

Water Sector Trust Fund

**Rapid Assessment Tool** *for SafiSan Projects*

# Introduction

The purpose of this **Rapid Assessment Tool** is to enable the Water Sector Trust Fund (WSTF) to carry out a more in-depth appraisal of the Funding Applications (Project Proposals) prepared by the Water Service Providers (WSPs) for the UBSUP programme (Up-scaling Basic Sanitation for the Urban poor).

The **Rapid Assessment Tool** can be used **during** or **after** the completion of the **Field Appraisal**, for which a separate tool was developed (“UBSUP Field Appraisal Form”).

It is important to mention that the SafiSan-UBSUP Android application can be used to carry out a comprehensive water supply and sanitation analysis of the entire proposed project area.

The focus of the **Rapid Assessment Tool** is to enable the Water Services Provider and the WSTF to make informed decisions regarding:

1. **The proposed project area (see Table 1)**
2. **The current sanitation situation and the choice of SafiSan toilets (see Table 2)**
3. **Toilet emptying and sludge transport and disposal (see Table 3)**
4. **Demand for decentralised treatment (see Table 4)**
5. **Capacity and demand for (existing) centralised treatment (see Table 5)**

**Table 6**

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# Area Assessment

|  |  |  |
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| **No.** | **Issue** | **Observation** |
| 1 | Does the size (in terms of population) of the area warrant the awarding of the proposed project?  |  |
| 2 | (*If not*) are there neighbouring suitable areas where excess SafiSan toilets can be sold? (*200 toilets during Phase 1, 300 toilets during Phase 2, etc.*). |  |
| 3 | Is there in the proposed project area a substantial market for SafiSan toilets?  |  |
| 4 | What are the most common habitation patterns in the proposed project area (single dwellings, blocks of flats, plots with various dwellings, etc.).  |  |
| 5 | Are most plots and toilets accessible for emptying services, maintenance and repair? |  |
| 6 | (*If several areas are proposed*) How can we prioritise these areas in terms of current sanitation situation, expected toilet sales, emptying & transport capacity, treatment capacity or demand for treatment services?  |  |

# Sanitation & toilets assessment

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| **No.** | **Issue** | **Observation** |
| 1 | Which types of toilets and sanitation practices are found in the project area?  |  |
| 2 | What is the main type of toilet in the area? (*toilets & practices mix*) |  |
| 3 | How can the current sanitation situation in the area be described? (*very good, good, fair, poor, very poor*).  |  |
| 4 | Which types of SafiSan toilets are likely to be sold successfully? |  |
| 5 | How many SafiSan toilets can be expected to be sold in the project area?  |  |
| 6 | Which types of toilets and sanitation practices are found in the project area?  |  |

# Emptying and transport assessment

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| **No.** | **Issue** | **Observation** |
| 1 | Do area residents currently (before the project) have access to toilet emptying services?  |  |
| 2 | Do are resident make use of emptying services?  |  |
| 3 | How are toilets emptied and how is sludge transported? |  |
| 4 | Where do emptiers currently (before the project) dispose of the contents of toilets?  |  |
| 5 | Is there need for creating additional emptying and transport capacity (e.g. through the creation and training of Sanitation Teams)?  |  |
| 6 | Is there need to introduce and scale-up the SafiSan SaniGo?  |  |
| 7 | Is there likely to be a demand for toilet emptying and sludge transport services from outside the proposed project area (e.g. vacuum tanker trucks servicing other areas)?  |  |
| 8 | Is there likely to be a demand for the emptying and transport services, provided by Sanitation Teams, from outside the project area?  |  |
| 9 | Do area residents currently (before the project) have access to toilet emptying services?  |  |

# Decentralised treatment assessment

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| --- | --- | --- |
| **No.** | **Issue** | **Observation** |
| 1 | Is there sufficient demand, within the project area, for decentralised treatment services? |  |
| 2 | (*If not*) Are there neighbouring areas (preferably areas which can be serviced by Sanitation Teams) that could provide the sludge needed to improve the operation of the DTF?  |  |
| 3 | What is the expected demand in terms of type of treatment (and required facility) based on the current and expected mix of toilets (e.g. traditional pit latrines, VIPs, UDDTs) and the types of sludge they produce?  |  |
| 4 | Is there likely to be a demand for treatment services emerging from outside the proposed project area (e.g. vacuum tanker trucks servicing other areas)?  |  |
| 5 | Are there neighbouring areas with sustainable treatment capacity that may lead to the decision not to construct a DTF? (*consider distance, transport requirements and capacity*). |  |
| 6 | Is the site well chosen (appropriate) in terms of (1) town planning, (2) landownership, (3) legal constraints, (4) access, (5) environmental concerns, (5) size, (6) surrounding habitations, (7) topography, (8) wastewater disposal, (8) proximity to the market for treatment services)? |  |
| 7 | (*If not*) Are there alternative sites that should be considered?  |  |
| 8 | Is there sufficient demand, within the project area, for decentralised treatment services? |  |

# Decentralised treatment assessment (continued)

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| --- | --- | --- |
| **No.** | **Issue** | **Observation** |
| 9 | (*If not*) Are there neighbouring areas (preferably areas which can be serviced by Sanitation Teams) that could provide the sludge needed to improve the operation of the DTF?  |  |
| 10 | What is the expected demand in terms of type of treatment (and required facility) based on the current and expected mix of toilets (e.g. traditional pit latrines, VIPs, UDDTs) and the types of sludge they produce?  |  |
| 11 | Is there likely to be a demand for treatment services emerging from outside the proposed project area (e.g. vacuum tanker trucks servicing other areas)?  |  |
| 12 | Are there neighbouring areas with sustainable treatment capacity that may lead to the decision not to construct a DTF? (*consider distance, transport requirements and capacity*). |  |
| 13 | Is the site well chosen (appropriate) in terms of (1) town planning, (2) landownership, (3) legal constraints, (4) access, (5) environmental concerns, (5) size, (6) surrounding habitations, (7) topography, (8) wastewater disposal, (8) proximity to the market for treatment services)? |  |

# Centralised treatment assessment

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| **No.** | **Issue** | **Observation** |
| 1 | What is the capacity of the sewage treatment works?  |  |
| 2 | Are the sewage treatment works fully operational?  |  |
| 3 | What is the quality of the effluent which is discharged in the environment? (*Please ask for effluent characteristics based on laboratory test results*) |  |
| 4 | Can the existing treatment facility be used to cater for the sludge [existing toilets and SafiSan toilets (linked to the sewer of UDDTs)]. |  |
| 5 | What is the capacity of the sewage treatment works?  |  |
| 6 | Are the sewage treatment works fully operational?  |  |

# Conclusion and recommendations

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| **No.** | **Issue** | **Observation** |
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