

Sigur – Baseline Survey Data Analysis

This survey pertains only to those habitations where keystone has been intervening over the years.

Table1.1: Demographic details

S.No.	Habitation Name	Village Panchayat	SC pop ^{ln}	ST pop ^{ln}	GEN pop ^{ln}	Total	No. of Hhs	No. of HHs surveyed
1	Masinagudi	Masinagudi	1731	703	2822	5256	1505	10
2	Anaikatty	Ebbanad	0	410	0	410	117	25
3	Assakkarai	Masinagudi	40	130	30	200	50	6
4	Bokkapuram	Solur						1
5	Boothanatham	Masinagudi	0	90	0	90	0	8
6	Chemmanatham	Masinagudi	0	125	75	200	75	10
7	Chokkanalli	Kadanadu	0	169	0	169	0	10
8	Kurumbarpallam	Solur						9
9	Mayar	Masinagudi	200	200	150	550	150	1
10	Siriyur	Kukkal	0	259	0	259	0	10
11	Vazhathottam	Masinagudi	50	149	938	1137	938	5
Total			2021	2235	4015	8271	2835	95

Source with date of access: <http://indiawater.gov.in> on 29 Dec,2016

Summary observations

Table1.2: Summary observations

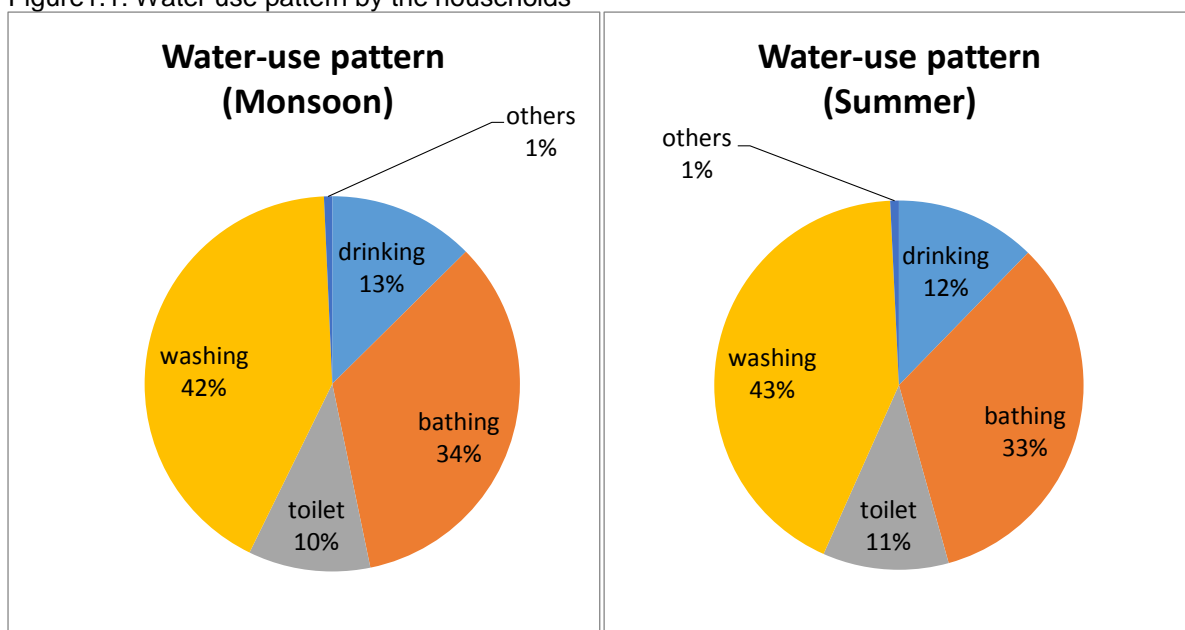
S No.	Item	Number
1	No. of habitations surveyed	11
2	Total number of households	
3	Number of households surveyed % of households surveyed	95
4	Households harvesting rain water at home	31%
5	Average water storage capacity in a household (in liters)	328
6	% of households with storage capacity of 1000 liters or less	98%
7	% of households with storage capacity of 500 liters or less	86%
8	% of households with storage capacity of 250 liters or less	67%
9	Average water consumption per family (liters per day) Maximum water consumption per family (liters per day)	374-391 LPD(across seasons) 792 LPD (across seasons)
10	Number of habitations with only spring water supply	2
11	Number of habitations with spring and bore well water supply	5
12		

	% of Households practicing Open Defecation	69%
13	Number of habitations reporting Open Defecation % of habitations reporting Open Defecation	10 91%
14	Number of habitations with Community Toilets	Nil
15	Number of habitations reporting usage of Community Toilets	Nil
16	Number of habitations reporting collection of waste at the doorstep	3
17	Number of habitations reporting waste bins being located	3
18	% of households reporting purchase of water	13%
19	% of households reporting water borne diseases	47%

Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Water use pattern

Figure1.1: Water use pattern by the households



Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Water Supply Situation

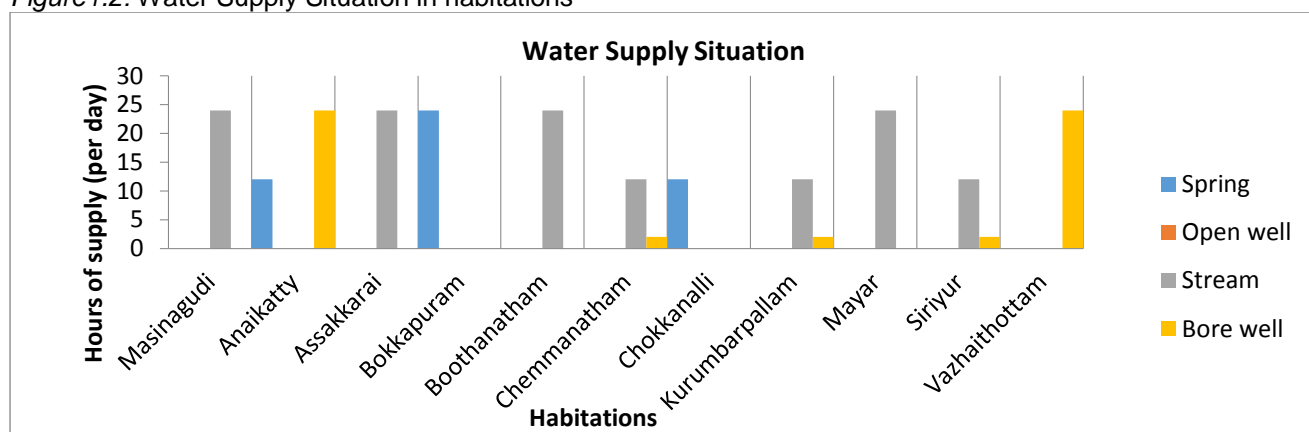
Table1.3: Water supply sources in habitations

S No.	Habitation Name	Sources	Source Type(s)	Supply	Issues reported
1	Masinagudi	Pykara dam	Stream	24/7 throughout the year	

S No.	Habitation Name	Sources	Source Type(s)	Supply	Issues reported
2	Anaikatty	Bore well Punkamaragundi Sarappakottu Vamadakerai Anni Mavagundi Pandikadavu Karappu Kaalvai	Bore well Spring Spring Stream Spring Spring Stream Spring Stream	Bore well-24/7 throughout monsoon, 4hrs every day during summers Spring- 12hrs throughout the year	
3	Assakkarai	Pykara dam	Stream	24/7 throughout the year	
4	Bokkapuram	Modhukattai	Spring	24/7 throughout the year	
5	Boothanatham	Pykara dam	Stream	24/7 throughout the year	
6	Chemmanatham	Pykara dam Bore well Semmanatham	Stream Bore well Stream	Bore well-2hrs throughout the year Stream-12hrs throughout monsoon, 2hrs every day during summers	
7	Chokkanalli	Nirpanaigundi	Spring	12hrs throughout the year	
8	Kurumbarpallam	Modhukattai Samykudi alla Bore well	Spring Stream Bore well	Bore well-2hrs throughout the year Stream-12hrs throughout the year	
9	Mayar	Pykara dam	Stream	24hrs throughout the year	
10	Siriyur	Dhanakadavu Bore well Araikadavu Kalvay	Spring Bore well Stream Stream	Bore well-2hrs throughout the year Stream-12hrs throughout the year	
11	Vazhathottam	Bore well	Bore well	24/7 throughout monsoon, 2hrs every day during summers	

Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Figure 1.2: Water Supply Situation in habitations



Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Water Quality Issues

Table 1.4: Water Quality Issues reported by households

S No.	Habitation Name	Sources	Source Type(s)	Problem
1	Masinagudi	Pykara dam	Stream	No
2	Anaikatty	Bore well Punkamaragundi Sarappakottu Vamadakerai Anni Mavagundi Pandikadavu Karappu Kaalvai	Bore well Spring Spring Stream Spring Spring Stream Spring Stream	No
3	Assakkarai	Pykara dam	Stream	No
4	Bokkapuram	Modhukattai	Spring	No
5	Boothanatham	Pykara dam	Stream	No
6	Chemmanatham	Pykara dam Bore well Semmanatham	Stream Bore well Stream	Semmanatham stream- muddy water, sewage mixed
7	Chokkanalli	Nirpanaigundi	Spring	10% report worms seen in sewage mixed water
8	Kurumbarpallam	Modhukattai Samykudi alla Bore well	Spring Stream Bore well	Samykudi alla stream - muddy water, sewage mixed
9	Mayar	Pykara dam	Stream	No
10	Siriyur	Dhanakadavu Bore well Araikadavu Kalvay	Spring Bore well Stream Stream	Araikadavu stream- muddy water, sewage mixed
11	Vazhithottam	Bore well	Bore well	No

Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Habitations where Community Toilets are present and being used

Table 1.5: Habitations where community toilets are present

Habitation id	Habitation name	Community Toilet Present	Community Toilet in use
601	Masinagudi	N	
602	Anaikatty	N	
603	Assakkarai	N	
604	Bokkapuram	N	

605	Boothanatham	N	
606	Chemmanatham	N	
607	Chokkanalli	N	
608	Kurumbarpallam	N	
609	Mayar	N	
610	Siriyur		
611	Vazhithottam	N	

Source with date of access: *Basic Habitation Survey, Keystone Foundation 2016*

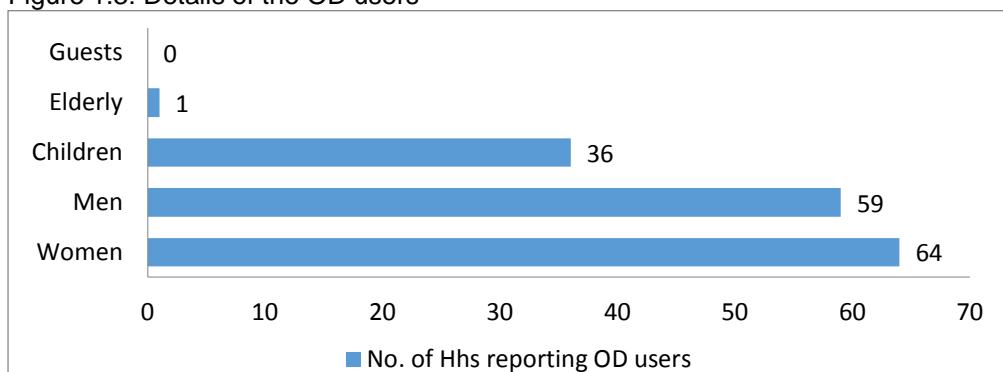
Habitations where Open Defecation is being practised

Table 1.6: Habitations where open defecation is practised

Habitation ID	Habitation Name	HHs reporting OD	Surveyed HHs	% reporting OD
601	Masinagudi	9	10	90
602	Anaikatty	19	25	76
603	Assakkarai	5	6	83
604	Bokkapuram	1	1	100
605	Boothanatham	0	8	0
606	Chemmanatham	10	10	100
607	Chokkanalli	4	10	40
608	Kurumbarpallam	9	9	100
609	Mayar	1	1	100
610	Siriyur	4	10	40
611	Vazhathottam	4	5	80
	Total	66	95	69

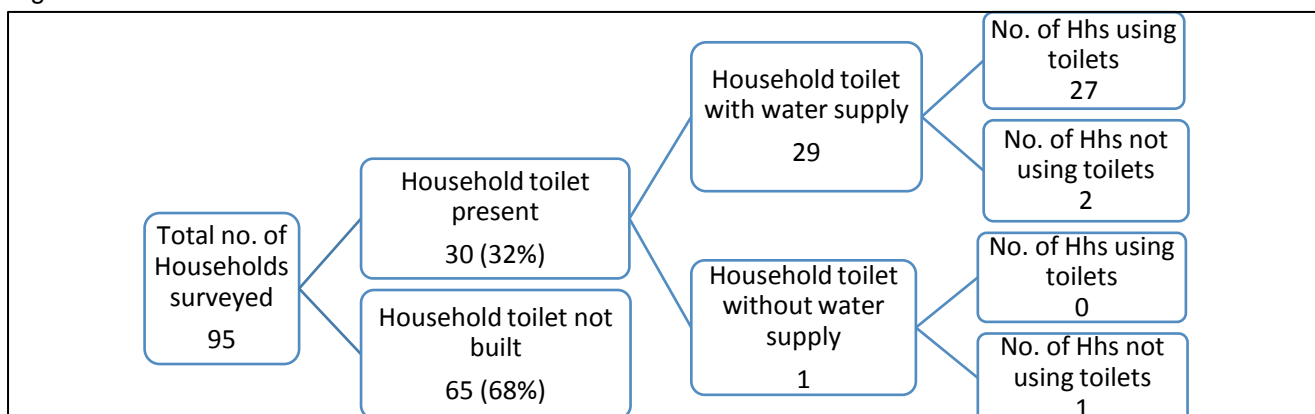
Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Figure 1.3: Details of the OD users



Household toilets

Figure 1.4: No. of habitations with household toilets



Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

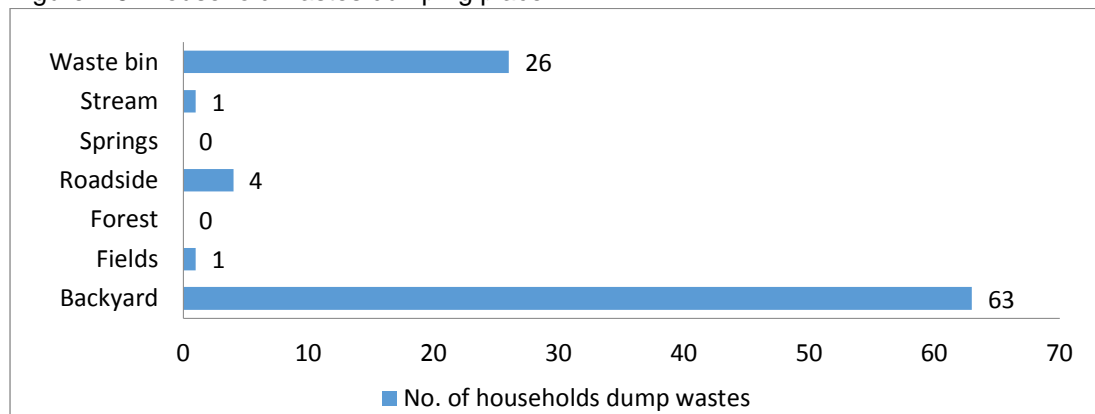
Status of Waste Management

Table1.7: Status of habitations in waste management

Habitation ID	Habitation Name	Waste Collection at Door Step	Waste bins setup by Panchayat
601	Masinagudi	N	N
602	Anaikatty	N	N
603	Assakkarai	Y/N	Y
604	Bokkapuram	Y	N
605	Boothanatham	Y/N	Y
606	Chemmanatham	N	N
607	Chokkanalli	N	N
608	Kurumbarpallam	N	N
609	Mayar	Y	N
610	Siriyur	N	N
611	Vazhathottam	Y	Y

Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Figure 1.5: Household wastes dumping place



Source with date of access: Basic Habitation Survey, Keystone Foundation 2016