

FSM Infrastructure Planning Citywide Planning Questionnaire

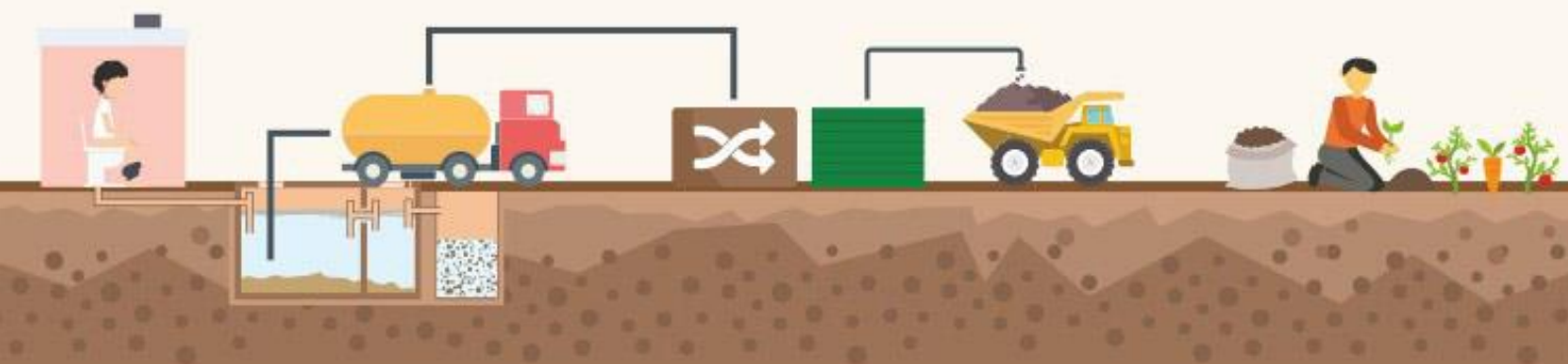


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Household

1. GPS Location of the building?
2. Do you have a toilet in your house?
 - Yes
 - No
3. Is the toilet functional?
 - Yes
 - No
4. Where do you go for urination?
 - Community toilet
 - Public toilet
 - Shared toilet
 - Open environment
 - Others
5. Where do you go for defecation?
 - Community toilet
 - Public toilet
 - Shared toilet
 - Open defecation
 - Others
6. Number of male members in your house? (including children)
7. Number of female members in your house? (including children)
8. Do all members of your household make use of the toilet?
 - Yes
 - No
9. How many male members access the toilet? (including children)
10. How many female members access the toilet? (including children)
11. What is the type of onsite sanitation system?
 - No onsite container
 - Septic tank
 - Fully lined tank (sealed)
 - Lined tank with impermeable walls and open bottom
 - Lined pit with semi-permeable walls and open bottom
 - Unlined pit
 - Pit (all types), never emptied but abandoned when full and covered with soil
 - Pit (all types), never emptied but abandoned when full and NOT adequately covered with soil
 - Toilet failed, damaged, collapsed or flooded.
 - Containment (septic tank or tank or pit latrine) failed, damaged, collapsed or flooded
12. Where is the on-site sanitation system connected to?
 - To centralized combined sewer
 - To centralized foul/separate sewer
 - To decentralized combined sewer
 - To decentralized foul/separate sewer

- To soak pit
 - To open drain or storm sewer.
 - To water body
 - To open ground
 - To 'don't know where'
 - No outlet or overflow
13. What is the volume of containment unit?
- 1 - 2 cubic meters
 - 3 - 4 cubic meters
 - 5 - 8 cubic meters
 - 8 - 12 cubic meters
 - 12 - 15 cubic meters
 - 16 - 25 cubic meters
 - Greater than 25 cubic meters
14. Is there a single piece of land in the household where a toilet can be constructed / re-constructed?
- Yes
 - No
15. What is the dimension of the available plot?
Length (meters)
Breadth (meters)
16. How much water is generally used for toilet purposes?
- Water unavailable for toilet usage
 - 1 small bucket of water per use (5L per use)
 - 1 medium bucket of water per use (5-10L per use)
 - 1 large bucket of water per use (10-15L per use)
17. What is the main source of water in your household for general use?
- Piped water connection supplied through household overhead tank
 - Other methods (fetched, hand pump, standpipe, tanker)
18. Are the household members comfortable about using two different compartments in the toilet user interface regularly?
- Yes
 - No
19. Is the site flood prone?
- Yes
 - No
20. At what depth is the ground water available in the site?
- Less than 2m
 - 2m to 5m
 - greater than 5m
21. Based on the previous responses, here is a list of shortlisted onsite sanitation systems that are applicable to your household? Please view the images shown next to the options before shortlisting your preferred onsite sanitation system?
- Single Pit
 - Single Ventilated Improved Pit
 - Double Ventilated Improved Pit

- Fossa Alterna
 - Twin Pits for Pour Flush
 - Composting Chamber
 - Septic Tank
 - Biogas digester + Anaerobic Baffle Reactor & Anaerobic Filter
 - Settler+ (Anaerobic Baffle Reactor & Anaerobic Filter)
 - Decision based on quality
 - Decision based on cost
 - No Preference
22. What is the average width of the lane in front of the building?
- Less than 3 meters
 - 3 meters or more
23. When was the containment unit built?
24. How many times have you desludged your containment unit?
25. When was the last time the containment unit was emptied?

Community Toilet

1. GPS location of community toilet?
2. Is the toilet operational?
 - Yes
 - No
3. Ward number and Zone number of the community toilet?

Ward number

Zone number
4. How many toilet seats are available for men in the facility?
5. How many toilet seats are available for women in the facility?
6. How many households are dependent on this community toilet?
7. What is the type of onsite sanitation system?
 - No onsite container
 - Septic tank
 - Fully lined tank (sealed)
 - Lined tank with impermeable walls and open bottom
 - Lined pit with semi-permeable walls and open bottom
 - Unlined pit
 - Pit (all types), never emptied but abandoned when full and covered with soil
 - Pit (all types), never emptied but abandoned when full and NOT adequately covered with soil
 - Toilet failed, damaged, collapsed or flooded.
 - Containment (septic tank or tank or pit latrine) failed, damaged, collapsed or flooded
8. Where is the on-site sanitation system connected to?
 - To centralized combined sewer
 - To centralized foul/separate sewer
 - To decentralized combined sewer
 - To decentralized foul/separate sewer
 - To soak pit

- To open drain or storm sewer
 - To water body
 - To open ground
 - To dont know where
 - No outlet or overflow
9. What is the volume of containment unit?
- 1 – 2 cubic meters
 - 3 – 4 cubic meters
 - 5 – 8 cubic meters
 - 8 – 12 cubic meters
 - 12 – 15 cubic meters
 - 16 – 25 cubic meters
 - Greater than 25 cubic meters
10. What is the average width of the road infront of the community toilet?
- Less than 3 meters
 - 3 meters or more
11. When was the containment unit built
12. How many times have you desludged your containment unit?
13. When was the last time the containment unit was emptied?

Vacant land for Community Toilet

1. GPS location of vacant land (govt property / can be mobilized by the government)?
2. What is the dimension of the plot?
 - Length (meters)
 - Breadth (meters)
3. What do you think is the general water availability for toilet usage in this locality?
4. Water unavailable for toilet usage
 - 1 small bucket of water per use (5L per use)
 - 1 medium bucket of water per use (5-10L per use)
 - 1 large bucket of water per use (10-15L per use)
5. What is the predominant water sourcing method in this locality?
 - Piped water connection supplied through household overhead tank
 - Other methods (fetched, hand pump, standpipe, tanker)
6. Are the household members in the neighbourhood comfortable about using two different compartments in the toilet user interface regularly?
 - Yes
 - No
7. Is the site flood prone?
 - Yes
 - No
8. At what depth is the ground water available in the site?
 - Less than 2m
 - 2m to 5m
 - Greater than 5m

Public Place

1. Select the type of the public area?
 - Bus Terminus
 - Railway Stations
 - Market
 - Park
 - Playground
2. What is the average floating population in this location?
3. Mark the GPS location of the 4 corner point of this public area? (4 times gps point collection)
4. Corner point 1 of this public area
5. Corner point 2 of this public area
6. Corner point 3 of this public area
7. Corner point 4 of this public area
8. What % of the floating population is men?
9. What % of the floating population is women?
10. How many public toilet facilities are available in this location?
11. How many vacant land are available in this location that are amenable for new public toilet construction?
12. What is the name of the public area

Public Toilet

1. What is the GPS location of the toilet facility?
2. How many toilet seats are available for men in the facility?
3. How many toilet seats are available for women in the facility?
4. What is the type of onsite sanitation system?
 - No onsite container
 - Septic tank
 - Fully lined tank (sealed)
 - Lined tank with impermeable walls and open bottom
 - Lined pit with semi-permeable walls and open bottom
 - Unlined pit
 - Pit (all types), never emptied but abandoned when full and covered with soil
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 - To soak pit
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- To water body
 - To open ground
 - To dont know where
 - No outlet or overflow
6. What is the volume of containment unit?
 - 1 – 2 cubic meters
 - 3 – 4 cubic meters
 - 5 – 8 cubic meters
 - 8 – 12 cubic meters
 - 12 – 15 cubic meters
 - 16 – 25 cubic meters
 - Greater than 25 cubic meters
 7. At what depth is the ground water available in the site?
 - Less than 2m
 - 2m to 5m
 - Greater than 5m
 8. How many people are dependent on this public toilet facility for defecation purpose only?
 9. What is the average width of the road in front of the building?
 - Less than 3 meters
 - 3 meters or more
 10. When was the containment unit built
 11. When was the last time it was emptied?
 12. How many times you have emptied your containment unit?

Vacant land for Public Toilet

1. GPS location of vacant land (govt property / can be mobilized by the government)?
2. What is the dimension of the plot?
 - Length (meters)
 - Breadth (meters)
3. What do you think is the general water availability for toilet usage in this locality?
 - 1 small bucket of water per use (5L per use)
 - 1 medium bucket of water per use (5-10L per use)
 - 1 large bucket of water per use (10-15L per use)
4. What is the predominant water sourcing method in this locality?
 - Piped water connection supplied through household overhead tank
 - Other methods (fetched, hand pump, standpipe, tanker)
5. Are the household in the locality comfortable about using two different compartments in the toilet user interface regularly?
 - Yes
 - No
6. Is the site flood prone?
 - Yes
 - No
7. At what depth is the ground water available in the site?
 - Less than 2m

- 2m to 5m
- Greater than 5m

Commercial, Institutional and Industrial Building

1. GPS location of building?
2. What is the type of building?
 - Commercial building
 - Institutional building
 - Industrial building
3. Does the building have access to toilet facility within the premises in operational condition?
 - Yes
 - No
4. What is the type of onsite sanitation system?
 - No onsite container
 - Septic tank
 - Fully lined tank (sealed)
 - Lined tank with impermeable walls and open bottom
 - Lined pit with semi-permeable walls and open bottom
 - Unlined pit
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6. What is the volume of containment unit?
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 - 8 – 12 cubic meters
 - 12 – 15 cubic meters
 - 16 – 25 cubic meters
 - Greater than 25 cubic meters
7. What is the average width of the lane in front of the building?

- Less than 3 meters
 - 3 meters or more
8. When was the containment unit built?
 9. How many times have you desludged your containment unit?
 10. When was the last time the containment unit was emptied?

Desludging Operator

1. How many desludging vehicles do you have?
2. What is the volume of each desludging vehicle?
3. How many days do you work in a week?
4. How many hours do you work in a day?
5. What is the estimated drive time from truck depot to the home or business?
6. What is the estimated time to pump the tank? (consider the time to pump out the sludge as well as to break open the containment unit in cases where it is not easily accessible)
7. What is the estimated drive time from collection site to treatment plant/disposal site?
8. What is the estimated unloading time at the treatment facility/disposal site?
9. What is the estimated drive time to the next home or business?
10. What distance are you willing to travel to dispose the faecal waste to a treatment facility/disposal site?

