Safe Water Device Survey

Option SL No.   Type of SWD: Condition: Active/ Inactive   Date:

Latitude (hddd.dddd⁰)	Longitude (hddd.dddd⁰)	Union	Ward	Village	Para

1. Physical survey: (Hand pump condition)

1.1 Handle	1.2 Head cover	1.3 Piston set	1.4 Barrel	1.5 Base plate	1.6 Water extraction	1.7 GI pipe condition
1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. 1~2 press 2. 3~5 3. More than 5 (_____) 4. No water 5. N/A	1. Missing 2. Broken 3. Welded 4. Eroded 5. Good 6. N/A

2. Physical survey: (Filter condition)

2.1 Shade	2.2 Net	2.3 Wash out valve							
		a) Raw water		b) Gravel chamber		c) Sand chamber		d) Filtered water	
		Type	Condition	Type	Condition	Type	Condition	Type	Condition
1. Missing 2. Broken 3. Welded 4. Eroded 5. Good	1. Missing 2. Broken 3. Welded 4. Damaged 5. Good	1. Gate/ball valve 2. End cap 3. End plug 4. Sealed (No backwash possible) 5. N/A	1. Valve cap missing 2. Damaged 3. Leak 4. Hard to open 5. Good 6. N/A	1. Gate/ball valve 2. End cap 3. End plug 4. Sealed (No backwash possible) 5. N/A	1. Valve cap missing 2. Damaged 3. Leak 4. Hard to open 5. Good 6. N/A	1. Gate/ball valve 2. End cap 3. End plug 4. Sealed (No backwash possible) 5. N/A	1. Valve cap missing 2. Damaged 3. Leak 4. Hard to open 5. Good 6. N/A	1. Gate/ball valve 2. End cap 3. End plug 4. Sealed (No backwash possible) 5. N/A	1. Valve cap missing 2. Damaged 3. Leak 4. Hard to open 5. Good 6. N/A

2.4 Wash out water	2.5 Wash out GI pipe	2.6 Sand bed	2.7 Water over sand bed	2.8 Gravel bed	2.9 Aeration tray 1 (main, besides hand pump)	2.10 Aeration tray 2 (sand chamber)
1. Dirty 2. Moderate 3. Clean 4. Cannot open 5. N/A	1. Missing 2. Pipe thread damaged 3. Leaking near filter 4. Good 5. N/A	1. Dirty 2. Moderate 3. Clean 4. No Sand	1. 1~2" 2. 3~4" 3. >4'' 4. No water	1. Dirty 2. Moderate 3. Clean 4. No Gravel	1. Missing 2. Broken 3. Welded 4. Eroded 5. Clogged 6. Good	1. Missing 2. Broken 3. Welded 4. Eroded 5. Clogged 6. Good

2.11 Water Collection (tap)	2.12 Water flow (hand pump to gravel chamber)	2.13 Filter wall	2.14 Platform condition	2.15 Drain condition	2.16 Surrounding area clean?
1. Nothing 2. Stick 3. Bottle 4. Tap 5. Others	1. Drain block 2. Pipe block 3. Smooth passing	1. Plaster damage 2. Wall damage 3. Leak 4. Good	1. Good 2. Bad	1. Good 2. Bad	1. Dirty 2. Moderate 3. Clean
2.17 Other comments					

3. Interaction with responsible person

Name of interviewee:

3.1 Name of land owner	3.2 Name of care taker	3.3 Year of Installation	3.4 Depth of source (feet)	3.5 Dry season condition 1. Easy (enough) 2. Hard (less) 3. Stop (no water)

3.6 Arsenic tested or not? 1.Yes 2.No	3.7 If tested		3.8 Result 1. Green (safe) 2. Red (unsafe) 3. Not known	3.9 What type of technical problem generally occurred?
	Tested by? 1. DPHE 2. NGO 3. Project/ Donor 4. Others (_____)	Tested when? 1. <1 year 2. <3 year 3. <5 year 4. Don't know		

3.10 How many times/year does device face problem? 1. One 2. Two 3. Three 4. More (_____) 5. N/A	3.11 Who takes initiative for repair and maintenance per year? 1. Land owner 2. Care taker 3. One user 4. Some users 5. All users 6. No one 7. NGO 8. N/A	3.12 How much require for repair and maintenance per year? 1) 0~100 tk 2) 101~500 tk 3)501~1000 tk 4)1001~3000 tk 5)3001-5000 tk 6) More (_____) 7) N/A	3.13 Who bears the cost? 1. Land owner 2. 3~5 HH 3. All users 4. Others (_____) 5. N/A	3.14 If active who maintains 1. Land owner 2. Care taker 3. One user 4. No need to maintain 5. Others 6. N/A	3.15 If inactive why 1. Lack of maintenance 2. Water not available in whole year 3. Don't know how to repair 4. No one takes initiative 5. No one wants to pay 6. Hazardous to maintain 7. No demand, other option available

3.16 How many days since last backwash?	3.17 How many days since gravel chamber cleaned?	3.18 How many days since sand bed cleaned?

3.19 Treated water sample collected? Yes/No

3.20 Other comments/surveyor opinion. If inactive, how many households affected? Is activation needed, possible?