

## Kotagiri - Baseline Survey Data Analysis

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

Table1.1: List of Panchayats with the no. of habitations surveyed

S.No	Panchayat	Total no. of habitations	No. of habitations surveyed
1	Aracode	18	15
2	Denad	41	5
3	Jackanarai	33	
4	Kadinamala	10	
5	Kengarai	40	
6	Kodanad	10	9
7	Konavakkarai	41	
8	Kunjappanai	30	
9	Naduhatty	32	
10	Nedugula	44	
11	Thengumarahada	8	

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

Table1.2: Demographic details

S.No	Habitation Name	Village Panchayat	SC pop <sup>ln</sup>	ST pop <sup>ln</sup>	GEN pop <sup>ln</sup>	Total pop <sup>ln</sup>	No. of HHs	No. of HHs surveyed
1	Bangalapadigai	Aracode	0	45	0	45	15	33
2	Bargur	Aracode	0	40	0	40	13	10
3	Bavikkarai	Aracode	26	2	0	28	8	4
4	Chakkapadigai	Aracode						
5	Garikiyur	Aracode	0	80	0	80	15	44
6	Kokkode	Aracode	30	3	0	33	9	18
7	Kumaramudi	Aracode	0	50	0	50	12	12
8	Mallikoppaiyur	Aracode	0	60	0	60	15	22
9	Mudiyur	Aracode	24	3	0	27	7	6
10	Nadur	Aracode	0	45	0	45	12	12
11	Pamparai	Aracode						
12	Pongamukkai	Aracode						
13	Samigudar	Aracode	30	3	0	33	9	12
14	Selarai	Aracode	0	73	0	73	16	8
15	Vakkanamaram	Aracode	24	2	0	26	7	23
16	Chedikal	Denad	0	38	0	38	12	6
17	Gurukundha	Denad						
18	Kadasolai	Denad	0	53	0	53	20	
19	Kil Kattabettu	Denad	0	42	0	42	12	5
20	Mel Kattabettu	Denad	0	42	0	42	10	3
21	Anthiyarai	Kadinamala	20	0	0	20	6	8
22	Bettola	Kadinamala	0	0	17	17	5	2
23	Kandipatti	Kadinamala	57	31	7	95	28	12

24	Kolikuttai	Kadinamala	43	0	0	43	8	6
25	Koliyatti	Kadinamala	20	0	0	20	6	5
26	Koppaiyur	Kadinamala	20	0	0	20	6	11
27	Kothimukkai	Kadinamala	57	31	7	95	28	13
28	Nandipatti	Kadinamala	0	0	56	56	19	6
29	Thumbibettu	Kadinamala						
	<b>Total</b>		351	643	87	1081	298	281

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

## Summary observations

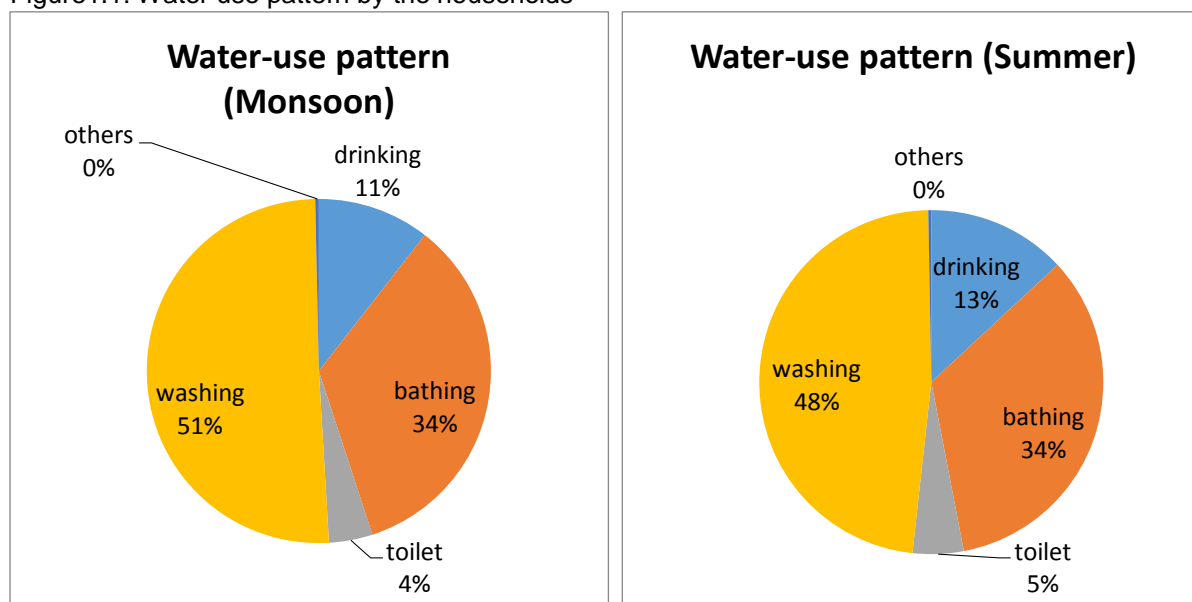
Table1.3: Summary observations

S No.	Item	Number
1	Total Number of tribal habitations in the region	29
2	No. of habitations surveyed	29
3	Total number of households	
4	Number of households surveyed % of households surveyed	323
5	Households harvesting rain water at home	0%
6	Average water storage capacity in a household (in liters)	392 liters
7	% of households with storage capacity of 1000 liters or less	84%
8	% of households with storage capacity of 500 liters or less	80%
9	% of households with storage capacity of 250 liters or less	78%
10	Average water consumption per family (liters per day) Maximum water consumption per family (liters per day)	286-378 LPD (across seasons) 1400-1850 LPD (across seasons)
11	Number of habitations with only spring water supply	11
12	Number of habitations with spring and open well water supply Number of habitations with spring and stream water supply	3
13	% of Households practicing Open Defecation	54%
14	Number of habitations reporting Open Defecation % of habitations reporting Open Defecation	26 87%
15	Number of habitations with Community Toilets	2
16	Number of habitations reporting usage of Community Toilets	2
17	Number of habitations reporting collection of waste at the doorstep	Nil
18	Number of habitations reporting waste bins being located	1 (doubtful)
19	% of households reporting purchase of water	Nil
20	% of households reporting water borne diseases	67%

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

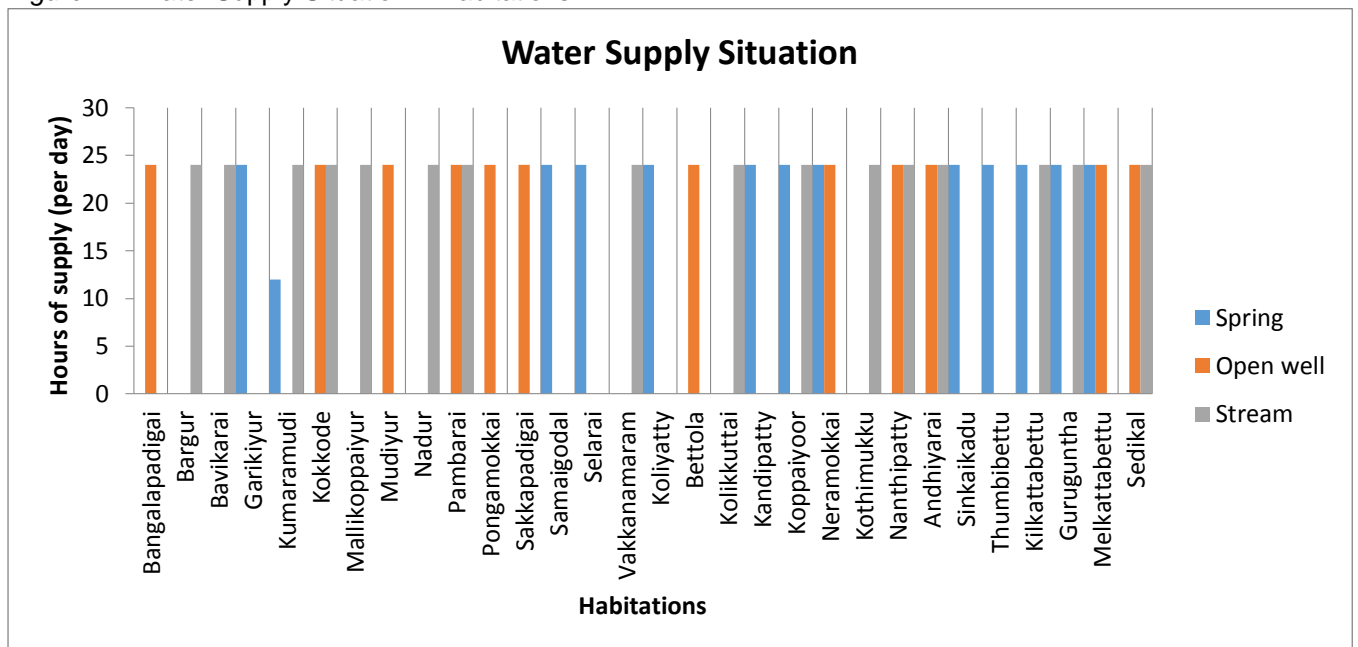
Table1.4: Water supply sources in habitations

S No.	Habitation Name	Sources	Source Type(s)	Supply	Issues reported in surveys
1.	Bangalapadigai	Pulimava bavi	Open well	24/7 throughout the year	
2.	Bargur	Kambalakarai	Stream	24/7 throughout the year	
3.	Bavikarai	Sajbas odai	Stream	24/7 throughout the year	
4.	Garikiyur	Vage gundi	Spring	24/7 throughout the year	
5.	Kumaramudi	Kullangarai Vaikaimara bavi	Stream Spring	Stream-24/7 throughout the year Spring-12hrs throughout the year	
6.	Kokkode	Kullangarai Dhonikkarai	Stream Open well	24/7 throughout the year	
7.	Mallikoppaiyur	Vasankarai	Stream	24/7 throughout the year	
8.	Mudiyur	Sakkekadavu	Open well	24/7 throughout the year	
9.	Nadur	Vekkikerai	Stream	24/7 throughout the year	
10.	Pambarai	Kinaru Odai neer	Open well Stream	24/7 throughout the year	
11.	Pongamokkai	Sakkekadavu	Open well	24/7 throughout the year	
12.	Sakkapadigai	Sakkebavi	Open well	24/7 throughout the year	
13.	Samaigodal	Konkarai bavi Kadankarai bavi	Spring Spring	24/7 throughout the year	
14.	Selarai	Neerthotti	Spring	24/7 throughout the year	

15.	Vakkanamaram	Kullangarai	Stream	24/7 throughout the year	
16.	Koliyatty	Koliyatty	Spring	24/7 throughout the year	
17.	Bettola	Kullangarai	Open well	24/7 throughout the year	
18.	Kolikkuttai	Pithai attu	Stream	24/7 throughout the year	
19.	Kandipatty	Dhoopakadavu	Spring	24/7 throughout the year	
20.	Koppaiyoor	Pithai attu Mallabavi	Stream Spring	24/7 throughout the year	
21.	Neramokkai	Naduvatty naali	Open well/ Spring	24/7 throughout the year	
22.	Kothimukku	Aarasakadavu	Stream	24/7 throughout the year	
23.	Nanthipatty	Aarasakadavu Nanthipatty	Stream Open well	24/7 throughout the year	
24.	Andhiyarai	Kullangarai Andhiyarai bavi	Stream Open well	24/7 throughout the year	
25.	Sinkaikadu	Dhoopakadavu	Spring	24/7 throughout the year	
26.	Thumbibettu	Eerappanai	Spring	24/7 throughout the year	
27.	Kilkattabettu	Thogabavi Biliyakerai	Spring Stream	24/7 throughout the year	
28.	Guruguntha	Karadikuli Koopu Eptikarai	Stream Stream Spring	24/7 throughout the year	
29.	Melkattabettu	Thottisolai Denadu Sivan kovil	Spring Open well	24/7 throughout the year	
30.	Sedikal	Pambarai kerai Solaur kil bavi	Stream Open well	24/7 throughout the year	

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 1.5: Water Quality Issues reported by households

S.No.	Habitation Name	Sources	Source Type(s)	Problem
701	Bangalapadigai	Pulimava bavi	Open well	No
702	Bargur	Kambalakarai	Stream	No
703	Bavikarai	Sajbas odai	Stream	No
704	Garikiyur	Vage gundi	Spring	No
705	Kumaramudi	Kullangarai Vaikaimara bavi	Stream Spring	No
706	Kokkode	Kullangarai Dhonikkarai	Stream Open well	No
707	Mallikoppaiyur	Vasankarai	Stream	No
708	Mudiyur	Sakkekadavu	Open well	No
709	Nadur	Vekkikerai	Stream	No
710	Pambarai	Kinaru Odai neer	Open well Stream	No
711	Pongamokkai	Sakkekadavu	Open well	No
712	Sakkapadigai	Sakkebavi	Open well	No
713	Samaigodal	Konkarai bavi Kadankarai bavi	Spring Spring	No
714	Selarai	Neerthotti	Spring	No
715	Vakkanamaram	Kullangarai	Stream	No
731	Koliyatty	Koliyatty	Spring	No
732	Bettola	Kullangarai	Open well	No
733	Kolikkuttai	Pithai attu	Stream	No
734	Kandipatty	Dhoopakadavu	Spring	No
735	Koppaiyoor	Pithai attu Mallabavi	Stream Spring	No
736	Neramokkai	Naduvatty naali	Open well/ Spring	No
737	Kothimukku	Aarasakadavu	Stream	No
738	Nanthipatty	Aarasakadavu Nanthipatty	Stream Open well	No
739	Andhiyarai	Kullangarai Andhiyarai bavi	Stream Open well	No
741	Sinkaikadu	Dhoopakadavu	Spring	No
740	Thumbibettu	Eerappanai	Spring	No
751	Kilkattabettu	Thogabavi Biliyakerai/ Eptikerai	Spring Stream	Muddy water, drainage mixed
752	Guruguntha	Karadikuli Koopu Eptikarai	Stream Stream Spring	Koopu stream- Muddy water, drainage mixed
753	Melkattabettu	Thottisolai Denadu Sivan kovil	Spring Open well	Denadu Sivan kovil- Oily, drainage mixed
754	Sedikal	Pambarai kerai Solaur kil bavi	Stream Open well	Pambarai kerai- Oily, drainage mixed

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

## Habitations where Community Toilets are present and being used

Table 1.6: Habitations where community toilets are present

Habitation id	Habitation name	Community Toilet Present	Community Toilet in use
701	Bangalapadigai	N	
702	Bargur	N	
703	Bavikarai	N	
704	Garikiyur	N	
705	Kumaramudi	Y	Y
706	Kokkode	N	
707	Mallikoppaiyur	N	
708	Mudiyur	N	
709	Nadur	N	
710	Pambarai	N	
711	Pongamokkai	N	
712	Sakkapadigai	N	
713	Samaigodal	N	
714	Selarai	N	
715	Vakkanamaram	N	
731	Koliyatty	N	
732	Bettola	N	
733	Kolikkuttai	N	
734	Kandipatty	N	
735	Koppaiyoor	N	
736	Neramokkai	N	
737	Kothimukku	Y	Y
738	Nanthipatty	N	
739	Andhiyarai	N	
741	Sinkaikadu	N	
740	Thumbibettu	N	
751	Kilkatabettu	N	
752	Guruguntha	N	
753	Melkatabettu	N	
754	Sedikal	N	

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

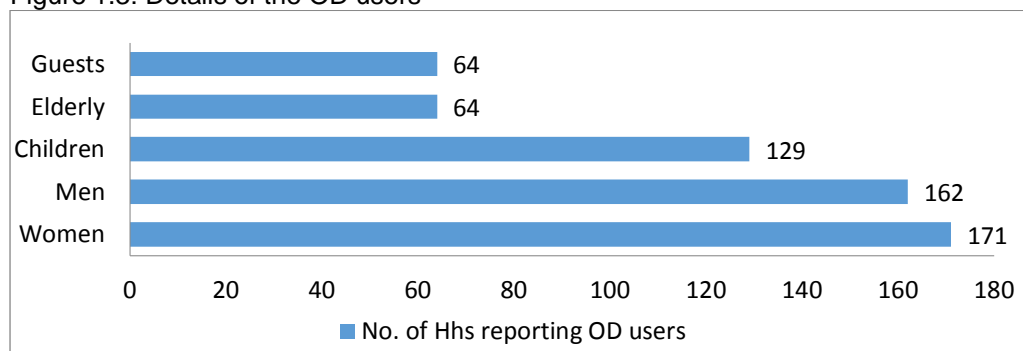
## Habitations where Open Defecation is being practised

Table 1.7: Habitations where open defecation is practised

Habitation ID	Habitation Name	HHs reporting OD	Surveyed HHs	% reporting OD
701	Bangalapadigai	31	33	94
702	Bargur	1	10	10
703	Bavikarai	1	4	25
704	Garikiyur	0	44	0
705	Kumaramudi	5	12	42
706	Kokkode	16	18	89
707	Mallikoppaiyur	0	22	0
708	Mudiyur	6	6	100
709	Nadur	0	12	0
710	Pambarai	13	13	100
711	Pongamokkai	7	7	100
712	Sakkapadigai	4	4	100
713	Samaigodal	6	12	50
714	Selarai	8	8	100
715	Vakkanamaram	23	23	100
731	Koliyatty	4	5	80
732	Bettola	2	2	100
733	Kolikkuttai	5	6	83
734	Kandipatty	5	12	42
735	Koppaiyoor	6	11	55
736	Neramokkai	5	6	83
737	Kothimukku	1	13	8
738	Nanthipatty	0	6	0
739	Andhiyarai	3	8	38
741	Sinkaikadu	1	4	25
740	Thumbibettu	7	7	100
751	Kilkattabettu	4	5	25
752	Guruguntha	1	1	100
753	Melkattabettu	3	3	100
754	Sedikal	6	6	100

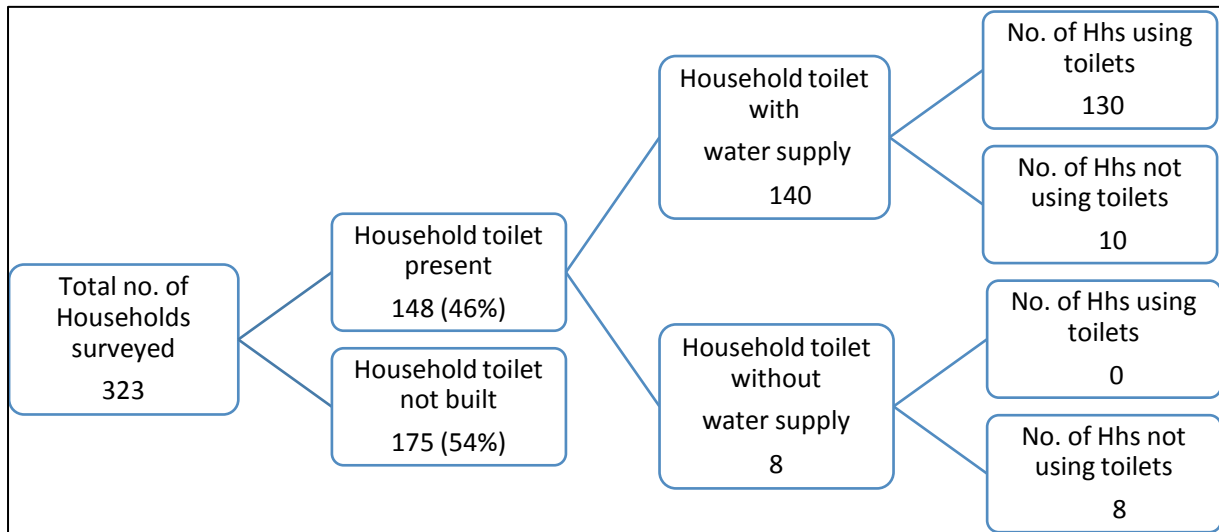
Source with date of access: Basic Habitation Survey, Keystone Foundation 2016

Figure 1.3: Details of the OD users



## Household toilets

Figure1.4: No. of habitations with household toilets



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



## Status of Waste Management

Table 1.8: Status of habitations in waste management

Habitation ID	Habitation Name	Waste Collection at Door Step	Waste bins setup by Panchayat
701	Bangalapadigai	N	N
702	Bargur	N	N
703	Bavikarai	N	N
704	Garikiyur	N	N
705	Kumaramudi	N	N
706	Kokkode	N	N
707	Mallikoppaiyur	N	N
708	Mudiyur	N	N
709	Nadur	N	N
710	Pambarai	N	N
711	Pongamokkai	N	N
712	Sakkapadigai	N	N
713	Samaigodal	N	N
714	Selarai	N	N
715	Vakkanamaram	N	N
731	Koliyatty	N	N
732	Bettola	N	N
733	Kolikkuttai	N	N
734	Kandipatty	N	N
735	Koppaiyoor	N	N
736	Neramokkai	N	N
737	Kothimukku	N	N
738	Nanthipatty	N	N
739	Andhiyarai	N	Y/N
741	Sinkaikadu	N	N
740	Thumbibettu	N	N
751	Kilkattabettu	N	N
752	Guruguntha	N	N
753	Melkattabettu	N	N
754	Sedikal	N	N

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

Figure 1.5: Household wastes dumping place

