**Pillur – 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 popln** | **ST popln** | **GEN popln** | **Total popln** | **No. of HHs** | **No. of HHs surveyed** |
| 1 | Kodiyur | Kemmarapalayam | 0 | 0 | 104 | 104 | 31 | 15 |
| 2 | Nellimarathur | Kemmarapalayam | 0 | 65 | 35 | 100 | 24 | 7 |
| 3 | Poochamarathur | Kemmarapalayam | 0 | 45 | 55 | 100 | 27 | 12 |
| 4 | Sethumadai | Kemmarapalayam | 0 | 82 | 18 | 100 | 28 | 5 |
| 5 | Sirukinaru | Kemmarapalayam | 0 | 0 | 104 | 104 | 31 | 0 |
| 6 | Thondai | Kemmarapalayam | 47 | 0 | 53 | 100 | 11 | 6 |
| 7 | Chittukunnai | Nellithorai | 0 | 100 | 0 | 100 | 11 | 3 |
| 8 | Kadambankombai | Nellithorai | 0 | 10 | 90 | 100 | 16 | 8 |
| 9 | Keelpillur (Suruki) | Nellithorai |  |  |  |  |  | 22 |
| 10 | Keelsengalur | Nellithorai | 0 | 100 | 0 | 100 | 24 | 0 |
| 11 | Kethaikkadu | Nellithorai | 0 | 100 | 0 | 100 | 14 | 9 |
| 12 | Korapathi | Nellithorai | 0 | 100 | 0 | 100 | 14 | 8 |
| 13 | Maanar | Nellithorai | 24 | 0 | 101 | 125 | 37 | 7 |
| 14 | Melpillur (Sithukonai) | Nellithorai | 0 | 100 | 0 | 100 | 11 | 3 |
| 15 | Neeradi | Nellithorai | 0 | 80 | 0 | 100 | 19 | 19 |
| 16 | Paralikkadu | Nellithorai | 0 | 120 | 0 | 120 | 34 | 8 |
| 17 | Sundapatti | Nellithorai | 0 | 100 | 0 | 100 | 11 | 0 |
| 18 | Veerakkal | Nellithorai | 0 | 100 | 0 | 100 | 16 | 5 |
| 19 | Veppamarathur | Nellithorai | 0 | 100 | 0 | 100 | 23 | 0 |
| 20 | Maruthamarathur | Nellithorai |  |  |  |  |  | 1 |
| 21 | Sengam | Nellithorai |  |  |  |  |  | 6 |
| 22 | Sorandi | Velliyankadu |  |  |  |  |  | 0 |
|  | Total  |  | 71 | 1202 | 560 | 1853 | 382 | 144 |

*Source with date of access:* [*http://indiawater.gov.in*](http://indiawater.gov.in) *on 29 Dec,2016*

**Summary observations**

Table1.2: Summary observations

|  |  |  |
| --- | --- | --- |
| **S No.** | **Item** | **Number** |
| 1 | No. of habitations surveyed | 16 |
| 2 | Total number of households |  |
| 3 | Number of households surveyed% of households surveyed | 141 |
| 4 | Households harvesting rain water at home | 24% |
| 5 | Average water storage capacity in a household (in liters) | 441 |
| 6 | % of households with storage capacity of 1000 liters or less | 85% |
| 7 | % of households with storage capacity of 500 liters or less | 84% |
| 8 | % of households with storage capacity of 250 liters or less | 82% |
| 9 | Average water consumption per family (liters per day)Maximum water consumption per family (liters per day) |  164-247 LPD(across seasons)730-1270 LPD(across seasons) |
| 10 | Number of habitations with only spring water supplyNumber of habitations with only stream water supply | 19 |
| 11 | Number of habitations with stream and bore well water supply | 6 |
| 12 | % of Households practicing Open Defecation | 98 |
| 13 | Number of habitations reporting Open Defecation% of habitations reporting Open Defecation | 16100 |
| 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 | Nil |
| 17 | Number of habitations reporting waste bins being located | Nil |
| 18 | % of households reporting purchase of water | 0 |
| 19 | % of households reporting water borne diseases | 70% |

*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 in surveys** |
| --- | --- | --- | --- | --- | --- |
|  | Kodiyur | Aatru neerKulaynir | StreamOther | 24/7 throughout the year |  |
|  | Nellimarathur | ThekkaneerKulaynir | StreamOther | 24/7 throughout the year |  |
|  | Poochamarathur | ThekkaneerKulaynir | StreamOther | 24/7 throughout the year |  |
|  | Sethumadai | Aatru neerKulaynir | StreamOther | 24/7 throughout the year |  |
|  | Sirukinaru |  |  |  |  |
|  | Thondai | Bore thanniThekkaneer | Bore wellStream | 24/7 throughout the year |  |
|  | Chittukunnai | Anaippalla kerai | Stream | 24/7 throughout the year |  |
|  | Kadambankombai | Odai neerKulaynir | StreamOther | 24/7 throughout the year |  |
|  | Keelpillur (Suruki) | ThekkaneerOdai neerAatru neerKulaynir | StreamStreamStreamOther | 24/7 throughout the year |  |
|  | Keelsengalur |  |  |  |  |
|  | Kethaikkadu | VarukankaraiBore thanni | StreamBore well | 24/7 throughout the year |  |
|  | Korapathi | Bore thanniVarukankarai | Bore wellStream | 12hrs in monsoon, 24hrs in summer |  |
|  | Maanar | KethekeraiBore thanni | StreamBore well | 24hrs in monsoon, 12hrs in summer |  |
|  | Melpillur (Sithukonai) |  |  |  |  |
|  | Neeradi | VarakkaraiThekkuneer DamKulaynirOshpaippunir | StreamOtherBore wellStream | Bore well-12hrs throughout the yearStream- 24hrs throughout the year |  |
|  | Paralikkadu | Vaikaal neerPillur dam  | StreamOther | 24/7 throughout the year |  |
|  | Sundapatti |  |  |  |  |
|  | Veerakkal | Odai neerBore thanniMulli aru | StreamBore wellStream | Bore well-24/7 throughout the year Stream-12hrs in monsoon, 24hrs in summer |  |
|  | Veppamarathur |  |  |  |  |
|  | Maruthamarathur | Sajbas odai | Stream | 12hrs in monsoon, 24hrs in summer |  |
|  | Sengam | VanikeraiPalaraiSengakerai | StreamSpringStream | 24/7 throughout the year |  |
|  | Sorandi |  |  |  |  |

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

*Figure1.2:* Water Supply Situation in habitations

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

**Water Quality Issues**

*Table1.4:* Water Quality Issues reported by households

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S No.** | **Habitation Name** | **Sources** | **Source Type(s)** | **Problem** |
|  | Kodiyur | Aatru neerKulaynir | StreamOther | No |
|  | Nellimarathur | ThekkaneerKulaynir | StreamOther | No |
|  | Poochamarathur | ThekkaneerKulaynir | StreamOther | No |
|  | Sethumadai | Aatru neerKulaynir | StreamOther | No |
|  | Sirukinaru |  |  |  |
|  | Thondai | Bore thanniThekkaneer | Bore wellStream | Thekkaneer stream- Muddy water due to animal disturbances, odour as drainage mixed with source |
|  | Sithuguni | Anaippalla kerai | Stream | No |
|  | Kadambankombai | Odai neerKulaynir | StreamOther | Nearly 10% report as worms seen in Kulaynir source that is covered with bushes |
|  | Kil Pillur (Suruki) | ThekkaneerOdai neerAatru neerKulaynir | StreamStreamStreamOther | No |
|  | Keelsengalur |  |  |  |
|  | Kethaikkadu | VarukankaraiBore thanni | StreamBore well | No |
|  | Korapathi | Bore thanniVarukankarai | Bore wellStream | Varukankarai stream- Muddy water due to animal disturbances |
|  | Maanar | KethekeraiBore thanni | StreamBore well | Kethekerai stream- muddy water due to animal disturbances, odour as drainage mixed with source |
|  | Mel Pillur (Sithukonai) |  |  |  |
|  | Neeradi | VarakkaraiThekkuneer DamKulaynirOshpaippunir | StreamOtherBore wellStream | No |
|  | Paralikkadu | Vaikaal neerPillur dam neer | StreamOther |  |
|  | Sundapatti |  |  |  |
|  | Veerakkal | Odai neerBore thanniMulli aru | StreamBore wellStream | Mulli stream- muddy water due to animal disturbances, odour as drainage mixed with source |
|  | Veppamarathur |  |  |  |
|  | Maruthamarathur | Sajbas odai | Stream | No |
|  | Sengam | VanikeraiPalaraiSengakerai | StreamSpringStream | Vanikerai stream- muddy water due to animal disturbances, odour as drainage mixed with source |
|  | Sorandi |  |  |  |

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

**Habitations where Community Toilets are present and being used**

*Table1.5:* Habitations where community toilets are present

|  |  |  |  |
| --- | --- | --- | --- |
| **Habitation id** | **Habitation name** | **Community Toilet Present** | **Community Toilet in use** |
| 651 | Kodiyur | N |  |
| 652 | Nellimarathur | N |  |
| 653 | Poochamarathur | N |  |
| 654 | Sethumadai | N |  |
| 655 | Sirukinaru |  |  |
| 656 | Thondai | N |  |
| 657 | Chittukunnai | N |  |
| 658 | Kadamankombai | N |  |
| 659 | Kil pillur (Suruki) | N |  |
| 660 | Keelsengalur |  |  |
| 661 | Kethaikkadu | N |  |
| 662 | Korapathi | N |  |
| 663 | Maanar | N |  |
| 664 | Mel Pillur |  |  |
| 665 | Neeradi | N |  |
| 666 | Paralikkadu | N |  |
| 667 | Sundapatti |  |  |
| 668 | Veerakkal | N |  |
| 669 | Veppamarathur |  |  |
| 670 | Maruthamarathur | N |  |
| 671 | Sengam | N |  |
| 681*Source with date of access: Basic Habitation Survey, Keystone Foundation 2016* | Sorandi |  |  |

Table 1.6: Habitations where open defecation is practised

**Habitations where Open Defecation is being practised**

| **Habitation ID** | **Habitation Name** | **HHs reporting OD** | **Surveyed HHs** | **% reporting OD** |
| --- | --- | --- | --- | --- |
| 651 | Kodiyur | 15 | 15 | 100 |
| 652 | Nellimarathur | 7 | 7 | 100 |
| 653 | Poochamarathur | 12 | 12 | 100 |
| 654 | Sethumadai | 5 | 5 | 100 |
| 655 | Sirukinaru |  |  |  |
| 656 | Thondai | 6 | 6 | 100 |
| 657 | Chittukunnai | 3 | 3 | 100 |
| 658 | Kadamankombai | 8 | 8 | 100 |
| 659 | Kil pillur (Suruki) | 22 | 22 | 100 |
| 660 | Keelsengalur |  |  |  |
| 661 | Kethaikkadu | 9 | 9 | 100 |
| 662 | Korapathi | 8 | 8 | 100 |
| 663 | Maanar | 7 | 7 | 100 |
| 664 | Mel Pillur | 19 | 19 | 100 |
| 665 | Neeradi | 5 | 8 | 62 |
| 666 | Paralikkadu |  |  |  |
| 667 | Sundapatti |  |  |  |
| 668 | Veerakkal | 5 | 5 | 100 |
| 669 | Veppamarathur |  |  |  |
| 670 | Maruthamarathur | 1 | 1 | 100 |
| 671 | Sengam | 6 | 6 | 100 |
| 681 | Sorandi |  |  |  |

*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*

Table1.7: Status of habitations in waste management

**Status of Waste Management**

| **Habitation ID** | **Habitation Name** | **Waste Collection at Door Step** | **Waste bins setup by Panchayat** |
| --- | --- | --- | --- |
| 651 | Kodiyur | N | N |
| 652 | Nellimarathur | N | Y |
| 653 | Poochamarathur | N | N |
| 654 | Sethumadai | N | N |
| 655 | Sirukinaru |  |  |
| 656 | Thondai | N | N |
| 657 | Chittukunnai | N | N |
| 658 | Kadamankombai | N | N |
| 659 | Kil pillur (Suruki) | N | N |
| 660 | Keelsengalur |  |  |
| 661 | Kethaikkadu | N | N |
| 662 | Korapathi | N | N |
| 663 | Maanar | N | N |
| 664 | Mel Pillur |  |  |
| 665 | Neeradi | N | N |
| 666 | Paralikkadu | N | N |
| 667 | Sundapatti |  |  |
| 668 | Veerakkal | N | N |
| 669 | Veppamarathur |  |  |
| 670 | Maruthamarathur | N | N |
| 671 | Sengam | N | N |
| 681 | Sorandi |  |  |

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

Figure 1.5: Household wastes dumping place