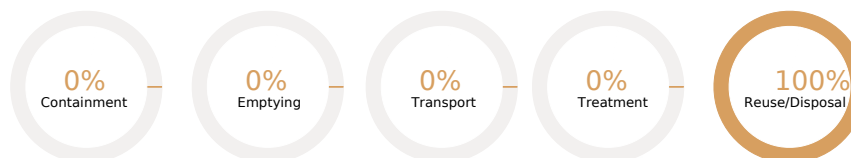
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# Overall Assessment Output

## Enabler Ecosystem Assessment



## Infrastructure Assessment



# Enabler Ecosystem Assessment



17/100

17%

Enabler Ecosystem Assessment Score

0.5

ENABLING

City Typology

0

DEVELOPING

0

SUSTAINING

- POOR
- DEVELOPING
- GOOD



ENABLING

Policy

3

1.5

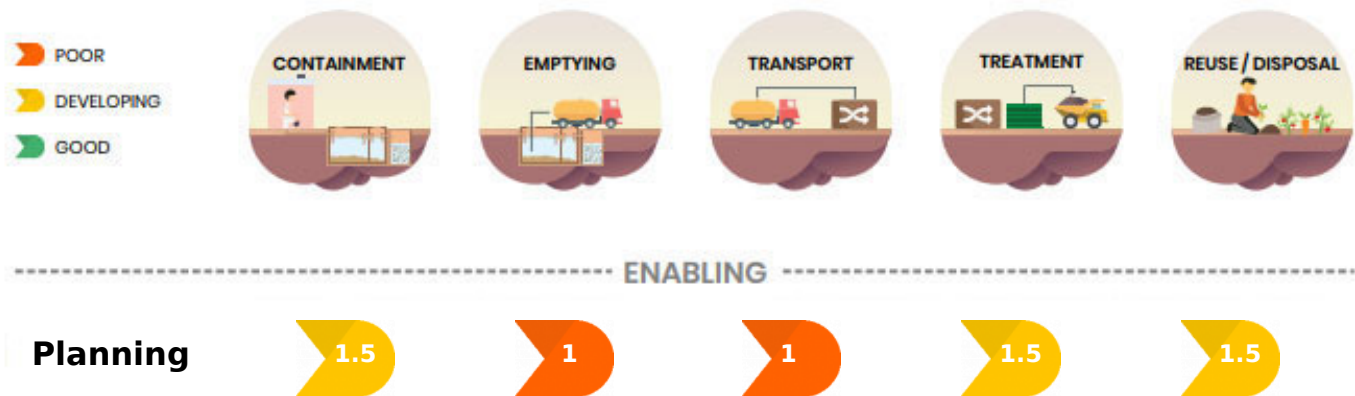
0.5

0.5

0.5

- Great to learn that the city has an appropriate and approved policy document acknowledged by all the stakeholders in the city **(Containment)**
- Good that you have taken the first step towards development of the policy document. Present the draft policy document among the core stakeholder, solicit feedback from the core group, refine and publish the policy document widely. **(Emptying|Treatment)**
- Currently there is no policy document for FSM operation in your city. Creation of a policy document is an important step towards establishing safe FSM operating model in the city. **(Transport|Reuse/Disposal)**
- Great to learn that the city has clearly defined and operationalized institutional roles **(Containment)**
- Encourage / enforce the stakeholders to operationalize defined institutional roles **(Emptying|Transport)**
- Identifying the key stakeholders and demarcating roles and responsibilities among the group will enhance FSM service delivery across the city **(Treatment|Reuse/Disposal)**

- Great to learn that the city has established and enforced legal and regulatory mechanisms in the city **(Containment)**
- Though legal and regulatory mechanisms exist in your city, it is important to operationalize them effectively. Educate and encourage the ground officers about the pros of effectively operationalizing legal and regulatory systems in the city. **(Emptying|Reuse/Disposal)**
- Legal and regulatory mechanisms are the backbone for successful FSM implementation in cities. It is recommended that your city should take efforts to establish appropriate legal and regulatory mechanisms. **(Transport|Treatment)**



- Great to learn that the city has defined service targets as part of the FSM service chain in the development plan that is adopted at the city level  
**(Containment|Treatment|Reuse/Disposal)**
- No service targets are defined at the city level. Please engage with the relevant stakeholders and define service targets in a collaborative fashion. **(Emptying|Transport)**
- (|)
- Though FSM investment plan exists, it is important to comprehensively cover all aspects of FSM implementation such as HR needs, TA needs, etc. **(Transport)**
- Cities must have a dedicated development and investment plan for improvement of FSM situation in the city. It is recommended to engage with relevant financial experts to develop investment plan inline with the overall city FSM development plan of the city  
**(Treatment|Reuse/Disposal)**

-  POOR
-  DEVELOPING
-  GOOD



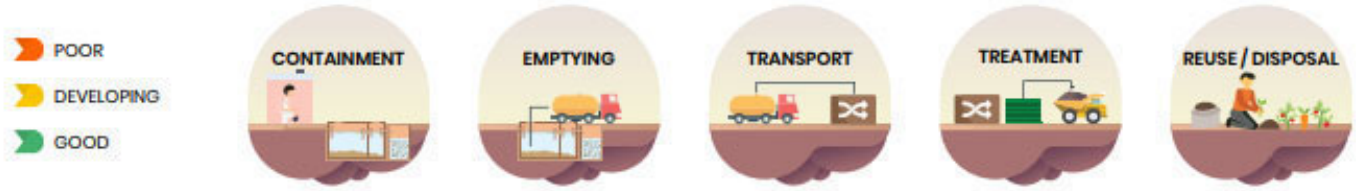
----- ENABLING -----

**Budget**



- (||||)





DEVELOPING

**Expenditure**



- (||||)

-  POOR
-  DEVELOPING
-  GOOD

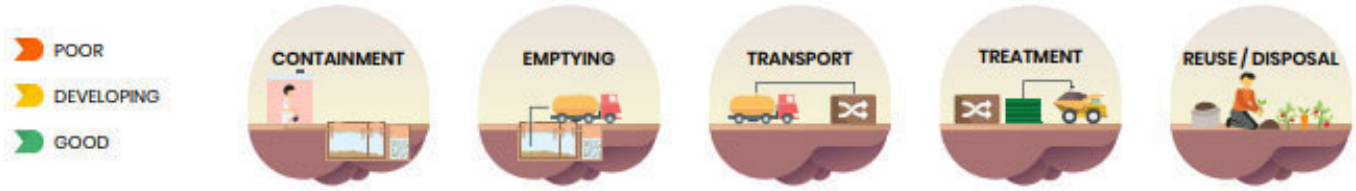


----- DEVELOPING -----

**Equity**



- (|||||)



DEVELOPING

Output



- (|||||)

-  POOR
-  DEVELOPING
-  GOOD



----- SUSTAINING -----

**Operation & Maintenance**



- (|||||)

-  POOR
-  DEVELOPING
-  GOOD



----- SUSTAINING -----

**Expansion**



- (|||||)



----- SUSTAINING -----

**Service**

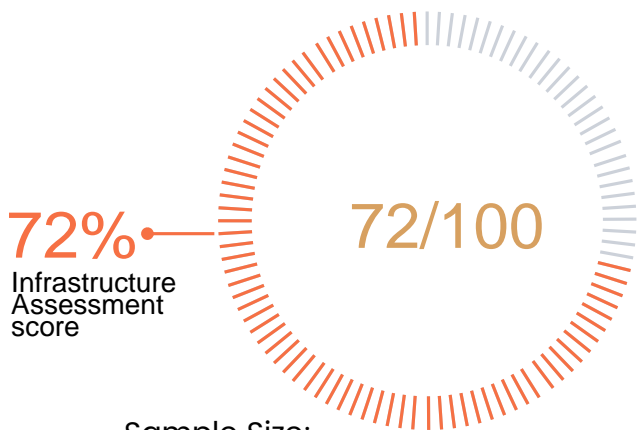


- (|||||||)

Over 75% of FS generated in the city is safely managed at the containment stage. The city should encourage households to improve the overall quality of containment systems in the city to meet environmental safety standards.	Over 75% of FS generated in the city is safely managed at the emptying stage. The city should enforce the desludging operators to adhere to global safety standards and educate them about personal health and hygiene.	Over 75% of FS generated in the city is safely managed at the conveyance stage. The city should enforce the desludging operators to strictly adhere to conveyance and disposal standards.	Over 75% of FS generated in the city is safely managed at the treatment stage. The city should ensure adherence of safe treatment standards in all treatment units installed in and around the city.	Over 75% of FS generated in the city is safely managed at the re-use/disposal stage. The city should educate/ensure safe disposal/re-use of treated by-products produced from the treatment plants operating in and around the city.
Just over 50% of FS generated in the city is safely managed at the containment stage.	Over 75% of FS generated in the city is	Just over 50% of FS generated in the city is safely managed at the emptying stage.	Over 75% of FS generated in the city is	Just over 50% of FS generated in the city is safely managed at the conveyance stage.

- It is great to note that hygienic FSM systems and services are affordable and readily available in low-income communities
- Hygienic FSM systems and services are available on a partial / piecemeal basis in low-income communities (or in some)
- Hygienic FSM systems and services are not available to any significant extent in low-income communities.

# Infrastructure Assessment



- 530,000 Households
- 30,140 Commercial
- 7,230 Institutional
- 784 Industrial
- 1,200 Community Toilets
- 145 Public Toilets

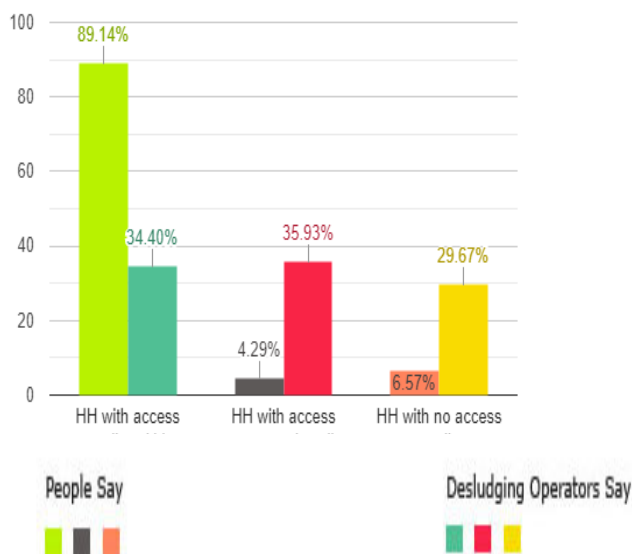
**Sample Size:**

The FSM Pro assessment was conducted in CityName with a city level/ward level/zone/division level sampled population. The sample was calculated with a confidence level of 95%. The table shown below is the sample size that was covered for arriving at the assessment report.



## Access to Toilets

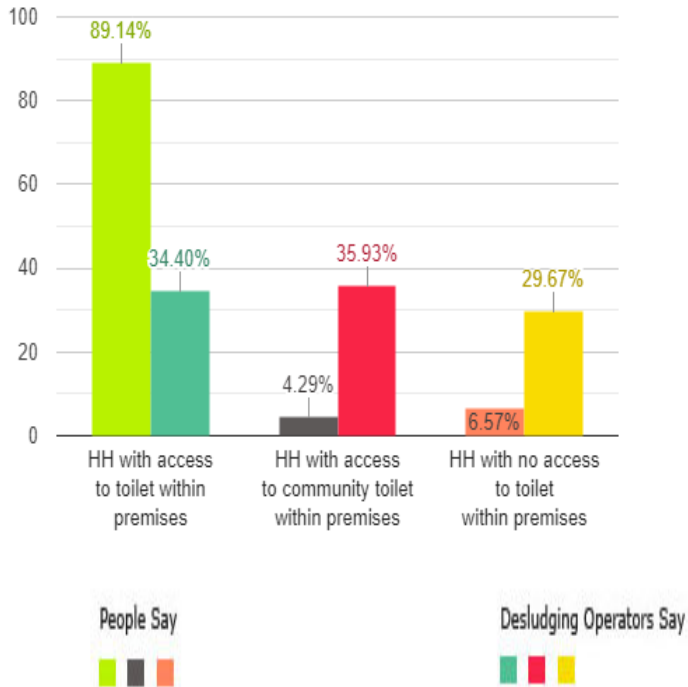
### Households



**Access to toilet by households**  
 Of the X1 households in the city, about 63% of households have access to household toilet facilities and about 54% of households have access to community toilets in their neighbourhood. The remaining 13% of households do not have access to any kind of toilet facility in the city. It is important for city governments to take initiative to improve the coverage of toilets across the city.

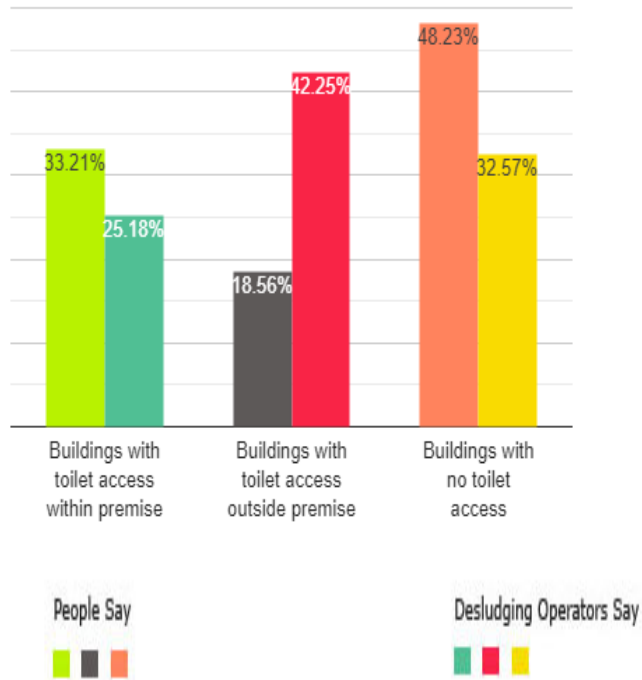
## Households

Access to toilet by CII buildings in the city. The commercial establishments, institutions and industrial properties are together classified as CII buildings. There are a total of 113 properties in this category in the city of Samneua. It is great to learn that 100% of buildings have access to toilet facility within their premises.





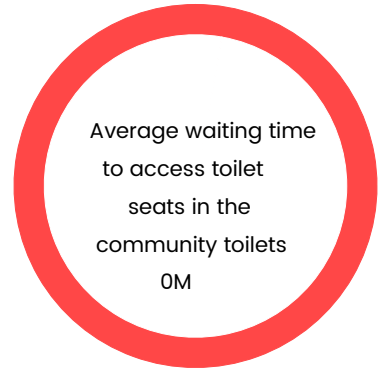
## Access to toilet - other buildings



## Community toilet seats - male / female (Required)



## Community toilet - ease of access

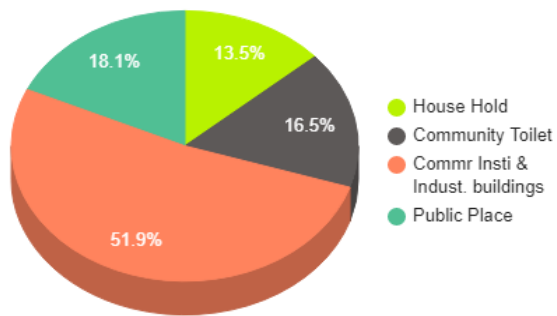
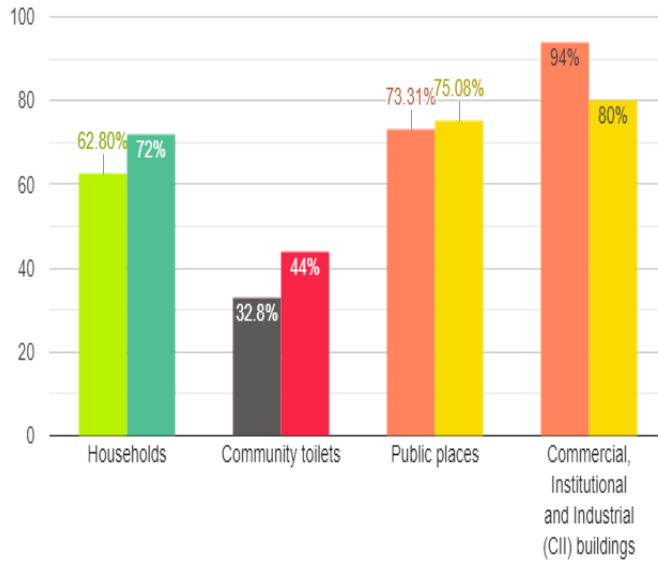


# Public toilet seats - male / female (Required)



## Types of oss

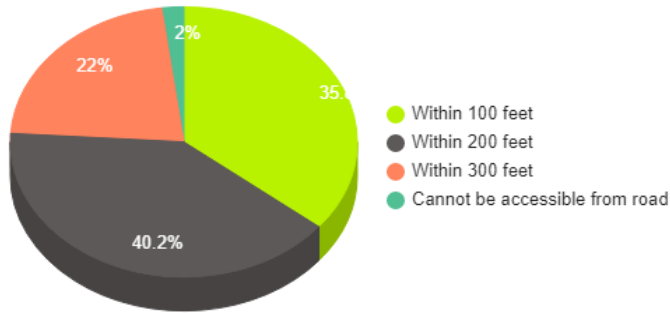
## Accessibility of properties easily BY road (greater than 3m)



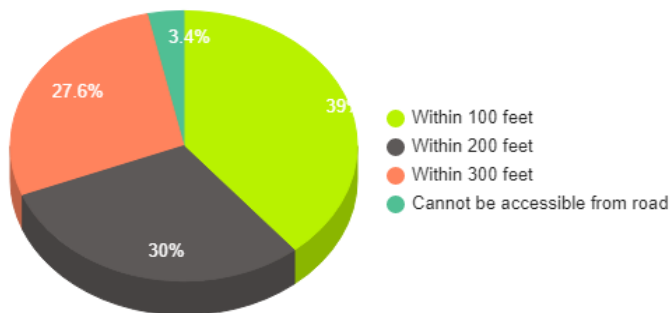
# Map

# Accessibility of containment systems easily FROM road

People say



Desludging operators say

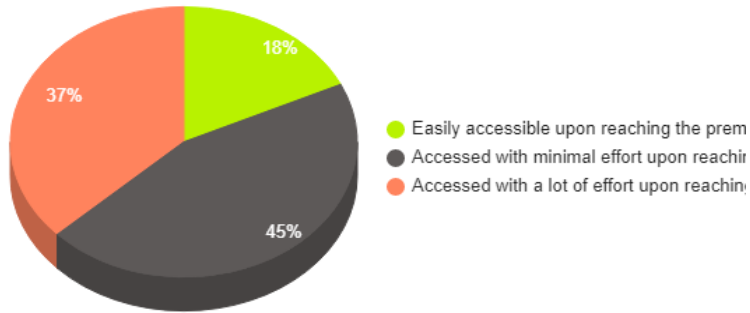




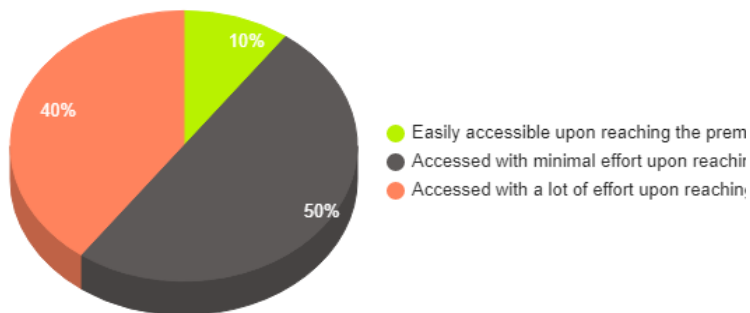
# Map

# Accessibility TO containment systems

People say

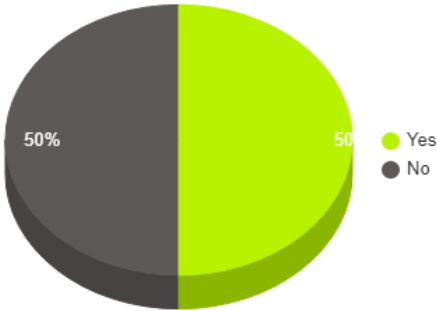


Desludging operators say



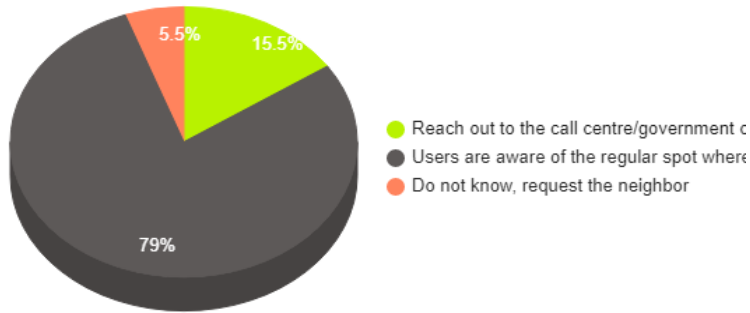
# Map

# Adequacy of desludging vehicles and operators in the city

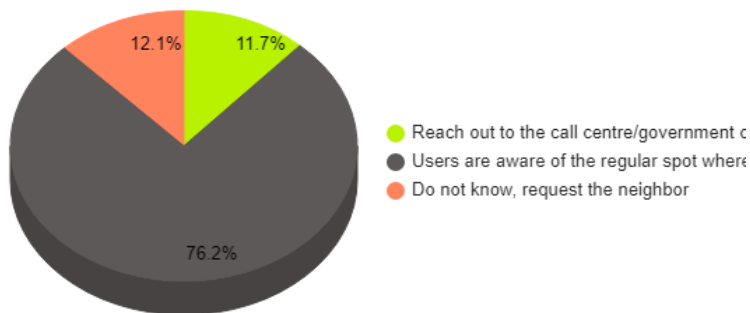


# Reaching out to Desludging Operators

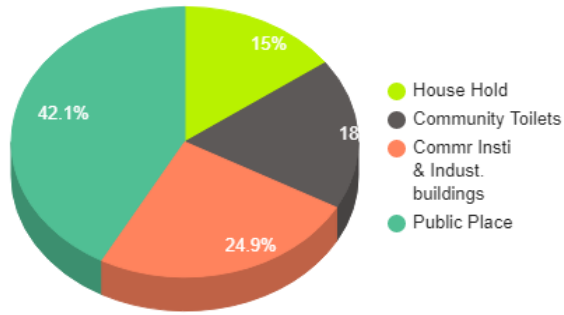
People say



Desludging operators say

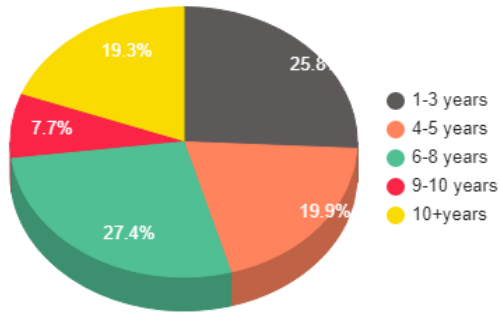


## Average response time for desludging service



# Average desludging frequency

People say

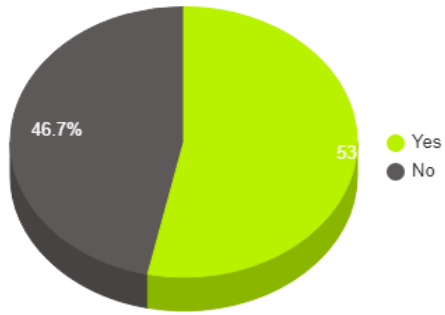


# Map



# Usage of safety gears

People say





## Adequacy of desludging vehicles and operators in the city

### INADEQUATE

After studying the existing desludging operators in the city, it is apparent that there are adequate desludging.

The options should be

- Buildings with septic tanks
- Buildings with fully lined tanks
- Buildings with Lined tank with impermeable walls (but open bottom)

FSM Toolbox has dedicated modules to assist you in developing vehicle procurement plan in order to meet the city's overall demand for conducting desludging services effectively. [Learn More.](#)



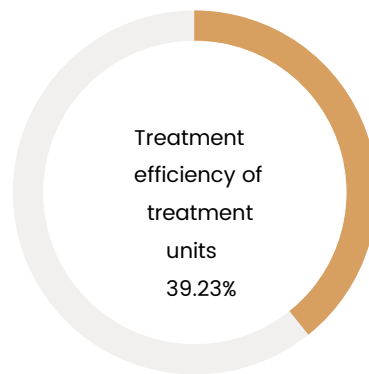
### If there are NO appropriate treatment units in the neighbourhood

It is noted that about 90% of overall faecal sludge that is desludged by the operators do not reach the treatment plant and is dumped into the environment. The desludging operators do not have any dedicated treatment unit in the neighbourhood for safe disposal of the collected faecal waste. The city government should take adequate steps to set up faecal sludge treatment unit in the neighbourhoods of the cityname.

FSM Toolbox has dedicated modules to assist you in planning and implementation of faecal sludge treatment units in the neighbourhood. [Learn More.](#)



**Presence of treatment systems  
in and around the city**



## End-use/Disposal

