



GOVERNMENT OF KERALA

Report on NSS Socio Economic Survey 76th round

JULY 2018 - DECEMBER 2018



Drinking water , Sanitation , Hygiene & Housing condition in Kerala

N.S.S Division
Department of Economics & Statistics



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PREFACE

The National Statistical Office (NSO), Ministry of Statistics and Programme Implementation, Government of India conducts nationwide socio economic surveys covering various subjects on a regular basis. The State Governments were invited to participate with matching samples so as to increase the number of samples to enable the preparation of estimates at the sub-state level which was not possible with the 'Central Sample' alone. Thus Kerala is also participating in the National Sample Surveys from the very beginning with matching samples by adopting the same methodology of NSO.

Housing is one of the basic needs of human being both from social as well as economic point of view. Along with the requirement of shelter, availability and access to drinking water, sanitation etc are important determinants of overall quality of life of the people. Hence, the data on housing is considered as one of the key indicators of socio – economic development. Statistics on present housing condition are important factors in establishing housing policy and formation of housing programs. Economics & Statistics Department collected information about households and characteristics including amenities available, conditions of the dwelling units, micro-environmental elements surrounding the dwelling units, cost of construction undertaken by the households etc through 76th (July 2018-December 2018) round survey.

The technical support including designing of survey schedule, Methodology etc. provided by NSO, Government of India is highly acknowledged. The work done by the supervisors and field staff who worked tirelessly to make the survey a success is largely admired, the report writers and all other staff in the Directorate who have contributed in diverse ways for the success of the survey and the subsequent preparation of the report are duly acknowledged. I hope that this report will be useful to planners, policy makers, academicians and researchers. Suggestions to improve the content of the report are highly appreciated.

Place: Thiruvananthapuram
Date: 26/07/2022



SAJEEVU. P.P
Director

HIGHLIGHTS

The report is based on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ survey of NSS 76th round conducted during July - December 2018 in Kerala. For the state sample, the survey was spread over 284 first stage units (142 in rural areas and 142 in urban areas) covering 3355 households (1652 in rural areas and 1703 in urban areas). Some of the key findings of the survey are given below.

1. The average household size in rural and urban Kerala was 3.9 and 3.8 respectively.

[Statement 1]

2. In Kerala the major source of drinking water of the household was unprotected well. About 45.5 percent of the households in the rural areas and 48 percent of the households in the urban areas used unprotected well as the principal source of drinking water.

[Statement 2]

3. About 83.8 percent of the households in the rural areas and about 81.3 percent of the households in the urban areas had exclusive access to principal source of drinking water in Kerala.

[Statement 3]

4. About 79.7 percent of the households in the rural areas and about 88.4 percent of the households in the urban areas had sufficient drinking water throughout the year from the principal source in Kerala.

[Statement 4]

5. About 83.8 percent of the households in the rural areas and 81.3 percent of the households in the urban areas have exclusive access to principal source of drinking water located in the household premises.

[Statement 5]

6. About 88.7 percent of the households in the rural areas and about 89.6 percent of the households in the urban areas used ‘improved source of drinking water’ located in the household premises.

[Statement 6]

7. In Kerala about 85 percent of the households in the rural areas and 85.1 percent of the households in the urban areas used ‘boiling’ as method of treatment of drinking water.

[Statement 7]

8. In Kerala about 97.8 percent of the households in the rural areas and about 94.2 percent of the households in the urban areas had access to bathroom for exclusive use of the households.

[Statement 9]

9. In Kerala among the households which had access to bathroom, about 59.3 percent in the rural areas and about 72.4 percent in the urban areas used bathroom attached to the dwelling unit. About 40.4 percent in the rural areas and about 27.6 percent in the urban areas used bathroom detached to the dwelling unit but within the household premises

[Statement 10]

10. About 99.8 percent of the households in the rural areas and about 99.9 percent of the households in the urban areas had access to latrine.

[Statement 11]

11. The major type of latrine used by the households was *flush/pour-flush to single pit* in both rural and urban areas. About 78.8 percent of the households in rural areas and 65.7 percent of the households in urban areas used *flush/pour-flush to single pit* type of latrine.

[Statement 12]

12. In Kerala about 99.8 percent of the households used improved latrine.

[Statement 13]

13. In Kerala among the households which had access to latrine, about 99.1 percent of the males and 99.2 percent of the females in the rural areas used latrine regularly while about 99.2 percent of the males and 99.3 percent of the females in the urban areas used latrine regularly.

[Statement 14]

14. In Kerala among the households which had access to latrine, about 99.1 percent of the males and 99.2 percent of the females in the rural areas regularly used improved latrine while about 99.1 percent of both males and females in the urban areas regularly used improved latrine.

[Statement 14]

15. In Kerala among the households which had access to latrine, about 98.2 percent of both the males and females in the rural areas regularly used improved latrine which was for exclusive use of the household while the corresponding figure was about 98.8 percent for males and 98.5 percent for females in the urban areas.

[Statement 14]

16. In Kerala among the households used latrine, about 99.8 percent of the households in the rural areas and about 99.9 percent of the households in the urban areas reported that water was available in or around the latrine used.

[Statement 16]

17. About 96.8 percent of the households in the rural areas and about 96.1 percent of the households in the urban areas had bathroom and latrine both within household premises.

[Statement 16]

18. About 94.4 percent of the households in the rural areas and about 85.5 percent of the households in the urban areas had own dwelling unit. In total 90 percent of the households had own dwelling unit in Kerala.

[Statement 18]

19. Among the households living in houses, about 98.3 percent of the households in the rural areas and about 98.6 percent of the households in the urban areas used the house for residential purpose only.

[Statement 19]

20. Among the households living in houses, about 99 percent of the households in the rural areas and about 93.7 percent of the households in the urban areas had independent house.

[Statement 20]

21. Among the households living in houses, about 89.1 percent of the households in the rural areas and about 90.2 percent of the households in the urban areas had the house of pucca structure.

[Statement 20]

22. Among the households living in houses, average floor area of the dwelling unit was about 85.15 sq. mtr. in the rural areas and about 93.89 sq. mtr. in the urban areas.

[Statement 22]

23. Among the households living in houses, about 63.9 percent of the households in the rural areas disposed of household garbage in household's individual dumping spot. In the urban areas, about 46.9 percent of the households disposed of household garbage in in household's individual dumping spot.

[Statement 24]

24. Among the households living in houses, about 92.9 percent of the households in the rural areas and 79.2 percent in the urban areas had no arrangement for collection of household garbage. In the State, the panchayat/municipality/corporation made arrangement for collection of household garbage for about 4.4 percent of the households in rural areas and 14.1 percent in urban areas.

[Statement 24]

25. About 93.2 percent of the households in rural areas and 93 percent of the households in urban areas faced problem of flies/mosquitoes.

[Statement 25]

26. Among the households living in houses, about 99.3 percent of the households in the rural areas and about 99.7 percent of the households in the urban areas had electricity for domestic use.

Statement 26]

27. Among the households living in houses, about 62.3 percent of the households in the rural areas and about 81.1 percent of the households in the urban areas had drainage system in the house for disposal of waste water/liquid waste.

[Statement 26]

28. Among the households living in houses, about 92.9 percent of the households in the rural areas and about 95.6 percent of the households in the urban areas had the house with direct opening to approach road/lane/constructed path.

[Statement 26]

Abbreviations

List of Abbreviations used in the Report

| Abbreviation | Description |
|--------------|---|
| DES | Department of Economics and Statistics |
| NSSO | National Sample Survey Office |
| NSS | National Sample Survey |
| FSU | First Stage Unit |
| UFS | Urban Frame Survey |
| MPCE | Monthly Per Capita Consumer Expenditure |
| NIC | National Industrial Classification |
| TVM | Thiruvananthapuram |
| KLM | Kollam |
| PTA | Pathanamthitta |
| ALP | Alappuzha |
| KTM | Kottayam |
| IDK | Idukki |
| EKM | Ernakulam |
| TSR | Thrissur |
| PKD | Palakkad |
| MLP | Malappuram |
| KKD | Kozhikkode |
| WND | Wayanad |
| KNR | Kannur |
| KSD | Kasaragod |


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Chapter One

Introduction

Introduction

1.1 Background

1.1.1 The National Statistical Office (NSO), Ministry of Statistics and Programme Implementation (MOSPI), Government of India, since its inception in 1950 has been conducting nation-wide large scale sample surveys, employing scientific sampling methods, to collect data on diverse economic aspects. In its 76th round survey, NSO carried out a survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ during July - December 2018 covering the entire country.

1.1.2 Housing is a basic requirement of human well -being. Information in respect of the dwelling unit of the households like *type of the dwelling unit* (viz. independent house, flat etc.), *tenurial status of dwelling unit* (viz. owned, hired, no dwelling etc.), *structure of the dwelling unit* (viz. pucca, semi-pucca, katcha), *condition of the structure* (viz. good, satisfactory, bad), *floor area of the dwelling unit*, *age of the house owned by the household*, etc. along with the facilities available to the households in respect of drinking water, sanitation etc. and micro environment surrounding the house like *drainage system of the house*, *system of disposal of household waste water*, *system of disposal of household garbage*, *problems of flies and mosquitoes* etc. are important determinants of overall quality of living condition of the household members. The objective of the survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ of NSS 76th round was to collect relevant information on all these aspects and develop suitable indicators to assess living conditions of the household members at the national and State/UT level.

1.2 Past surveys on the subject

1.2.1 The NSO has been collecting data on ‘Housing Conditions and other Amenities’ almost since its inception. Data on the structural aspects of dwelling units and basic housing amenities such as drinking water, bathrooms, sewerage, latrine, lighting, etc., available to the households were collected by NSO from NSS 7th round (October 1953 - March 1954) to NSS 23rd round (July 1968 - June 1969) through different survey schedules. These surveys were essentially exploratory in nature, designed to give only a broad idea of the dimensions of variables reflecting housing conditions at the national level. Prior to NSS 76th round, comprehensive

surveys on housing condition with a separate Schedule 1.2 were carried out by NSO in 28th round (October 1973 - June 1974), 44th round (July 1988 - June 1989), 49th round (January - June, 1993), 58th round (July - December, 2002), 65th round (July 2008 - June 2009) and 69th round (July - December, 2012). Apart from these surveys on housing condition, through Schedule 31 (Common Property Resources, Sanitation & Hygiene, Services) of NSS 54th round (January - June, 1998), detailed information on drinking water, sanitation and hygiene was also collected.

1.3. The survey outline

1.3.1. Schedules of enquiry

1.3.1.1. Prior to NSS 76th round, the last comprehensive survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ was carried out by NSO in its 69th round (July - December, 2012) through Schedule 1.2. Considering the content of Schedule 1.2 of NSS 69th round, current data demand and usefulness of the survey results, Schedule 1.2 of NSS 76th round was prepared. The NSO also conducted Rapid Surveys on Swachhata Status during May-June 2015 along with the other surveys of the NSS 72nd round (July 2014 - June 2015) and during July-December 2017 along with the other surveys of the NSS 75th round (July 2017 - June 2018).

1.3.1.2. Through the survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ of NSS 76th round, some important information collected from the sample households was on (i) tenurial status of the dwelling unit, (ii) type of the dwelling unit, (iii) condition of the structure of the dwelling unit, (iv) drainage system of the household, (v) system of disposal of household waste water, (vi) system of disposal of household garbage, (vii) number of rooms and floor area of the dwelling unit, (viii) type of material used for construction of roof, wall and floor of the dwelling unit, (ix) age of the house owned by the household, (x) construction /first hand purchase of houses/flats by the household for residential purpose, (xi) availability of electricity in the household for domestic use, (xii) problems of flies and mosquitoes faced by the household, (xiii) sources and sufficiency of drinking water of the household, (xiv) distance to the principal source of drinking water of the household, (xv) type of access of the household to the principal source of drinking water, (xvi) treatment and storage of drinking water by the household, (xvii) access of

the household to bathroom, (xviii) type of bathroom used by the household members, (xix) access of the household to latrine, (xx) type of latrine used by the household members, (xxi) reason for not using latrine by the household members despite the household having access to latrine, (xxii) disposal of faeces for children of age below three years, (xxiii) availability of water in or around the latrine used by the household etc.

1.3.1.3. Some of the major changes in the coverage of schedule of enquiry of NSS 76th round as compared to schedule of NSS 69th round are as follows:

- ❖ A new block viz. ‘demographic and other particulars of household member’ was introduced, for the first time, in the survey schedule of ‘Drinking Water, Sanitation, Hygiene and Housing
- ❖ Condition’. In this block, person level information on ‘age’, ‘gender’, ‘marital status’, ‘highest level of education’, ‘usual principal activity status’, ‘use of latrine’, ‘reason for not using latrine’ etc. was collected from the household members. Information on NIC and NCO was also collected in this block for the household members who were employed in the usual principal activity status.
- ❖ To determine the level of living of the household, information on ‘household’s usual monthly consumer expenditure’ was collected in NSS 76th round while information on ‘household consumer expenditure during last 30 days’ was collected in NSS 69th round. Household’s usual monthly consumer expenditure was obtained by collecting information on the four items viz. (a) usual consumer expenditure in a month for household purposes out of purchase, (b) imputed value of usual consumption in a month from home grown stock, (c) imputed value of usual consumption in a month from wages in kind, free collection, gifts etc. and (d) expenditure on purchase of household durables during last 365 days.
- ❖ In NSS 69th round, information on ‘maximum distance normally travelled to the place of work’ was collected for the earner of the household who normally travelled the maximum distance while in NSS 76th round, this information was collected separately for male earners, female earners and transgender earners of the household.

- ❖ In NSS 76th round, information on benefit received by the households from government schemes for drinking water, sanitation, housing, electrification and LPG connection facilities was collected for the first time.

(ii) Information on the following items was collected for the first time through the schedule of 'Drinking Water, Sanitation, Hygiene and Housing Condition' in NSS 76th round:

- (a) how long drinking water is stored
- (b) whether stored drinking water is covered
- (c) whether bathroom and latrine both are within the household premises
- (d) whether excreta from septic tank/pit latrine/composting latrine has ever been emptied
- (e) who emptied the excreta last time
- (f) place of disposal of excreta last time
- (g) amount paid (payable) for emptying the excreta last time
- (h) how frequently excreta is emptied
- (i) disposal of faeces for children of age below 3 years
- (j) availability of water in or around the latrine used
- (k) whether household members regularly wash their hands before meal
- (l) whether household members regularly wash their hands after defecation
- (m) whether the household faces problem of stagnant water in or around the household premises
- (n) whether human faeces are visible in or around the household premises
- (o) type of fuel used by household for cooking

1.3.2. Geographical Coverage and Sample Design

1.3.2.1. The survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ covered the whole of the Indian Union except the villages in Andaman and Nicobar Islands which were difficult to access.

1.3.2.2. A stratified two stage design was adopted for the NSS 76th round survey where the first stage units (FSU) were villages/UFS blocks/sub-units (SUs) and the ultimate stage units (USU) were households in both the sectors.

1.3.2.3. In NSS 76th round a village/UFS block was notionally divided into a number of sub - units (SUs) of more or less equal population/households during the preparation of frame. SUs were formed in the villages with population more or equal to 1,000 as per Census 2011 and no SU was formed in the remaining villages. While forming the SUs, Census 2011 population of villages was projected by applying suitable growth rates and the number of SUs to be formed in a village was determined a priori. In the urban areas, an UFS block with number of households more than or equal to 200 was divided into a number of SUs a priori and no SU was formed in the remaining UFS blocks. In rural areas, the First Stage Units (FSUs) were either SUs or the entire village and in urban areas, the First Stage Units (FSUs) were either SUs or the entire UFS block.

1.3.2.4. Each district was considered as a stratum. Within each district of a State/UT, generally speaking, two basic strata were formed: (i) rural stratum comprising of all rural areas of the district and (ii) urban stratum comprising of all the urban areas of the district. However, within the urban areas of a district, if there were one or more towns with population one million or more as per Census 2011, each of them formed a separate basic stratum and the remaining urban areas of the district was considered as another basic stratum. A special stratum, in the rural areas only, was formed at State/UT level before district level strata were formed in each State/UT. This stratum comprised all the uninhabited villages of the State/UT as per Census 2011. However, this special stratum was formed if at least 50 such villages were available in a State/UT. In both rural and urban areas, sub-strata were formed and villages/UFS blocks/sub units (SUs) were selected from each sub-stratum.

1.3.2.5. For canvassing Schedule 1.2, in each FSU, two Second Stage Strata (SSS) were formed viz. (i) SSS1: households having MPCE $\geq A$ and (ii) SSS2: households having MPCE $< A$ where, the cut-off point ‘A’ was determined for each NSS region for both rural and urban areas

separately, from the survey on Domestic Tourism Expenditure of NSS 72nd round, in such a way that top 10% of the population had MPCE more than or equal to 'A'. In each FSU, 2 and 10 households were selected from SSS1 and SSS2 respectively for canvassing Schedule 1.2.

1.3.2.6. For the central sample, the total number of FSUs surveyed for Schedule 1.2 of NSS 76th round was 8,992 at the all-India level of which 5,378 was in rural areas and 3,614 was in urban areas.

1.4 Contents of the report

1.4.1. All the estimates presented in this report are based on the state sample data collected through Schedule 1.2 of NSS 76th round. The field work for the state sample was carried out by Directorate of Economics & Statistics. Important indicators of living conditions of the household members have been developed and presented in this report at the state level. Some of the important indicators are (i) percentage of households with different tenurial status, use of house, type of structure, condition of structure, type of ventilation of the dwelling unit, (ii) average number of living/other rooms of the households, average floor area of the dwelling units of the households, (iii) percentage of households using improved sources of drinking water, getting sufficient drinking water, having drinking water facility within household premises, having access to latrine, using improved latrine facilities, having arrangement for garbage disposal, having drainage arrangement etc.

1.4.2. In NSS 76th round, information on 'benefits received by the household from the government schemes for drinking water, sanitation, housing, electrification and LPG connection facilities' was collected for the first time, prior to asking them about having access to these facilities, by using the household level questions: (i) whether ever received any benefit, (ii) if ever received, whether received any benefit during last 3 years and (iii) if received any benefit during last 3 years, the scheme from which maximum benefit was received.

1.4.2.1. It may be noted that, these single shot direct questions may not be appropriate to net the actual number of beneficiary households as there may be an inherent tendency of the respondent to give a negative reply on the presumption or expectation that a negative reply on benefits received and access to facilities, may help them to get additional benefits through government schemes. This respondent bias is difficult to isolate and measure using conventional survey

techniques. Further, as the survey was not focused to estimate number of households who received benefits from different government schemes, no second stage stratification of households was done in the sample design to capture sufficient number of households who received benefit from government schemes for each of the facilities of drinking water, sanitation, housing, electrification and LPG connection. These points are to be kept in mind while interpreting the results on the benefits received from different government schemes and access to the said facilities.

1.4.3. Since NSS 76th round survey was conducted during July - December 2018, the reference period for the survey results may be considered as the mid-point of the survey period July - December 2018 i.e., 01.10.2018.

1.4.4. This report contains Three Chapters and Three Appendices. Following the present introductory chapter (Chapter One), Chapter Two gives the concepts and definitions of different terms used for the survey on 'Drinking Water, Sanitation, Hygiene and Housing Condition' of NSS 76th round. Chapter Three presents summary of findings of the survey at the state level. Detailed tables forming the basis of this report are presented in Appendix A at state level. Relative standard errors for some of the key results are also given in Appendix A. An outline of the sample design and estimation procedure adopted in NSS 76th round survey is presented in Appendix B. Appendix C gives a facsimile of the Schedule 1.2 canvassed in NSS 76th round survey.

Chapter Two

Concepts *and Definitions*

Concepts and Definitions

2.1. Concepts and definitions of some important terms used in this report are described below.

2.2. Population coverage: The following rules regarding the coverage of population were adhered to in listing of households and persons during the survey operation.

1. Under-trial prisoners in jails and indoor patients of hospitals, nursing homes etc., were excluded, but residential staff therein was listed while listing was done in such institutions. The persons of the first category were considered as members of their parent households and were counted there. Convicted prisoners undergoing sentence were outside the coverage of the survey.
2. Floating population, i.e., persons without any normal residence were not listed. But households residing in open space, roadside shelter, under a bridge, etc., more or less regularly in the same place, were listed.
3. Neither foreign nationals nor their domestic servants were listed, if by definition the latter belonged to the foreign national's household. If, however, a foreign national became an Indian citizen for all practical purposes, he or she was covered.
4. Persons residing in barracks of military and paramilitary forces (like police, BSF, etc.) were kept outside the survey coverage due to difficulty in conduct of survey therein. However, civilian population residing in their neighbourhood, including the family quarters of service personnel, were covered.
5. Orphanages, rescue homes, *ashrams* and vagrant houses were outside the survey coverage. However, persons staying in old age homes, students staying in *ashrams/hostels* and the residential staff (other than monks/nuns) of these *ashrams/hostels* were listed. For orphanages, although orphans were not to be listed, the persons looking after them and staying there were considered for listing.

2.3. House: Every structure, tent, shelter, etc. was considered as a house irrespective of its use. It might have been used for residential or non-residential purpose or both or even might have been vacant.

2.4. Household: A group of persons who normally lived together and took food from a common kitchen constituted a household. It included temporary stay-aways (those whose total period of absence from the household was expected to be less than 6 months) but excluded temporary visitors and guests (expected total period of stay less than 6 months). Even though the determination of the actual composition of a household was left to the judgment of the head of the household, the following procedures were adopted as guidelines.

- ◆ Each inmate (including residential staff) of a hostel, mess, hotel, boarding and lodging house, etc., was considered as a single-member household. If a group of persons among them normally pooled their income for spending, they were considered to form a single household. For example, a family living in a hotel was treated as a single household.
- ◆ In deciding the composition of a household, more emphasis was given on 'normally living together' than on 'ordinarily taking food from a common kitchen'. In case the place of residence of a person was different from the place of boarding, he or she was treated as a member of the household with whom he or she resided.
- ◆ A resident employee, or domestic servant, or a paying guest (but not just a tenant in the household) was considered as a member of the household with whom he or she resided even though he or she was not a member of the same family.
- ◆ When a person usually slept in one place (say, in a shop or in a room in another house because of space shortage) but took food with his or her family, he or she was not treated as a single member household but as a member of the household in which other members of his or her family stayed.
- ◆ If a member of a family (say, a son or a daughter of the head of the family) stayed elsewhere (say, in hostel for studies or for any other reason), he/she was not considered as a member of his/her parent's household. However, he/she was listed as a single member household if the hostel was listed.

2.5. Household size: Total number of persons in the household constituted the household size.

2.6. Household premises: For this survey, household premises was defined as the dwelling unit of the household together with the courtyard, compound, garden, out-house, place of worship, garage, family graveyard, guest house, shop and offices for running household enterprises, tanks, wells, latrines, drains and boundary walls annexed to the dwelling unit which were under the possession of the household (possessed exclusively or possessed with some other households).

2.7. Dwelling unit: In this survey, dwelling unit was defined as the accommodation availed of by a household for its residential purpose. It might be an entire structure or a part thereof or consisting of more than one structure. There might be cases of more than one household occupying a single structure such as those living in independent flats or sharing a single housing unit, in which case, number of dwelling units was same as the number of households sharing the structure. There might also be cases of one household occupying more than one structure (i.e. detached structures for sitting, sleeping, cooking, bathing etc) for its housing accommodation. In this case, all the structures together constituted a single dwelling unit. In general, a dwelling unit consists of living room, kitchen, store, bath, latrine, garage, open and closed veranda etc. A structure or a portion thereof used exclusively for non-residential purposes or let out to other households did not form part of the dwelling unit of the household under consideration. However, a portion of a structure used for both residential and non-residential purposes was treated as part of the dwelling unit except when the use of such portion for residential purpose was very nominal. The dwelling unit covered all pucca, semi-pucca and katcha structures used by a household. Households living more or less regularly in tents, under bridges, in pipes, under staircase, in purely temporary flimsy improvisations built by the road side (which are liable to be removed at any moment) etc., were considered to have no dwelling.

2.8. Independent house: A dwelling unit was considered as an independent house if it had a separate structure and the structure was not shared with any other household. In other words, if the dwelling unit and the entire structure of the house were physically the same, it was considered as an independent house. In some parts, particularly in rural areas, two or more structures together constituted a single housing unit. While the main residence was in one of the structures, the other structures were used for sleeping, sitting and for store, bath etc. In all such cases, all the structures together formed an independent house.

2.9. Flat: A dwelling unit was considered as a flat if it was a part of a structure which was shared with at least two households and the dwelling unit had housing facilities of water supply, bathroom and latrine, which were used exclusively by the households or shared with households residing in that structure. If the household reported that the facilities of water supply, bathroom and latrine were shared with other households residing in other structures, such dwelling unit was considered as flat. If households were residing in flat-like structure without any one of the housing facilities like water supply, bathroom and latrine; those structures/dwelling units were not considered as flat.

2.10. Pucca structure: Pucca structure was defined as a structure whose walls and roofs were made of pucca materials such as cement, concrete, oven burnt bricks, hollow cement/ash bricks, stone, stone blocks, jack boards (cement plastered reeds), iron, zinc or other metal sheets, timber, tiles, slate, corrugated iron, asbestos cement sheet, veneer, plywood, artificial wood of synthetic material and poly vinyl chloride (PVC) material.

2.11. Katcha structure: A structure which had walls and roof made of non-pucca materials was considered as a katcha structure. Non-pucca materials included unburnt bricks, bamboo, mud, grass, leaves, reeds, thatch, etc. Katcha structures were of two types; (i) *Unserviceable katcha structure*, which included all structures with thatch walls and thatch roof, i.e., walls made of grass, leaves, reeds, etc. and roof of a similar material and (ii) *Serviceable katcha structure*, which included all katcha structures other than unserviceable katcha structures.

2.12. Semi-pucca structure: A structure which could not be classified as a pucca or a katcha structure was defined as semi-pucca structure. Such a structure had either the walls or the roof but not both, made of pucca materials.

2.13. Room: It was defined as a constructed area with walls or partitions on all side with at least one door way and a roof overhead. Wall/partition meant a continuous solid structure (except for the doors, windows, ventilators, air-holes, etc.) extending from floor to ceiling. A constructed space with grill or net on one or more sides in place of wall or partition was not considered as a room. In case of conical shaped structures in which the roof itself was built to the floor level, the roof was considered as wall.

2.14. Living room: A room with floor area (carpet area) of at least 4 square metres (i.e., approximately 43 square feet), a height of at least 2 metres (i.e., approximately 6.6 feet) from the floor to the highest point in the ceiling and used for living purposes was considered as a living room. Thus, rooms used as bedroom, sitting room, prayer room, dining room, servant's room - all were considered as living rooms provided they satisfy the size criterion. Kitchen, bathroom, latrine, store, garage etc. were not considered as living rooms. A room used in common for living purpose and as kitchen or store was also considered as living room.

2.15. Other room: It was defined as a room which did not satisfy the specification of 4 square metres floor area and 2 metres height from the floor to the highest point of the ceiling or a room which though satisfied the specification, was not used for living purposes. A room which

satisfied the size criterion but shared by more than one household or when used for both residential and business purposes was treated as other room.

2.16. Verandah: A roofed space adjacent to living/other room along the outside of the house and not walled from all sides was considered as verandah. In other words, at least one side of such space was either open or walled only to some height or protected by grill, net, etc. A verandah was defined as a ‘covered verandah’, if it was protected from all sides and an ‘uncovered verandah’, if it was not protected at least from one of the sides. A covered veranda could have a door also. Sometimes verandah was used as an access to the room(s). Corridor or passage within the dwelling unit was considered as portion of a room or a verandah depending on its layout. A common corridor or passage used mainly as an access to the dwelling was not considered as verandah.

2.17. Slums: Any compact settlement with a collection of poorly built tenements, mostly of temporary nature, crowded together, usually with inadequate sanitary and drinking water facilities in unhygienic conditions, was considered as a slum by the survey, provided at least 20 households lived there. The criterion of 20 households was not restricted within an FSU only but the whole of such an area which could cut across more than one FSU. Such settlements were considered as *notified slum* if they were notified so by the concerned State governments, municipalities, corporations, local bodies or development authorities; otherwise, they were considered as a *non-notified slum*. For this survey the word ‘slums’ included both *notified slums* and *non-notified slums*.

2.18. Squatter settlement: Slum like settlements with less than 20 households were considered as squatter settlements. The criterion of 20 households was not restricted within an FSU only but the whole of such an area which could cut across more than one FSU.

2.19. Land possessed: The area of land possessed by a household was defined as an area which included land ‘owned’, ‘leased in’ and ‘land neither owned nor leased in’ (i.e. encroached) by the household but excluded land ‘leased out’. The total land area possessed by the household as on the date of survey was considered.

- ❖ A piece of land was considered to be owned by the household if permanent heritable possession with or without the right to transfer the title vested in a member or members of the household. Land held in owner-like possession say, under perpetual lease,

hereditary tenure, long-term lease for 30 years or more, etc., was also considered as land owned.

- ❖ As regards lease, land given to others on rent or free by owner of the land without surrendering the right of permanent heritable title was defined as land leased out. Land leased in was defined as land taken by a household on rent or free without any right of permanent or heritable possession. The lease contract could be written or oral.
- ❖ For a piece of public/institutional land under the possession of the household, if the household did not have the title of ownership or did not have lease agreement for the use of land transacted, either verbally or in writing, such land was considered as 'neither owned nor leased in' i.e. otherwise possessed. Private land (i.e. land owned by the household sector) possessed by the household without title of ownership and occupancy right was not considered in the 'otherwise possessed' category. All private land encroached upon by the household was considered as leased-in land.
- ❖ Land possessed by the household members by virtue of family ties with the owner who stayed elsewhere (forms a different household), was considered as land leased in. For such owners (those found to be living away from their family members who were in possession of the land), the land was recorded as owned and leased out.
- ❖ Land owned, leased in, etc., by a particular household did not include the area of land owned, leased in, etc., by the servants/paying guests who were considered as normal members of the household. However, land owned/cultivated jointly by two or more households had been apportioned to determine the land owned/cultivated by any one of them.
- ❖ Land possessed by the households living in a block of flats was computed by apportioning the total area occupied by the building among the households in proportion to the size of the flats.

2.20. Household's usual consumer expenditure (Rs.) in a month: Household consumer expenditure (HCE) was defined as the sum total of monetary values of all goods and services consumed (out of purchase or procured otherwise) by the household on domestic account during a reference period. Household's usual monthly consumer expenditure was defined as the sum total of monetary values of all goods and services consumed by the household on domestic account with a monthly regularity. Unusual expenditures, such as, expenditure on social ceremonies, capitation fee, hospitalization etc. were excluded for deriving usual monthly

consumer expenditure of the household. However, expenditure on household durable goods was included and monthly expenditure on durable goods was derived by apportioning the total expenditure made by the household on durable goods during last 365 days.

2.21. Sources of finance for construction/first hand purchase of houses/flats for residential purpose: The different sources of finance considered for the survey are:

Own source (including own labour): This included the household labour and/or materials supplied from home, savings of the different members of the household, non-refundable amount (final withdrawal or part withdrawal drawn by some of the household members) from provident fund account by the household members, amount received from sale of assets, etc. Though this did not include materials used from free collection, the transport charges and the related hired and household labour associated with such free collection had been evaluated and recorded. Materials supplied from home had been evaluated at the ex-farm/ex-factory price.

Government: Money (including subsidy received either in cash or kind) received from the central or state governments to finance the construction had been considered under this category. When houses/flats were received free from central or state governments, the source of finance had also been considered as 'Government'.

Bank (Commercial Banks including regional rural bank, cooperative society/bank): Amount spent on construction out of money (including subsidy received either in cash or kind) taken from commercial banks, including nationalised banks, regional rural banks, State Bank of India and its associates like State Bank of Rajasthan, State Bank of Mysore, etc., and foreign commercial banks operating in India had been considered under this category. Similarly, money obtained from agencies such as co-operative society/banks, like district or central cooperative banks or other types of co-operative societies, etc. had also been included under this category.

Insurance: All loans taken from Life Insurance Corporation, Postal Life Insurance and other insurance funds had been considered as loans taken from 'insurance'.

Provident fund: Refundable advance/loans taken from a Provident Fund account, such as a Contributory Provident Fund, a General Provident Fund, a Public Provident Fund or any other provident fund in the public/private sector offices and companies, by the employees of the respective concerns, or account holders in case of a Public Provident Fund, were considered as 'Provident Fund'.

Financial corporations/institutions: Institutions such as Housing Development Finance Corporation Limited (HDFC), Housing and Urban Development Corporation Limited (HUDCO), etc., were considered under this category.

Other institutional agencies: Amount raised by the households from financial institutions other than those listed above was treated as loans from ‘Other Institutional Agencies’.

Self help group: A self help group (SHG) is a financial intermediary usually composed of between 10-12 local persons. Members make small regular savings contributions over a few month until there is enough capital in the group to begin lending. Funds are lent back to the members or at times to others. In India, many SHGs are linked to banks for the hand delivery of microcredit.

Money lender: Persons who lend money on interest had been considered as moneylenders.

Friends and relatives: Friends and relatives in this particular context are those who (i) are not the household members of the selected household and (ii) gifted money/material for construction/purchase of houses/flats or lent money free of interest. A friend or relative who charged interest for any loan advanced was regarded as money lender.

Other non-institutional agencies: Any non-institutional credit agency not covered above was considered under this category.

2.22. Principal source of drinking water: The different principal sources of drinking water considered for the survey are:

Bottled drinking water: Drinking water packaged in bottles, jars, pouches, and similar containers was classified as bottled drinking water. Generally this packaged drinking water meets certain safety standards and are considered safe for drinking. Tap water, well water, etc., kept by households in bottles, for convenience, and was not treated as bottled drinking water.

Piped water into dwelling and piped water to yard/plot: If an arrangement was made by corporation, municipality, panchayat or other local authorities or any private or public housing estate or agency to supply water through pipe and if the sample household availed such facility for drinking, then such sources of drinking water was considered as piped water. Piped water into dwelling was defined as a piped water connection to one or more taps to the dwelling unit (e.g., in the kitchen). Piped water to yard/plot was defined as a piped water connection to a tap

placed outside the dwelling unit of the household but in the yard or plot within the household premises.

Piped water from neighbour: If an arrangement was made by the sample household to avail drinking water from the piped water of the neighbour household supplied by corporation/municipality/panchayat or other local authorities or any private or public housing estate or agency, then the source of drinking water for the sample household was considered as 'piped water from neighbour'. If the sample household collected drinking water from more than one neighbour, then also source of drinking water for the sample household was considered as 'piped water from neighbour'.

Public tap/standpipe: Public tap or standpipe is a water point for community use in which water is supplied through pipe by corporation/municipality/panchayat or other local authorities or any private agency. Public tap/standpipe can have one or more taps and are typically made of brickwork, masonry or concrete.

Tube well and Hand pump: Tube well and hand pump are bore well used for extracting ground water for drinking purpose. If the pump of the bore well is operated by animal, wind, electric, diesel or solar means etc., it is known as tube well and if the pump is operated manually by hand using human power and mechanical advantage to lift ground water, it is known as hand pump.

Protected well/unprotected well: A well is considered as protected if it has generally the following protective measures to lower the risk of contamination:

- a. A headwall around the well with a properly fitting cover
- b. A concrete drainage platform around the well with a drainage channel
- c. A hand pump or bucket with windlass

If instead of hand pump or bucket with windlass, electric pump was used to pump water from such wells, where the conditions (a) and (b) exist, it was considered as protected well. A well which was not protected by the above measures, e.g., the well not protected from runoff water or the well not protected from bird droppings and animals, was classified as unprotected well.

Tanker-truck: public/private: In 'tanker-truck', drinking water is trucked to a locality and supplied from tanker to the households of the locality. If the 'tanker-truck' was operated by any government agencies (central/state/local bodies etc.) and the sample household reported that it was their principal source of drinking water then the source of drinking water of the household

was recorded as 'public tanker-truck'. In case the 'tanker-truck' was operated by private agencies (NGOs, trusts etc.) and the sample household reported that it was their principal source of drinking water, then the source of drinking water of the household was considered as 'private tanker-truck'.

Protected spring/unprotected spring: A spring was considered as protected, if it was protected from runoff, bird droppings and animals by a 'spring box', constructed of brick, masonry or concrete and built around the spring so that water flowed directly out of the box into a pipe or cistern, without being exposed to outside pollution. A spring which was not protected was called unprotected spring.

Rainwater collection: Rainwater refers to rain that is collected or harvested from surfaces (by roof or ground catchment) and stored in a container, tank or cistern until used. Traditionally, rainwater collection has been practised in arid and semi-arid areas to get drinking water of the household and water for other uses. When such water was used for drinking purpose, the source of drinking water was considered as rainwater collection.

Surface water: Surface water is water located above ground and includes rivers, dams, lakes, ponds, streams, canals and irrigation channels. For surface water, two distinct categories were provided, one for 'tank/pond' and another for 'other surface water (river, dam, stream, canal, lake, etc.).

Others (cart with small tank or drum, etc.): In 'cart with small tank or drum', water is supplied in small tank or drum to a locality by donkey carts, motorized vehicles and other means.

2.22.1. The source of drinking water of same type located at two different places was not treated as two different sources of drinking water. Drinking water carried through pipe from sources like tanker-truck, well, tank, river, etc., by the owner/occupants only for convenience of the household was not treated as piped water (i.e., piped water into dwelling or piped water to yard/plot). Instead, the actual source from which water was carried through pipe had been considered as the principal source of drinking water. When a household made arrangement for getting drinking water by hiring the services of persons, the source of water was considered as the one from which water was collected by the hired person.

2.23. Type of latrine used by the household: The different types of latrine considered for the survey are:

Flush/pour-flush: Flush latrine uses a cistern or holding tank for flushing water, and a water seal (which is a U-shaped pipe below the seat or squatting pan) that prevents the passage of flies and odours. A pour-flush latrine uses a water seal, but unlike a flush latrine, it uses water poured by hand for flushing (no cistern is used). Depending on the system/site where human excreta and waste water are disposed off, flush/pour-flush latrine can be of the following types: (i) piped sewer system, (ii) septic tank, (iii) twin leach pit, (iv) single pit, (v) elsewhere (open drain, open pit, open field, etc.).

Flush/pour-flush to piped sewer system: Piped sewer system is a system of sewer pipes, also called sewerage that is designed to collect human excreta and waste water and remove them from the household environment.

Flush/pour-flush to septic tank: Septic tank is an excreta collection device consisting of a water-tight settling tank, which is normally located underground. The treated effluent of a septic tank usually seeps into the ground through a leaching pit.

Flush/pour-flush to twin leach pits/single pit: In twin pit flush/ pour-flush latrine, the excreta are carried into subsurface leach pits through pipes or covered drains and one pit is used at a time. The liquid infiltrates into the soil through the holes in the pit lining. The gases also disperse into the soil, and therefore, the provision of a vent pipe for its outlet is not necessary. When one pit is full, the excreta are diverted to the second pit. The filled pit can be conveniently emptied after a rest period of one and a half years, during which pathogens are inactivated and the organic matter decomposed. Thus the two pits can be used alternately and continuously. In a single pit system desludging is required immediately after the pit has filled up, and therefore involves handling of fresh and undigested excreta which is hazardous to health. Single leach pits are appropriate only if mechanical deluding vacuum tanker is readily available, or if the pit is abandoned when full.

Flush/pour-flush to elsewhere (open drain, open pit, open field, etc): This type of latrine refers to the system of flush/pour-flush latrine where excreta are disposed of near the household environment (not into a pit, septic tank, or sewer). Excreta may be flushed to the open drain, open pit, open field, etc.

Ventilated improved pit latrine: This is a dry pit latrine ventilated by a pipe that extends above the latrine roof. The open end of the vent pipe is covered with gauze mesh or fly-proof netting and the inside of the super structure is kept dark.

Pit latrine with slab: This is a dry pit latrine that uses a hole in the ground to collect the excreta and a squatting slab or platform that is firmly supported on all sides, easy to clean and raised above the surrounding ground level to prevent surface water from entering the pit. The platform has a squatting hole, or is fitted with a seat. Unlike the ventilated improved pit latrine, in this type of latrine vent pipe is not used.

Pit latrine without slab/open pit: Pit latrine without slab uses a hole in the ground for excreta collection and does not have a squatting slab, platform or seat.

Composting latrine: This is a dry latrine into which carbon-rich material (vegetable wastes, straw, grass, sawdust, ash) are added to the excreta and special conditions maintained to produce inoffensive compost.

Others: Examples of such latrine are (i) hanging latrine which is built over the sea, a river, or other body of water, into which excreta drops directly, (ii) service latrine which are serviced by scavengers.





Chapter Three

Summary of findings

Summary of Findings

3.1. Introduction

3.1.1. In this Chapter, key results of the survey on ‘Drinking Water, Sanitation, Hygiene and Housing Condition’ of NSS 76th round (July – December 2018) as obtained from the State sample data are presented.

3.2. First stage units and households surveyed

3.2.1 In Kerala, the total number of first stage units (FSUs) surveyed for Schedule 1.2 of NSS 76th round was 284 for the state sample (142 each in rural and in urban areas) and the total number of households surveyed was 3355 (1652 in rural areas and 1703 in urban areas).

3.3. Estimated number of households and persons

3.3.1 The number of households and persons along with average size of household in Kerala, as estimated from the survey, is given below in Statement 1. It may be noted that this survey was not specifically designed to estimate number of households and persons but these figures are given in the report keeping in mind that these can be used to combine rates and ratios pertaining to different indicators.

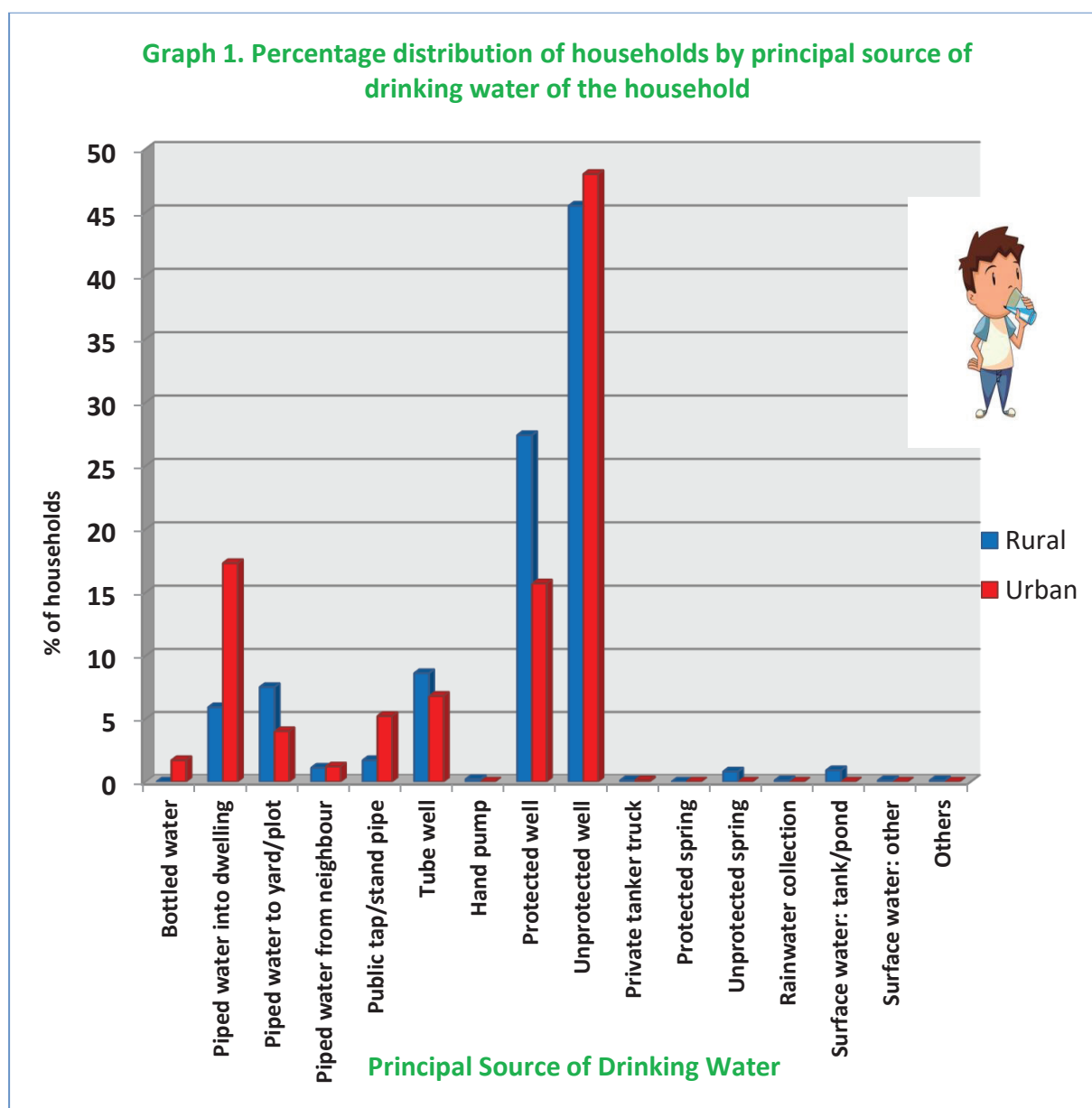
| Statement 1 :Estimated number of households, estimated number of persons and average household size | | | | |
|---|--------------------------------|--------|--------|--------|
| Sl. No | Description of item | Rural | Urban | All |
| 1 | Estimated number of households | 42481 | 41285 | 83766 |
| 2 | Estimated number of persons | 165818 | 155333 | 321151 |
| 3 | Average household size (0.0) | 3.9 | 3.8 | 3.8 |

3.4. Drinking Water

3.4.1. Principal source of drinking water of the household: In this survey, the source of water from which the household obtained most of its drinking water during the last 365 days was considered as the principal source of drinking water of the household. The information on principal source of drinking water of the household was collected in terms of the seventeen categories viz. (i) bottled water, (ii) piped water into dwelling, (iii) piped water to yard/plot, (iv) piped water from neighbour, (v) public tap/standpipe, (vi) tube well, (vii) hand pump, (viii) protected well, (ix) unprotected well, (x) public tanker truck, (xi) private tanker truck, (xii) protected spring, (xiii) unprotected spring, (xiv) rainwater collection, (xv) tank/pond, (xvi) other surface water (river, dam, stream, canal, lake, etc.) and (xvii) others (cart with

small tank or drum, etc.). The percentage distribution of households, by principal source of drinking water of the household as obtained from the survey is given below in Statement 2. A pictorial representation of the same is given in Graph-1.

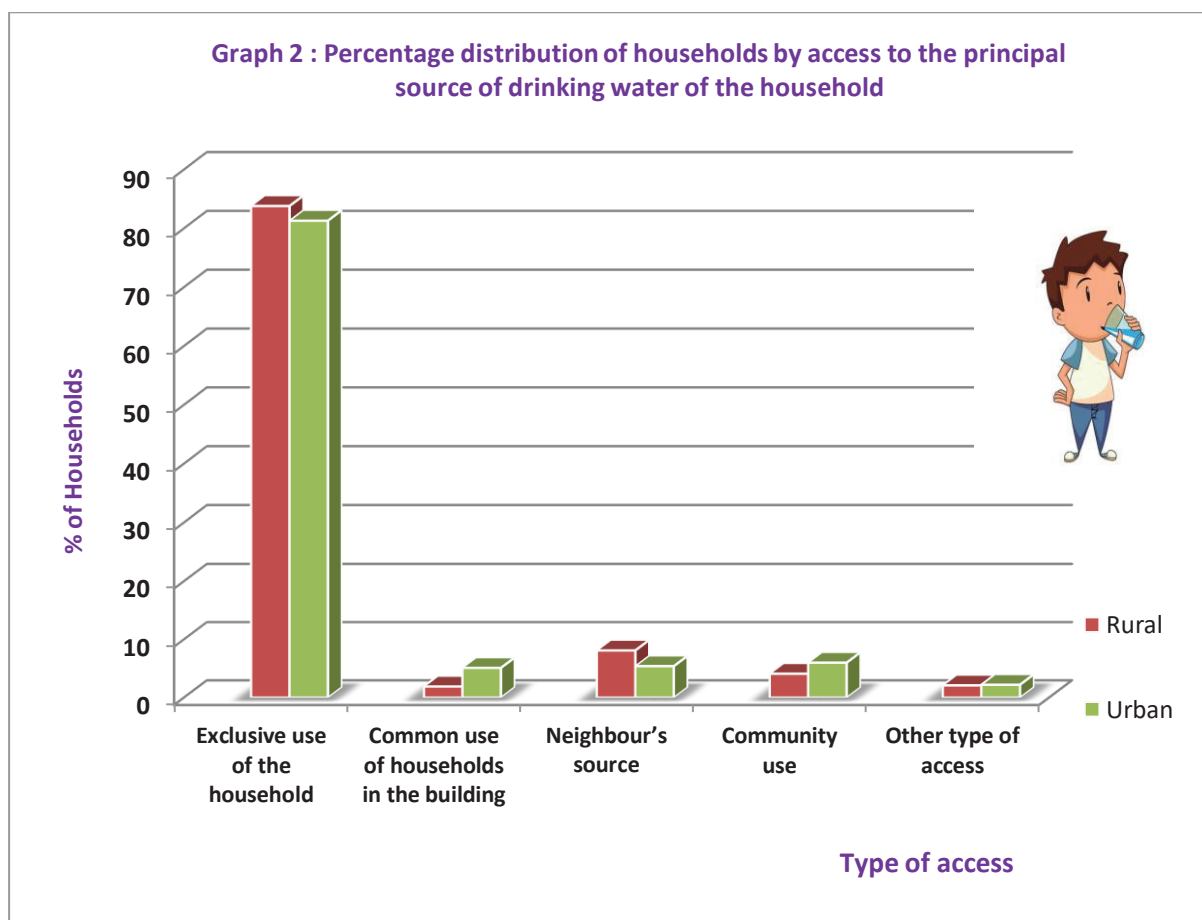
| Statement 2: Percentage distribution of households by principal source of drinking water of the household | | | | |
|---|---|--|--------------|------------|
| Sl.No | Principal source of drinking water | Percentage distribution of households | | |
| | | Rural | Urban | All |
| 1 | Bottled water | 0 | 1.7 | 0.8 |
| 2 | Piped water into dwelling | 5.9 | 17.3 | 11.5 |
| 3 | Piped water to yard/plot | 7.5 | 4 | 5.8 |
| 4 | Piped water from neighbour | 1.1 | 1.2 | 1.2 |
| 5 | Public tap/stand pipe | 1.7 | 5.2 | 3.5 |
| 6 | Tube well | 8.6 | 6.8 | 7.7 |
| 7 | Hand pump | 0.2 | 0 | 0.1 |
| 8 | Protected well | 27.4 | 15.7 | 21.6 |
| 9 | Unprotected well | 45.5 | 48 | 46.7 |
| 10 | Private tanker truck | 0.1 | 0.1 | 0.1 |
| 11 | Protected spring | 0 | 0 | 0 |
| 12 | Unprotected spring | 0.8 | 0 | 0.4 |
| 13 | Rainwater collection | 0.1 | 0 | 0 |
| 14 | Surface water: tank/pond | 0.9 | 0 | 0.5 |
| 15 | Surface water: other | 0.1 | 0 | 0 |
| 16 | Others | 0 | 0 | 0 |
| 17 | All | 100 | 100 | 100 |
| <i>Note: Figure 0 indicates negligible percentage of households corresponding to particular principal source of drinking water.</i> | | | | |



3.4.2. Access of household to principal source of drinking water: In this survey, access to the principal source of drinking water was defined in terms of the prevailing situation of use of the source of drinking water and not the legal right to use. The information on access to principal source of drinking water of the household was collected in terms of the eight categories viz. (i) exclusive use of household, (ii) common use of households in the building, (iii) neighbour's source, (iv) public source restricted to particular community, (v) public source unrestricted, (vi) private source restricted to particular community, (vii) private source unrestricted and (viii) others. The percentage distribution of households, in Kerala, by access to the principal source of drinking water of the household as obtained from the survey is given in Statement 3.

| Statement 3: Percentage distribution of households by access to the principal source of drinking water of the household | | | | |
|---|---|---------------------------------------|-------|------|
| Access to principal source of drinking water | | Percentage distribution of households | | |
| | | Rural | Urban | All |
| Exclusive use of the household | | 83.8 | 81.3 | 82.6 |
| Common use of households in the building | | 1.9 | 5.1 | 3.5 |
| Neighbour's source | | 8.1 | 5.4 | 6.8 |
| Community use | Public source restricted to particular community | 0.9 | 0 | 0.4 |
| | Public source unrestricted | 2.3 | 5.8 | 4 |
| | Private source restricted to particular community | 0.8 | 0 | 0.4 |
| | Private source unrestricted | 0.1 | 0.2 | 0.1 |
| Other type of access | | 2.1 | 2.2 | 2.2 |
| All | | 100 | 100 | 100 |

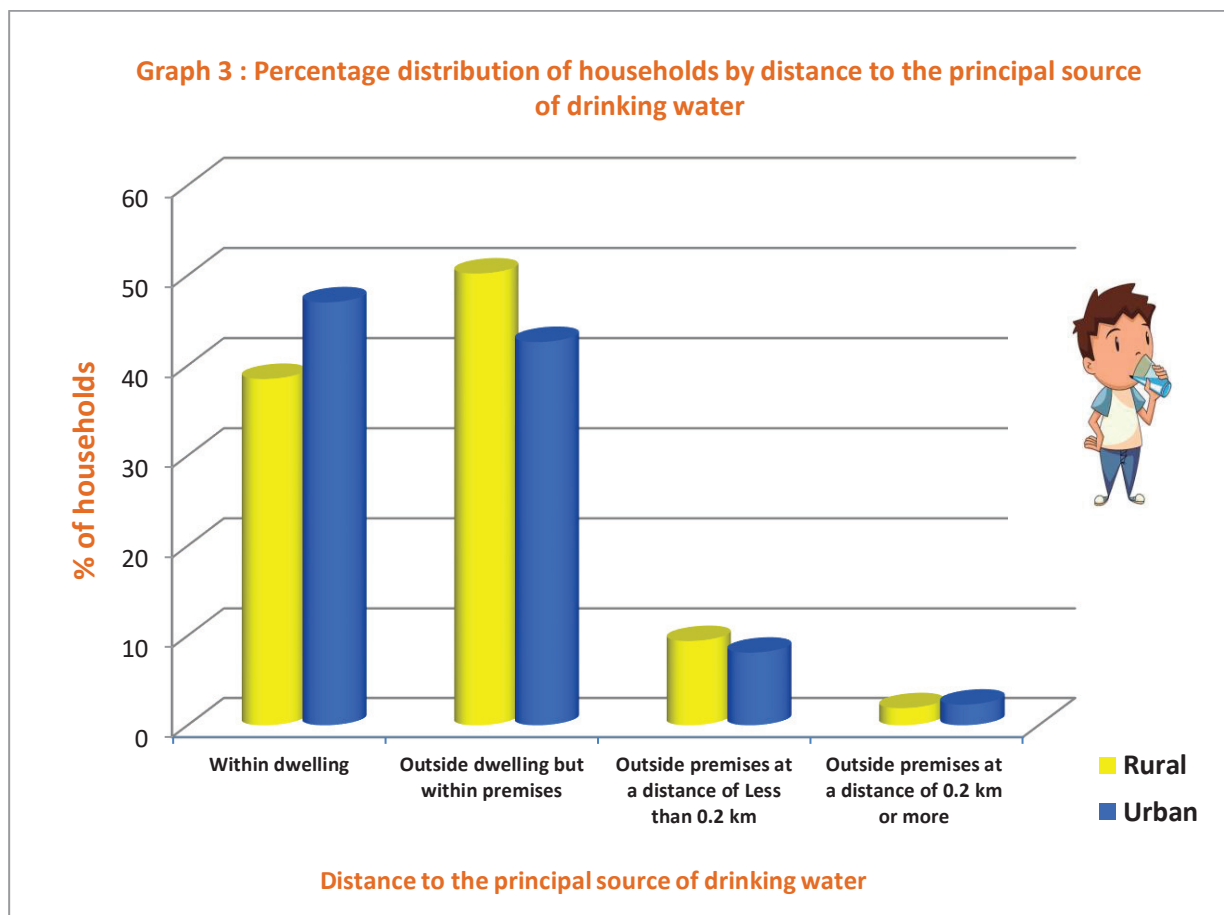
A pictorial representation of the percentage distribution of households by access to the principal source of drinking water of the household in Kerala is given in Graph 2.



3.4.3. Sufficiency of drinking water from principal source, Distance to the principal source of drinking water and Supplementary source of drinking water of the household

In this survey the availability of drinking water from the principal source was considered as sufficient throughout the year if in each of the calendar months of the year availability of drinking water was sufficient. For the households that used more than one source of drinking water during the last 365 days, the supplementary source of drinking water was considered as the second source of drinking water from where most of the drinking water was obtained after the principal source of drinking water. The percentage distribution of households by distance to the principal source of drinking water, percentage of households not getting sufficient drinking water throughout the year and percentage of households reported no supplementary source of drinking water, in the state is given in Statement 4. The pictorial representation of the percentage distribution of households by distance to the principal source of drinking water in the state is given in Graph 3.

| Statement 4: Percentage distribution of households by distance to the principal source of drinking water, percentage of households not getting sufficient drinking water throughout the year and percentage of households reported no requirement of supplementary source of drinking water | | | | |
|--|------------------|--------------|--------------|------------|
| Description of items | | Rural | Urban | All |
| 1. Percentage distribution of households by distance to the principal source of drinking water | | | | |
| Within dwelling | | 38.5 | 47 | 42.7 |
| Outside dwelling but within premises | | 50.2 | 42.6 | 46.4 |
| Outside premises at a distance of: | Less than 0.2 km | 9.4 | 8.1 | 8.8 |
| | 0.2 – 0.5 km | 0.9 | 2 | 1.4 |
| | 0.5 – 1.0 km | 0.2 | 0.2 | 0.2 |
| | 1.0 – 1.5 km | 0.2 | 0.1 | 0.1 |
| | 1.5 km or more | 0.6 | 0.1 | 0.3 |
| All | | 100 | 100 | 100 |
| 2. Percentage of households getting sufficient drinking water from principal source throughout the year | | 79.7 | 88.4 | 84 |
| 3. Percentage of households reported no requirement of supplementary source of drinking water | | 71.1 | 75.6 | 73.3 |



The percentage distribution of households having exclusive access to principal source of drinking water located in the household premises is given in statement 5

| Statement 5: Percentage of households having exclusive access to principal source of drinking water located in the household premises | | | |
|---|--------------------------|-------|------|
| Description of items | Percentage of households | | |
| | Rural | Urban | All |
| Households having exclusive access to principal source of drinking water located in the household premises | 83.8 | 81.3 | 82.6 |

3.4.4. Improved principal source of drinking water of the household

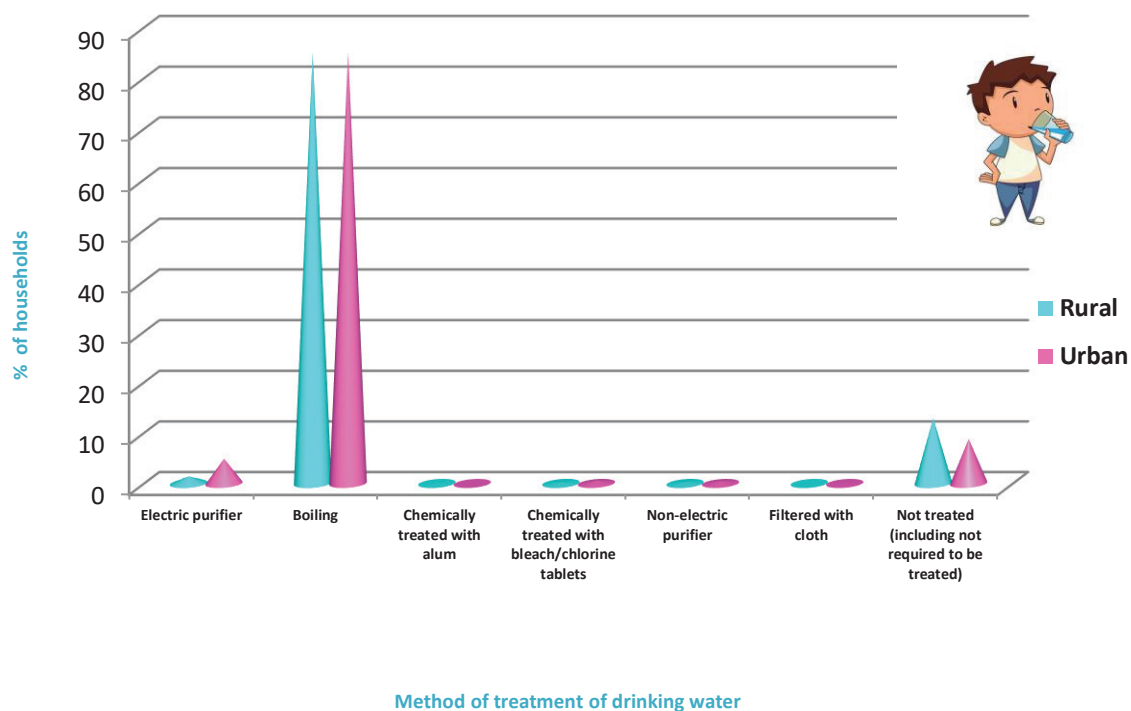
In this survey, information on principal source of drinking water of the household was collected in terms of the seventeen categories as mentioned in paragraph 3.4.1. Out of these seventeen categories, the sources (i) bottled water, (ii) piped water into dwelling, (iii) piped water to yard/plot, (iv) piped water from neighbour, (v) public tap/standpipe, (vi) tube well, (vii) hand pump, (viii) protected well, (ix) public tanker truck, (x) private tanker truck, (xi) protected spring and (xii) rainwater collection are considered as improved sources of drinking water. The percentage of households with improved source of drinking water at the state level as obtained from NSS 76th round is given in Statement 6.

| Statement 6: Percentage of households with improved sources of drinking water in Kerala | | |
|--|--------------|------------|
| Rural | Urban | All |
| 88.7 | 89.6 | 89.1 |

3.4.5 Method of treatment of drinking water by the household

In this survey, information on treatment of drinking water was collected considering the usual practice of the household to treat drinking water received from all the sources (either principal or supplementary or both) to improve its quality. The percentage distribution of households, by method of treatment of drinking water is given in Statement 7 and its pictorial representation is given in Graph 4

| Statement 7: Percentage distribution of households by method of treatment of drinking water. | | | |
|---|--|--------------|------------|
| Method of treatment of drinking water | Percentage distribution of households | | |
| | Rural | Urban | All |
| Electric purifier | 1.4 | 4.9 | 3.1 |
| Boiling | 85 | 85.1 | 85 |
| Chemically treated with alum | 0.1 | 0 | 0.1 |
| Chemically treated with bleach/chlorine tablets | 0.3 | 0.6 | 0.4 |
| Non-electric purifier | 0.3 | 0.5 | 0.4 |
| Filtered with cloth | 0 | 0.1 | 0.1 |
| Not treated (including not required to be treated) | 12.9 | 8.8 | 10.9 |
| All | 100 | 100 | 100 |

Graph 4 : Percentage distribution of households by method of treatment of drinking water

3.4.6. Storing of drinking water and method of taking out stored drinking water from the main container.

If the household usually stored most of the drinking water received from all the sources, it was considered that the household was storing drinking water. The percentage distribution of households, by material of main container used for storing drinking water, by duration of storing of drinking water, by method of taking out drinking water from the main container, and by which covered main container used for storing drinking water are given in Statement 8.

| Statement 8: Percentage distribution of households by material of main container used for storing drinking water, by duration of storing of drinking water and by method of taking out drinking water from the main container and percentage of households which covered the main container | | | | |
|--|-----------------|--------------|--------------|------------|
| Description of items | | Rural | Urban | All |
| 1. Percentage distribution of households by material of main container used for storing of drinking water. | | | | |
| Non-metal | Earthen | 2.6 | 1.7 | 2.2 |
| | Plastic | 21.6 | 17.7 | 19.7 |
| | Other | 0.6 | 1.9 | 1.3 |
| Metal | Iron | 0 | 0 | 0 |
| | Copper | 0.1 | 0.2 | 0.1 |
| | Stainless steel | 63.9 | 66 | 64.9 |
| | Brass | 0.4 | 0.1 | 0.3 |
| | Other | 9.3 | 8.8 | 9.1 |
| Not stored drinking water | | 1.5 | 3.6 | 2.5 |
| All | | 100 | 100 | 100 |
| 2. Percentage distribution of households by duration of storing of drinking water | | | | |
| Less than 1 day | | 78.5 | 79.6 | 79 |
| 1 day or more but less than 3 days | | 20.3 | 18.5 | 19.4 |
| 3 days or more | | 1.2 | 1.9 | 1.6 |
| All | | 100 | 100 | 100 |
| 3. Percentage distribution of households by method of taking out stored drinking water | | | | |
| Through tap | | 9.3 | 15.1 | 12.1 |
| Vessel with handle | | 46.6 | 45.2 | 45.9 |
| Vessel without handle | | 10.5 | 12 | 11.2 |
| Poured out | | 33.6 | 27.7 | 30.7 |
| All | | 100 | 100 | 100 |
| 4. Percentage of households which covered main container used for storing drinking water | | | | |
| Households which covered main container used for storing drinking water | | 98.9 | 98.6 | 98.7 |

3.5 Bathroom

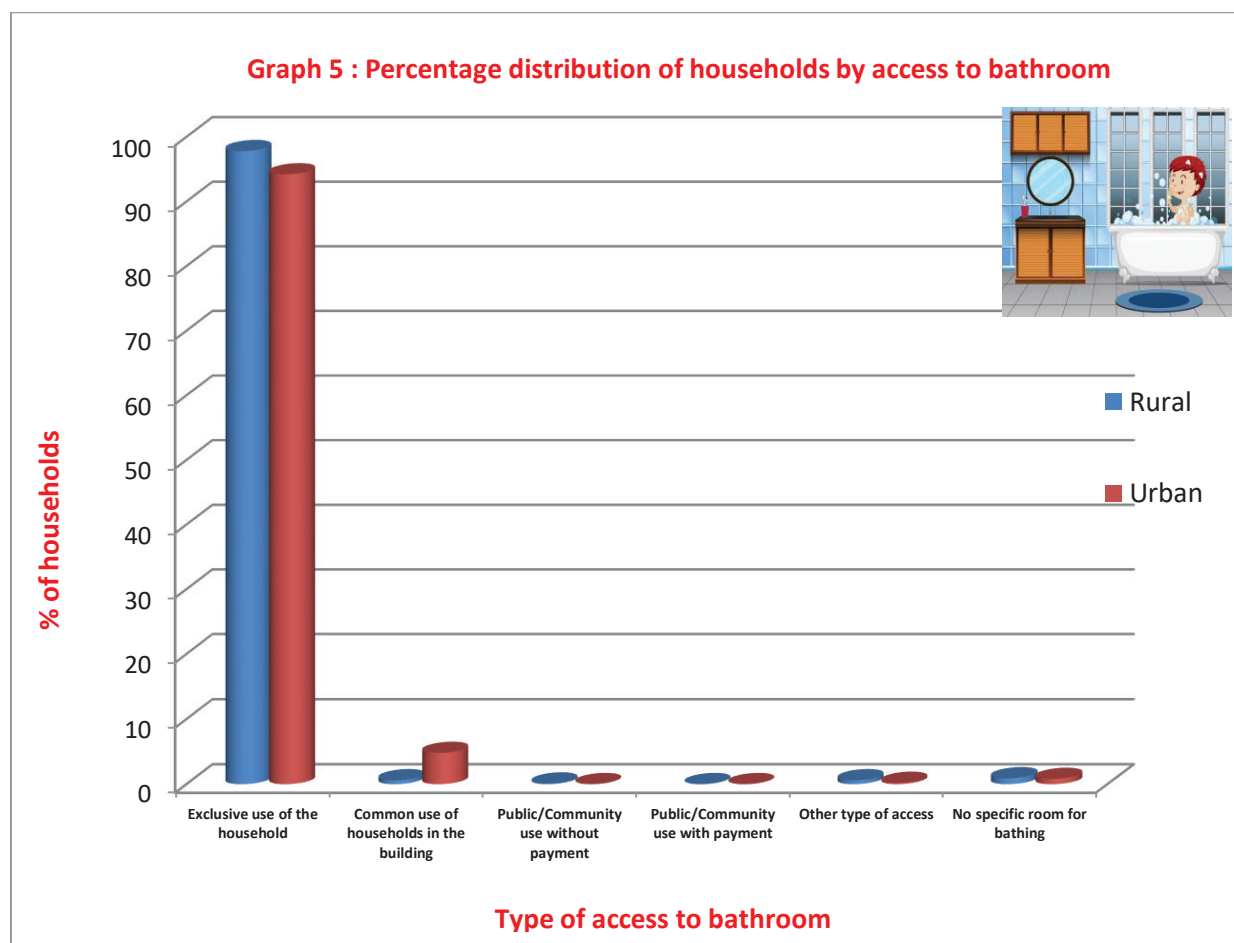
3.5.1 Access of household to bathroom

In this survey, a bathing place which satisfied the criteria of a room was considered as a bathroom. It was considered that the household had access to bathroom if majority of the household members could use bathroom facility irrespective of whether it was used by them or not. Information on access to bathroom was collected in terms of six categories viz. (i) exclusive use of household, (ii) common use of households in the building, (iii)

public/community use without payment, (iv) public/community use with payment, (v) others and (vi) no bathroom. The percentage distribution of households, is given in Statement 9.

| Statement 9: Percentage distribution of households by access to bathroom | | | |
|---|--|--------------|------------|
| Access to bathroom | Percentage distribution of households | | |
| | Rural | Urban | All |
| Exclusive use of the household | 97.8 | 94.2 | 96 |
| Common use of households in the building | 0.6 | 4.8 | 2.7 |
| Public/Community use without payment | 0.1 | 0.0 | 0.1 |
| Public/Community use with payment | 0.0 | 0.0 | 0.0 |
| Other type of access | 0.6 | 0.2 | 0.4 |
| No specific room for bathing | 0.9 | 0.8 | 0.9 |
| All | 100 | 100 | 100 |

Note: Figure 0.0 indicates negligible percentage of households corresponding to particular type of access to bathroom.



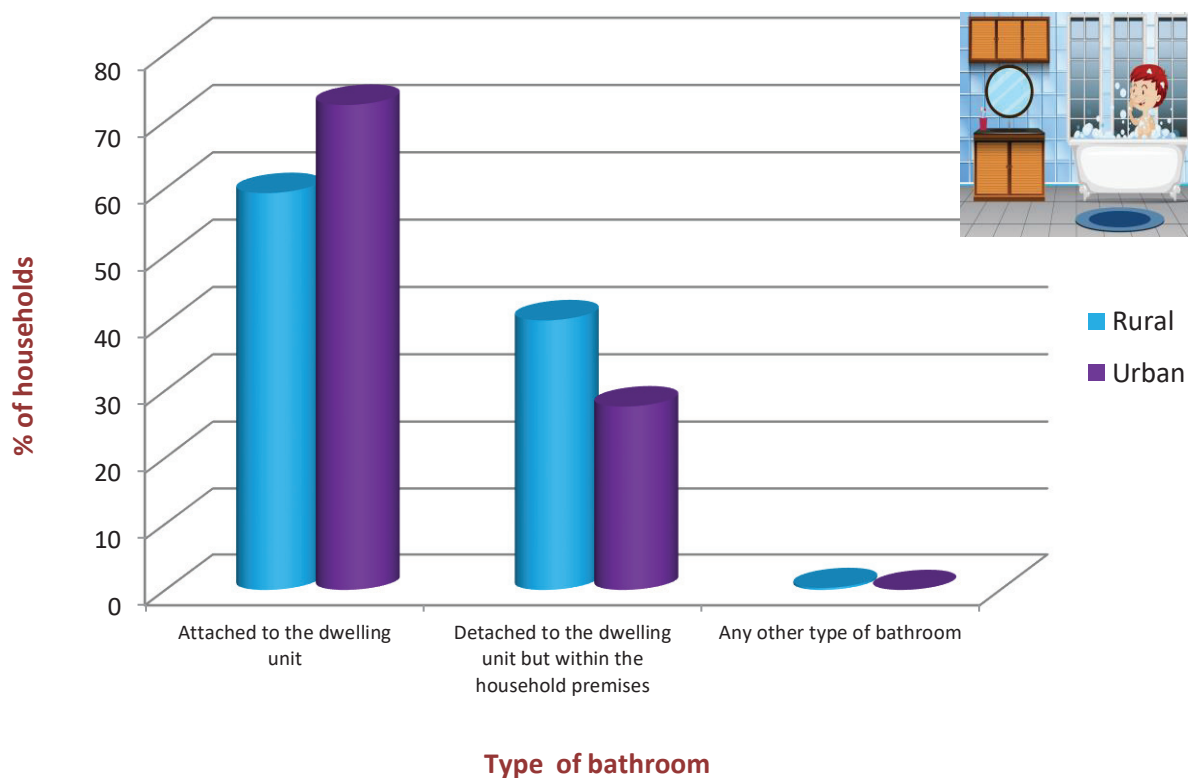
3.5.2. Type of bathroom used by the households

The percentage distribution of households which had access to bathroom by type of bathroom used by them is given below in Statement 10.

Statement 10: Percentage distribution of households which had access to bathroom by type of bathroom used by them

| Type of bathroom used | Percentage distribution of households | | |
|---|---------------------------------------|-------|------|
| | Rural | Urban | All |
| Attached to the dwelling unit | 59.3 | 72.4 | 65.7 |
| Detached to the dwelling unit but within the household premises | 40.4 | 27.6 | 34.1 |
| Any other type of bathroom | 0.3 | 0 | 0.2 |
| Did not used bathroom | 0 | 0 | 0 |
| All | 100 | 100 | 100 |

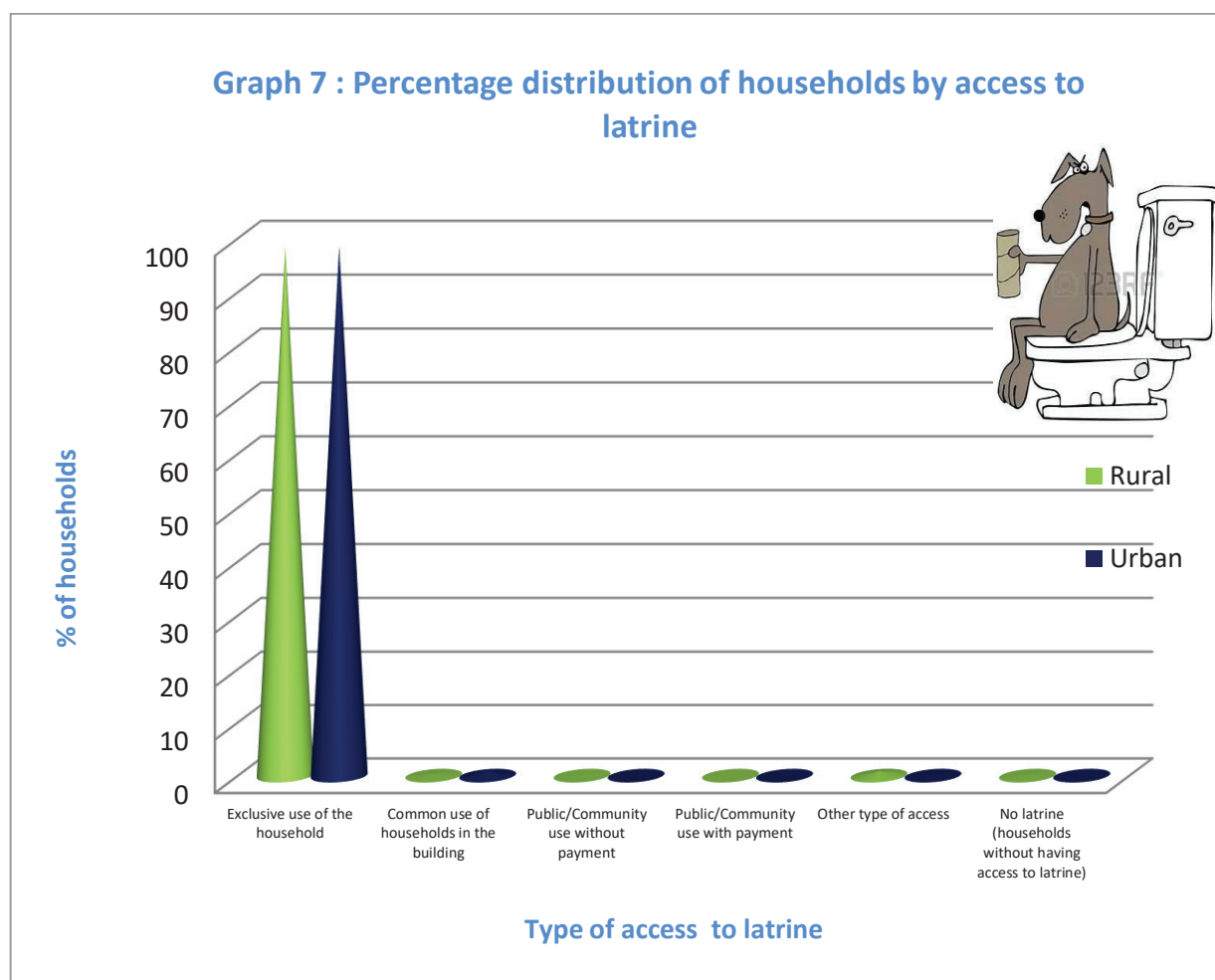
Graph 6 : Percentage distribution of households which had access to bathroom by type of



3.6.1. Access of household to latrine

For the purpose of this survey, it was considered that the household had access to latrine if majority of the household members had the facility of using latrine irrespective of whether it was used by them or not. Information on access to latrine was collected in terms of six categories viz. (i) exclusive use of household, (ii) common use of households in the building, (iii) public/community use without payment, (iv) public/community use with payment, (v) others and (vi) no latrine. A household was categorised as ‘having access to latrine’, if majority of the household members had the facility of using the latrine irrespective of the situation whether they used it or not. The percentage distribution of households, by access to latrine is given below in statement 11 and its pictorial representation is given in Graph 6.

| Statement 11: Percentage distribution of households by access to latrine | | | |
|---|--|--------------|------------|
| Access to latrine | Percentage distribution of households | | |
| | Rural | Urban | All |
| Exclusive use of the household | 98.5 | 98.6 | 98.6 |
| Common use of households in the building | 0.3 | 1.1 | 0.7 |
| Public/Community use without payment | 0.1 | 0 | 0.1 |
| Public/Community use with payment | 0 | 0 | 0 |
| Other type of access | 0.9 | 0.2 | 0.5 |
| Total | 99.8 | 99.9 | 99.9 |
| No latrine (households without having access to latrine) | 0.2 | 0.1 | 0.2 |
| All | 100 | 100 | 100 |
| Note 1: Figure 0.0 indicates negligible percentage of households corresponding to particular type of access to latrine. | | | |



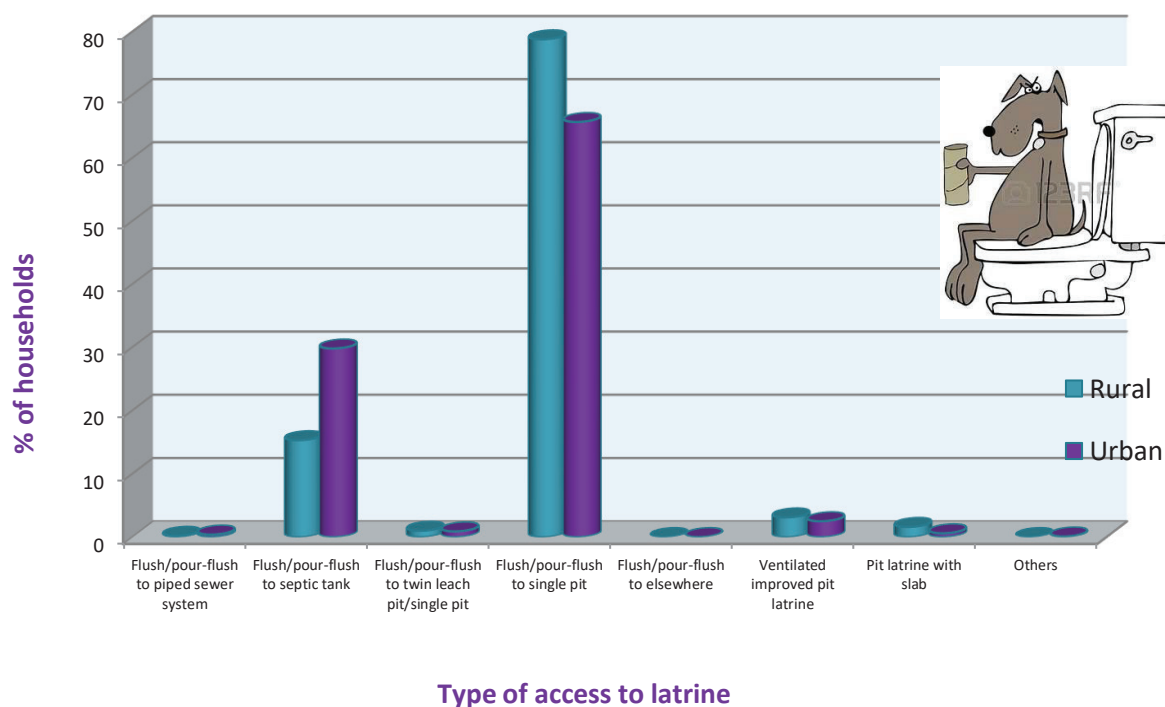
3.6.2 Type of latrine used by the households

For the households with access to latrine, information on type of latrine used by them was collected in this survey in terms of eleven categories viz. (i) flush/pour-flush to piped sewer system, (ii) flush/pour-flush to septic tank, (iii) flush/pour-flush to twin leach pit, (iv) flush/pour-flush to single pit, (v) flush/pour-flush to elsewhere (open drain, open pit, open field, etc.), (vi) ventilated improved pit latrine, (vii) pit latrine with slab, (viii) pit latrine without slab/open pit, (ix) composting latrine, (x) others and not used. It was considered that the household used latrine if latrine was generally used by majority of the household members. The percentage distribution of households having access to latrine by type of latrine used by them is given in Statement 12 and it is pictorially represented in Graph 8.

Statement 12: Percentage distribution of households having access to latrine by type of latrine used by them

| Type of latrine used | Percentage distribution of households | | |
|---|---------------------------------------|-------|------|
| | Rural | Urban | All |
| Flush/pour-flush to piped sewer system | 0.2 | 0.4 | 0.3 |
| Flush/pour-flush to septic tank | 15.3 | 29.8 | 22.5 |
| Flush/pour-flush to twin leach pit/single pit | 1 | 0.9 | 1 |
| Flush/pour-flush to single pit | 78.8 | 65.7 | 72.3 |
| Flush/pour-flush to elsewhere | 0 | 0 | 0 |
| Ventilated improved pit latrine | 3.1 | 2.5 | 2.8 |
| Pit latrine with slab | 1.6 | 0.6 | 1.1 |
| Pit latrine without slab/open pit | 0 | 0 | 0 |
| Composting latrine | 0 | 0 | 0 |
| Improved latrine | 100 | 99.9 | 100 |
| Others | 0 | 0.1 | 0 |
| Not used | 0 | 0 | 0 |
| All | 100 | 100 | 100 |

Note: Figure 0 indicates negligible percentage of households corresponding to particular type of latrine used.

Graph 8 : Percentage distribution of households having access to latrine by type of latrine used

Percentage of households with access to latrine, percentage of households used improved latrine and percentage of households with exclusive access to latrine are given in Statement 13.

| Statement 13: Percentage of households with access to latrine, percentage of households used improved latrine and percentage of households with exclusive access to latrine. | | | |
|---|---------------------------------|--------------|------------|
| Description of items | Percentage of households | | |
| | Rural | Urban | All |
| Households having access to latrine | 99.8 | 99.9 | 99.9 |
| Households used improved latrine | 99.8 | 99.8 | 99.8 |
| Households having exclusive access to improved latrine | 98.5 | 98.5 | 98.5 |

3.6.4. Use of latrine by household members:

If a household member regularly used latrine of any of the types (i) flush/pour-flush to piped sewer system, (ii) flush/pour-flush to septic tank, (iii) flush/pour-flush to twin leach pit, (iv) flush/pour-flush to single pit, (v) ventilated improved pit latrine, (vi) pit latrine with slab and (vii) composting latrine, it was considered that the member had regularly used improved latrine and if that improved latrine was for exclusive use of the household, it was considered that the member had regularly used improved latrine which was for the exclusive use of the household. The percentage of persons (among persons of the households having access to latrine) who regularly used latrine, who regularly used improved latrine and who regularly used improved latrine which was for the exclusive use of the household are given below in Statement 14.

Statement 14: The percentage of persons (among persons of the households having access to latrine) regularly used latrine, regularly used improved latrine and regularly used improved latrine which was for the exclusive use of the household

| Description of item | Percentage of persons of the households having access to latrine | | |
|--|--|-------|------|
| | Rural | Urban | All |
| 1.Regularly used latrine | | | |
| Male | 99.1 | 99.2 | 99.1 |
| Female | 99.2 | 99.3 | 99.2 |
| Others | 100 | 100 | 100 |
| All | 99.2 | 99.2 | 99.2 |
| 2.Regularly used improved latrine | | | |
| Male | 99.1 | 99.1 | 99.1 |
| Female | 99.2 | 99.1 | 99.1 |
| Others | 100 | 100 | 100 |
| All | 99.2 | 99.1 | 99.1 |
| 3.Regularly used improved latrine which was for exclusive use of the household | | | |
| Male | 98.2 | 98.8 | 98.5 |
| Female | 98.2 | 98.5 | 98.4 |
| Others | 100 | 100 | 100 |
| All | 98.2 | 98.7 | 98.4 |

3.6.5. Disposal of faeces of children of age below 3 years

In the survey, information on disposal of faeces of children of age below 3 years was collected in terms of the categories (i) children used latrine, (ii) put/rinsed into latrine, (iii) put/rinsed into drain or ditch, thrown into garbage, (v) thrown or left in open area, (vi) buried, (vii) others and (viii) not applicable. For collecting this information, usual practice of the household for disposal of faeces of children of age below 3 years was considered. If the household did not have any children of age below 3 years, the category 'not applicable' was recorded. The percentage of households having children of age below 3 years and percentage distribution of those households by method of disposal of faeces of children of age below 3 years, at the state is given in Statement 15.

| Statement 15: The percentage of persons (among persons of the households having access to latrine) regularly used latrine, regularly used improved latrine and regularly used improved latrine which was for the exclusive use of the household | | | |
|--|--------------|--------------|------------|
| Description of item | Rural | Urban | All |
| 1. Percentage of households having children of age below 3 years | 10.1 | 9.8 | 10 |
| 2. Percentage distribution of households having children of age below 3 years by method of disposal of faeces of children of age below 3 years | | | |
| Children used latrine | 7.3 | 16.9 | 11.9 |
| Put/rinsed into latrine | 74 | 68.1 | 71.2 |
| Put/rinsed into drain or ditch | 0.7 | 2.9 | 1.8 |
| Thrown into garbage | 4.3 | 1.1 | 2.7 |
| Thrown or left in open area | 7.2 | 5.7 | 6.5 |
| Buried | 5.2 | 2.4 | 3.8 |
| Others | 1.2 | 2.9 | 2.0 |
| All | 100 | 100 | 100 |

3.6.6. Availability of water in or around the latrine used by the household and availability of both bathroom and latrine within the household premises:

For the households which used latrine, information on availability of water in or around the latrine used by the household was collected in terms of the four categories viz. (i) available with soap/detergent, (ii) available with ash/mud/sand etc., (iii) only water is available and (iv) not available. The percentage distribution of households by availability of water in or around the latrine used is given in Statement 16. Percentage of households in Kerala having bathroom and latrine both within the household premises is also given in this statement.

Statement 16: Percentage distribution of households by availability of water in or around the latrine used and percentage of households having bathroom and latrine both within the household premises.

| Description of item | | Rural | Urban | All |
|---|--|-------|-------|------|
| 1. Percentage distribution of households by availability of water in or around the latrine used | Water was available with soap/detergent | 79.7 | 83.7 | 81.7 |
| | Water was available with ash/mud/sand etc. | 0.1 | 0.3 | 0.2 |
| | Only water was available | 20 | 16 | 18 |
| | Water was not available | 0.2 | 0.1 | 0.1 |
| | All | 100 | 100 | 100 |
| 2. Percentage of households having both bathroom and latrine within the household premises | | 96.8 | 96.1 | 96.4 |

3.7. Practice of Hand Washing

Practice of hand washing by household members

In the survey, it was considered that the households followed the practice of hand washing if majority of the household members usually washed their hands. Information on practice of hand washing before meal and practice of hand washing after defecation was collected in this survey in terms of the four categories viz. (i) wash hands with water and soap/detergent, (ii) wash hands with water and ash/mud/sand etc., (iii) wash hands with water only and (iv) do not wash hands. The percentage distribution of households in Kerala by practice of hand washing before meal is given in the Statement 17. The percentage distribution of households in Kerala by practice of hand washing after defecation is given in this statement.

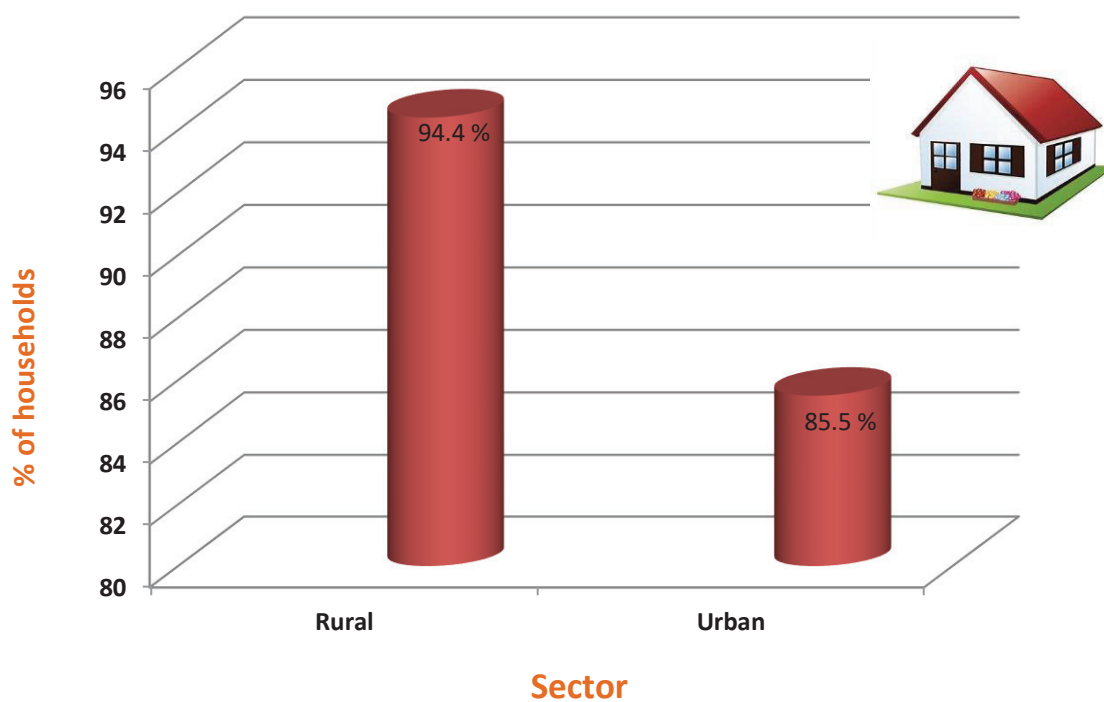
| Statement 17: Percentage distribution of households by practice of hand washing before meal and percentage distribution of households by practice of hand washing after defecation | | | | |
|---|---|--|--------------|------------|
| Description of item | | Percentage distribution of households | | |
| | | Rural | Urban | All |
| 1.Practice of hand washing before meal | Wash hands with water and soap/detergent | 48.7 | 56.2 | 52.4 |
| | Wash hands with water and ash/mud/sand etc, | 0.1 | 0.2 | 0.2 |
| | Wash hands with water only | 51.2 | 43.6 | 47.5 |
| | All | 100 | 100 | 100 |
| 2.Practice of hand washing after defecation | Wash hands with water and soap/detergent | 82.3 | 89.8 | 86 |
| | Wash hands with water and ash/mud/sand etc, | 0.1 | 0.1 | 0.1 |
| | Wash hands with water only | 17.6 | 10.2 | 14 |
| | Do not wash hands | 0 | 0 | 0 |
| | All | 100 | 100 | 100 |
| Note: Figure 0.0 indicates negligible percentage of households corresponding to particular category of practice of hand washing after defecation | | | | |

3.8. Tenorial status of dwelling unit

The percentage distribution of households by tenorial status of dwelling unit, in Kerala, is given in Statement 18. A pictorial representation of the percentage of households with owned dwelling units in Rural and Urban Kerala is given in graph 9.

Statement 18: Percentage distribution of households by tenurial status of dwelling unit in Kerala

| Description of item | Percentage distribution of households | Rural | Urban | All |
|----------------------------------|---|-------|-------|------|
| Tenurial status of dwelling unit | Owned: Freehold | 93.7 | 84 | 88.9 |
| | Owned: Leasehold | 0.7 | 1.5 | 1.1 |
| | Owned | 94.4 | 85.5 | 90 |
| | Hired: Employer quarter | 0.1 | 1.7 | 0.9 |
| | Hired dwelling units with written contract | 3.2 | 9.2 | 6.1 |
| | Hired dwelling units without written contract | 1.2 | 2.5 | 1.9 |
| | Hired | 4.5 | 13.4 | 8.9 |
| | Others | 1.1 | 1.1 | 1.1 |
| | All | 100 | 100 | 100 |

Graph 9 : Percentage of households with owned dwelling unit

3.9. Use and Condition of structure of House

The percentage distributions of households living in houses by use of house, condition of structure of house and number of floors of the house, is given in Statement 19.

| Statement 19: Percentage distributions of households living in houses by use of house, condition of structure of house and number of floors of the house | | | |
|---|--|--------------|------------|
| Description of item | Percentage distribution of households | | |
| | Rural | Urban | All |
| 1.Use of house | | | |
| Residential only | 98.3 | 98.6 | 98.5 |
| Residential-cum-commercial | 1 | 1.2 | 1.1 |
| Residential-cum-others | 0.7 | 0.2 | 0.4 |
| All | 100 | 100 | 100 |
| 2.Condition of structure of house | | | |
| Good | 64.3 | 73.7 | 68.9 |
| Satisfactory | 30.5 | 21.8 | 26.2 |
| Bad | 5.2 | 4.5 | 4.9 |
| All | 100 | 100 | 100 |
| 3.Number of floors of the house | | | |
| One | 81.2 | 67.3 | 74.3 |
| Two | 18.7 | 29.9 | 24.3 |
| Three or more | 0.1 | 2.8 | 1.4 |
| All | 100 | 100 | 100 |

3.10. Structure and Ventilation of the dwelling unit

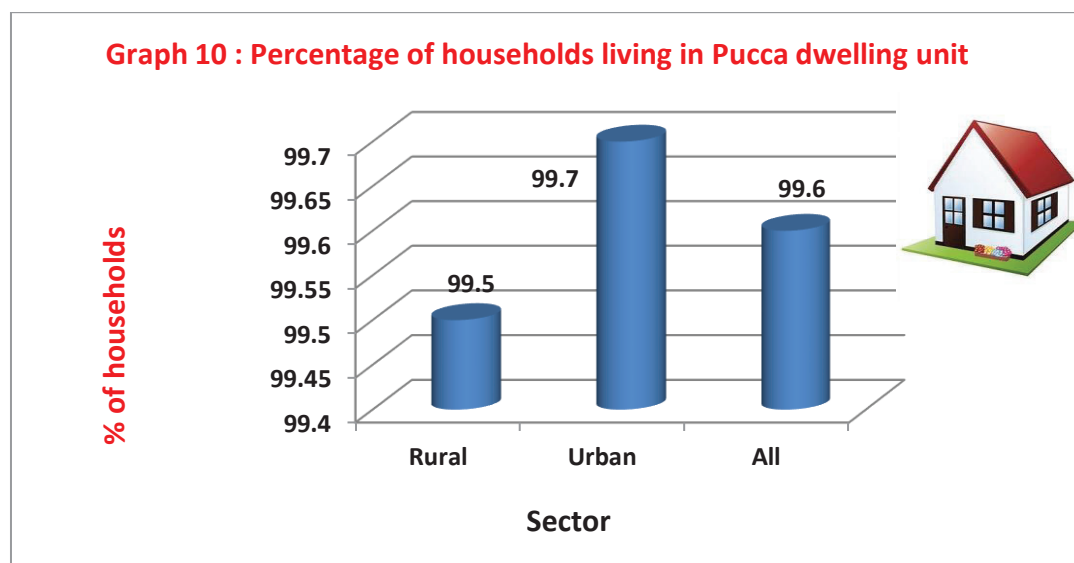
3.10.1. The percentage distributions of households, in Kerala, living in houses by type of the dwelling unit, type of structure of the dwelling unit and type of ventilation of the dwelling unit is given in Statement 20.

| Statement 20: Percentage distributions of households living in houses by type of the dwelling unit, type of structure of the dwelling unit and type of ventilation of the dwelling unit | | | |
|--|---------------------------------------|--------------|------------|
| Description of item | Percentage distribution of households | | |
| | Rural | Urban | All |
| 1.Type of dwelling unit | | | |
| Independent house | 99 | 93.7 | 96.3 |
| Flat | 0.3 | 5 | 2.6 |
| Others | 0.7 | 1.3 | 1.1 |
| All | 100 | 100 | 100 |
| 2.Type of structure of the dwelling unit | Rural | Urban | All |
| Pucca | 89.1 | 90.2 | 89.6 |
| Semi-pucca | 10.4 | 9.5 | 10 |
| Serviceable katcha | 0.4 | 0.2 | 0.3 |
| Unserviceable katcha | 0 | 0 | 0 |
| All katcha | 0.1 | 0.1 | 0.1 |
| All | 100 | 100 | |
| 3.Type of Ventilation of the dwelling unit | Rural | Urban | All |
| Good | 66.9 | 77.8 | 72.3 |
| Satisfactory | 29.4 | 20.1 | 24.8 |
| Bad | 3.7 | 2.1 | 2.9 |
| All | 100 | 100 | 100 |

3.10.2. The Percentage distributions of households living in pucca/katcha houses and percentage of households with good ventilation of dwelling unit in Kerala are given in Statement 21.

| Statement 21: Percentage of households living in pucca/katcha houses and percentage of households with good ventilation of dwelling unit in Kerala | | | |
|---|--------------------------|-------|------|
| Description of items | Percentage of households | | |
| | Rural | Urban | All |
| Households living in pucca dwelling unit | 99.5 | 99.7 | 99.6 |
| Households living in katcha dwelling unit | 0.4 | 0.2 | 0.3 |
| Households with good ventilation of dwelling unit | 66.9 | 77.8 | 72.3 |

3.10.3. The pictorial representation of the percentage of households living in Pucca dwelling units in Rural and Urban Kerala is given in chart 10.



3.11. Plinth level, Floor area, Number of rooms, Number of married couples with separate room

For the households living in houses, the average plinth level of the house, average floor area of the dwelling unit, average number of living rooms and other rooms of the dwelling unit, average number of married couples per household and percentage of households where married couples got separate rooms, average monthly rent paid for hired dwelling unit, in Kerala are given in Statement 22.

Statement 22: Average plinth level of the house, average floor area of the dwelling unit, average number of living/other rooms of the dwelling unit, average number of married couples per household and percentage of households where all married couples got separate rooms, average monthly rent paid for hired dwelling unit

| Sl No | Description of item | Rural | Urban | All |
|-------|---|--------|--------|--------|
| 1 | Average plinth level of the house (in mtr.) | 0.5 | 0.46 | 0.48 |
| 2 | Average floor area of the dwelling unit (in sq. mtr.) | 85.15 | 93.89 | 89.46 |
| 3 | Average number of living rooms of the dwelling unit | 3.83 | 3.98 | 3.9 |
| 4 | Average number of other rooms of the dwelling unit | 2.84 | 3.44 | 3.14 |
| 5 | Average number of married couples per households | 0.9 | 0.9 | 0.9 |
| 6 | Percentage of households where all married couples got separate rooms | 95.5 | 92.3 | 93.9 |
| 7 | Average monthly rent (Rs.) paid for hired dwelling unit | 2519.8 | 4046.6 | 3650.4 |

3.13. Period since the dwelling unit was built, Amount spent on construction/first-hand purchase of houses/flats for residential purpose and Sources of finance

The Percentage of households which spent any amount on construction/first-hand purchase of houses/flats for residential purpose during last 365 days, average amount spent per household and percentage of households which financed the amount from different sources among the households which spent any amount on construction/first-hand purchase of houses/flats for residential purpose during last 365 days in Kerala are given in Statement 23.

| Statement 23: Percentage of households which spent any amount on construction/first-hand purchase of houses/flats for residential purpose during last 365 days, average amount spent per household and percentage of households which financed the amount from different sources among the households which spent any amount on construction/first-hand purchase of houses/flats for residential purpose during last 365 days | | | |
|--|--------|--------|--------|
| Description of item | Rural | Urban | All |
| 1.Percentage of households which spent any amount on construction/first-hand purchase of houses/flats for residential purpose during last 365 days | 6.8 | 7.1 | 6.9 |
| 2.Average amount (Rs.) spent per household | 365409 | 611998 | 489541 |
| 3.Percentage of households by major sources of finance among the households which spent any amount on construction/first-hand purchase of houses/flats for residential purposes during last 365 days | | | |
| Own source | 71.1 | 80.3 | 75.7 |
| Government | 15.3 | 7.9 | 11.6 |
| Bank | 51.3 | 42.9 | 47.1 |
| Insurance | 0 | 0.6 | 0.3 |
| Provident Fund | 2.6 | 2.6 | 2.6 |
| Financial corporation/ Institution | 1.7 | 1.1 | 1.4 |
| Other Institutional agency | 2.2 | 9.2 | 5.7 |
| Self help group | 9.5 | 2.8 | 6.2 |
| Money lender | 0 | 5.4 | 2.7 |
| Friends and relatives | 20.2 | 15.2 | 17.7 |
| Other non-institutional agencies | 2.4 | 1.6 | 2 |

3.14. Drainage system of the household, Disposal of household waste water and garbage, Problems of flies/mosquitoes faced by the household and specific types of illness suffered by household members.

3.14.1 For the households living in houses, percentage distribution of households by type of drainage system of the household, by system of disposal of household waste water, by place of disposal of household garbage and by the agency made arrangement for collection of garbage of household, at the state level, are given in Statement 24.

Statement 24: Percentage distribution of households living in houses by type of drainage system of the household, by system of disposal of household waste water, by place of disposal of household garbage, by the agency made arrangement for collection of household garbage

| Description of items | | Rural | Urban | All |
|---|--|-------|-------|------|
| 1. Percentage distribution of households living in houses by type of drainage system of the household | | | | |
| Underground | | 16.2 | 30.4 | 23.2 |
| Covered pucca | | 26.3 | 31.4 | 28.8 |
| Open pucca | | 9.4 | 10.7 | 10 |
| Open katcha | | 10.4 | 8.6 | 9.5 |
| No drainage (no formal system of carrying off household waste water and liquid waste) | | 37.7 | 18.9 | 28.5 |
| All | | 100 | 100 | 100 |
| 2. Percentage distribution of households living in houses by system of disposal of household waste water | | | | |
| Safe re-use after treatment | | 0 | 0.3 | 0.1 |
| Disposed of without treatment to | Drainage system | 12.4 | 18.5 | 15.4 |
| | Open low land areas/streets | 18.5 | 20.1 | 19.4 |
| | Pond | 0.1 | 0.2 | 0.2 |
| | Nearby river/nalla | 1 | 1.1 | 1 |
| Disposed of with or without treatment to other places | | 67.3 | 59 | 63.2 |
| Not known to the household | | 0.7 | 0.8 | 0.7 |
| All | | 100 | 100 | 100 |
| 3. Percentage distribution of households living in houses by place of disposal of household garbage | | | | |
| Bio-gas plant or manure pit | | 2.9 | 1.9 | 2.4 |
| Household's individual dumping spot | | 63.9 | 46.9 | 55.5 |
| Disposed to | Community dumping spot | 0.3 | 1.9 | 1.1 |
| | Common place other than community dumping spot | 1.3 | 8 | 4.8 |
| | Other places | 31.6 | 40.7 | 35.9 |
| Not known to the household | | 0 | 0.6 | 0.4 |
| All | | 100 | 100 | 100 |
| 4. Percentage distribution of households living in houses by agency made arrangement for collection of household garbage | | | | |
| Panchayat/municipality/corporation | | 4.4 | 14.1 | 9.2 |
| Resident/group of residents | | 0.1 | 1.9 | 1 |
| Others | | 0.8 | 2.6 | 1.7 |
| Not known to the household | | 1.8 | 2.2 | 2 |
| No agency for collection of household garbage | | 92.9 | 79.2 | 86.1 |
| All | | 100 | 100 | 100 |

3.14.2. For the households living in houses, percentage of households which faced problem of stagnant water in or around the household premises, households which faced problem of flies and mosquitoes during last 365 days, households with direct opening to approach road/lane/constructed path to the house, households which experienced flood during last 5 years and households which reported specific type of illness suffered by household members, are given in Statement 25.

| Statement 25: Percentage of households which faced problem of stagnant water in or around the household premises, problem of flies and mosquitoes during last 365 days, percentage of households with direct opening to approach road/lane/constructed path to the house, percentage of households which experienced flood during last 5 years and which reported specific type of illness suffered by household members | | | |
|---|--------------|--------------|------------|
| Description of items | Rural | Urban | All |
| 1. Percentage of households living in houses faced problem of stagnant water in or around the household premises | 3.7 | 8 | 5.8 |
| 2. Percentage of households faced problem of flies/mosquitoes | | | |
| Severe problem | 15.5 | 23.4 | 19.4 |
| Moderate problem | 77.7 | 69.6 | 73.7 |
| Faced problem | 93.2 | 93 | 93.1 |
| 3. Percentage of households reported that efforts were made by the local Bodies/ State Government to tackle problem of flies/mosquitoes | 19 | 18.1 | 18.6 |
| 4. Percentage of households reported that efforts were made by the household to tackle problem of flies/mosquitoes | 89.6 | 84.6 | 87.1 |
| 5. Percentage of households reported specific types of illness suffered by any of the household members during last 365 days | | | |
| Stomach problems like diarrhea/dysentery/cholera | 1.7 | 3.4 | 2.6 |
| Malaria/dengue/chikungunya/encephalitis | 2.6 | 1.9 | 2.3 |
| Skin diseases | 2.8 | 2.3 | 2.6 |
| Jaundice | 1 | 0.5 | 0.8 |
| Other diseases | 11.7 | 7.5 | 9.6 |

3.14.3. The percentage of households having drainage facility, percentage of households having electricity for domestic use and percentage of households with direct opening of approach road/lane/constructed path to the house are given in Statement 26.

Statement 26: Percentage of households having drainage facility, percentage of households having electricity for domestic use and percentage of households with direct opening of approach road/lane/constructed path to the house.

| Description of items | Percentage of households | | |
|--|--------------------------|-------|------|
| | Rural | Urban | All |
| Households having drainage facility | 62.3 | 81.1 | 71.6 |
| Households having electricity for domestic use | 99.3 | 99.7 | 99.5 |
| Households with direct opening of road/lane/constructed approach path to the house | 92.9 | 95.6 | 94.2 |

3.15 Benefits received by the households from Government Schemes for different facilities

3.15.1 In this survey, information on whether the household had ever received any benefit from government schemes for the facilities of drinking water, sanitation, housing, electrifications and LPG connection was collected. For those households which had ever received any benefit from government schemes, information was collected on whether they also received such benefit during last three years and if they received any benefit during last three years, information on the scheme from which the household got maximum benefit was collected. Percentage of households ever received any benefit from government schemes, percentage of households received any benefit from government schemes during last three years and percentage distribution of households by the scheme from which they had received maximum benefit during last three years are given below in Statement 27, at the state level, for each of drinking water, sanitation, housing, electrifications and LPG connection facilities.

Statement 27: Percentage of households ever received any benefit from government schemes, received any benefit from government schemes during the last three years, percentage distribution of households by the scheme from which they had received maximum benefit during last three years

| Description of item | Percentage of households | | |
|---|--------------------------|-------|------|
| | Rural | Urban | All |
| 1. Drinking water facility | | | |
| <i>Ever received any benefit</i> | 3.7 | 1.9 | 2.8 |
| <i>Received any benefit during last 3 years</i> | 0.9 | 0.6 | 0.8 |
| Schemes from which maximum benefit was received during last 3 years | | | |
| National Rural Drinking Water Programme (NRDWP) | | | |
| Atal Mission for Rejuvenation and Urban Transformation (AMRUT) | | | |
| Other scheme | 60.8 | 75.4 | 66.5 |
| Smart City Mission | | | |
| Not known | 39.2 | 24.6 | 33.5 |

| Description of item | Percentage of households | | |
|---|--------------------------|-------|------|
| | Rural | Urban | All |
| 2. Sanitation facility | | | |
| Ever received any benefit | 7.9 | 2.6 | 5.3 |
| Received any benefit during last 3 years | 2.1 | 0.6 | 1.4 |
| Distribution by schemes from which maximum benefit was received during last 3 years | | | |
| Swachh Bharat Mission (SBM) | 7.5 | 51.7 | 17.5 |
| Atal Mission for Rejuvenation and Urban Transformation (AMRUT) | | | |
| Smart City Mission | | | |
| Other scheme | 45.9 | 7.9 | 37.3 |
| Not known | 46.6 | 40.4 | 45.2 |
| 3. Housing facility | | | |
| Ever received any benefit | 16.6 | 7.8 | 12.3 |
| Received any benefit during last 3 years | 3.9 | 1.5 | 2.7 |
| Distribution by schemes from which maximum benefit was received during last 3 years | | | |
| Pradhan Mantri Awaas Yojana (PMAY) | 34.5 | 21.5 | 30.9 |
| Other scheme | 55.6 | 64.7 | 58.2 |
| Not known | 9.9 | 13.8 | 11 |
| 4. Electrification facility | | | |
| Ever received any benefit | 4.3 | 3.3 | 3.8 |
| Received any benefit during last 3 years | 0.2 | 0.7 | 0.4 |
| Distribution by schemes from which maximum benefit was received during last 3 years | | | |
| Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) | 54.4 | 0 | 11.6 |
| Other scheme | 1.2 | 81.6 | 64.5 |
| Not known | 44.4 | 18.4 | 23.9 |
| 5. LPG connection facility | | | |
| Ever received any benefit | 6.6 | 3.5 | 5.1 |
| Received any benefit during last 3 years | 2.1 | 1.2 | 1.7 |
| Distribution by schemes from which maximum benefit was received during last 3 years | | | |
| Pradhan Mantri Ujjwala Yojana (PMUY) | 37.4 | 9.7 | 27.3 |
| Other scheme | 40.6 | 40.5 | 40.6 |
| Not known | 22 | 49.8 | 32.1 |

3.16. Duration of stay of the household in the present area of enumeration, Reason for movement of the household to the present area and Last place of residence of the households before coming to the present area

3.16.1. In this survey, present area of enumeration of the household was considered as the area where the household was enumerated and it was classified as notified slum, non-notified slum, squatter settlements and other areas. Percentage of urban households with duration of stay in the present area less than one year, percentage distribution of such households by place of

residence before coming to the present area and by reason for movement to the present area are given below in Statement 28,

| Statement 28: Percentage of urban households with duration of stay in the present area less than one year, percentage distribution of such households by place of residence before coming to the present area and by reason for movement to the present area | | | | | |
|---|-------------------------------------|--------------------|---------------------|-------------|------|
| Description of item | Present area of the urban household | | | | |
| | Notified Slum | Non- notified slum | Squatter settlement | Other areas | All |
| 1. Percentage of households with duration of stay in the present area less than one year | 0 | 0 | 1.5 | 98.5 | 100 |
| 2. Percentage distribution of households with duration of stay in the present area less than one year by place of residence before coming to the present area | | | | | |
| Last place of residence | | | | | |
| Slum/squatter settlement of the same town | 0 | 0 | 0 | 3.5 | 3.4 |
| In other areas of the same town | 0 | 0 | 0 | 44.3 | 43.7 |
| Slum/squatter settlement of the other town | 0 | 0 | 0 | 2.6 | 2.6 |
| In other areas of the other town | 0 | 0 | 82.9 | 39 | 39.7 |
| Village | 0 | 0 | 17.1 | 10.6 | 10.6 |
| All | 0 | 0 | 100 | 100 | 100 |
| 3. Percentage distribution of households with duration of stay in the present area less than one year by reason for movement to the present area | | | | | |
| Reason for movement | | | | | |
| Free/low rent | 0 | 0 | 0 | 3.5 | 3.5 |
| Independent accommodation | 0 | 0 | 0 | 16.8 | 16.5 |
| Accommodation in better locality | 0 | 0 | 0 | 9.3 | 9.2 |
| Proximity to place of work | 0 | 0 | 100 | 21.2 | 22.3 |
| Other employment related reasons | 0 | 0 | 0 | 1 | 0.9 |
| Others | 0 | 0 | 0 | 48.2 | 47.5 |
| All | 0 | 0 | 100 | 100 | 100 |
| <i>Note: Figure 0.0 indicates negligible percentage of households corresponding to particular category of last place of residence and reason for movement to the present area.</i> | | | | | |

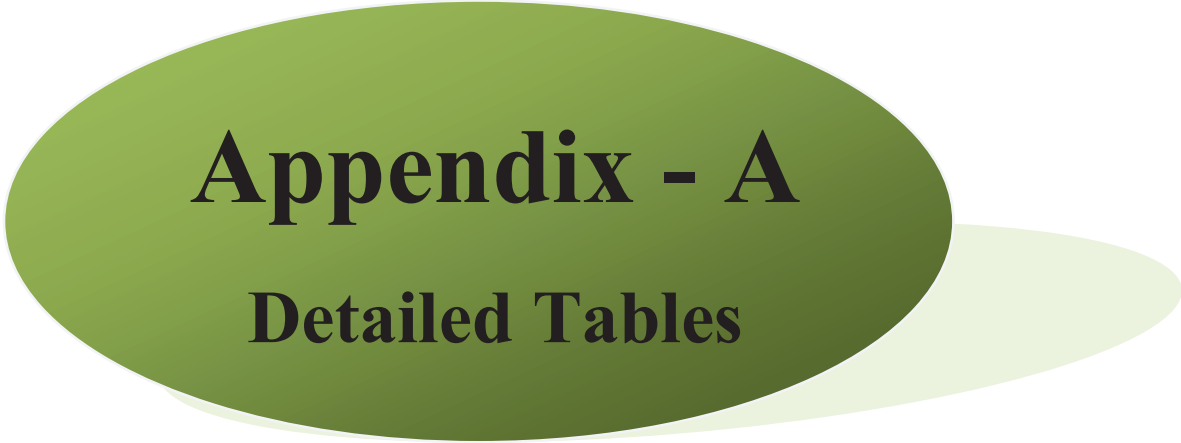
3.17. Possession of documents pertaining to residence status, Type of Benefits received as slum/squatter settlements dwellers and Reason for trying to move out of the present area of enumeration of households living in slum/squatter settlements

For the households living in slum/squatter settlements, the percentage distribution of households by possession of documents pertaining to residence status by the head of household, percentage distribution of households by type of benefits received as slum/squatter settlement dweller and percentage of households which tried to move out of the present slum/squatter settlements along with the distribution of such households by main reason for trying to move out, for each category of notified slum/non-notified slum/squatter settlements are given below in Statement 29.

Statement 29: Percentage distribution of households living in slum/squatter settlements by possession of documents, by type of benefit received, percentage of households which tried to move out of the present slum/squatter settlements and percentage distribution of households which tried to move out of the present slum/squatter settlements by main reason for trying to move out of the present slum/squatter settlement.

| Description of item | Present area of enumeration of urban household | | |
|---|--|--------------------|---------------------|
| | Notified Slum | Non- notified slum | Squatter settlement |
| Possession of documents | | | |
| Ration card | 26.4 | 55.8 | 62.8 |
| Voter ID card | 0 | 0 | 29.4 |
| Passport | 0 | 0 | 0 |
| Any combination of ration card/ voter ID card/ passport | 47.1 | 0 | 7.9 |
| Other | 0 | 0 | 0 |
| None | 26.4 | 44.2 | 0 |
| All | 100 | 100 | 100 |





Appendix - A

Detailed Tables

| Table 1: Number of first stage units (FSUs) allotted, surveyed and number of sample households surveyed | | | | | | | | | |
|---|----------------|----------|-------------------------------|----------------|----------|-------------------------------|----------------|----------|-------------------------------|
| State | Rural | | number of households surveyed | Urban | | number of households surveyed | rural + urban | | |
| | number of FSUs | | | number of FSUs | | | number of FSUs | | number of households surveyed |
| | allotted | surveyed | | allotted | surveyed | | allotted | surveyed | |
| Kerala | 142 | 142 | 1652 | 142 | 142 | 1703 | 284 | 284 | 3355 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | Religion : Hinduism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 45959 | 48009 | 93988 | 24729 | 974 | 3.8 | 1824 | 1902 | 2 | 3728 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | religion: Islam | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 16749 | 19133 | 35882 | 8123 | 328 | 4.4 | 696 | 772 | 0 | 1468 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | religion: Christianity | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 15299 | 16091 | 31390 | 8427 | 297 | 3.7 | 541 | 562 | 0 | 1103 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-----|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Rural | religion: Sikhism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 164 | 196 | 360 | 132 | 3 | 2.7 | 4 | 4 | 0 | 8 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Rural | religion: Others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 2211 | 1987 | 4198 | 1070 | 50 | 3.9 | 101 | 90 | 0 | 191 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | religion: all | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 80382 | 85416 | 165818 | 42481 | 1652 | 3.9 | 3166 | 3330 | 2 | 6498 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | religion: Hinduism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 39091 | 43351 | 82445 | 22865 | 928 | 3.6 | 1602 | 1811 | 1 | 3414 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | religion: Islam | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 19583 | 22257 | 41840 | 9602 | 439 | 4.4 | 923 | 1045 | 0 | 1968 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Urban | religion: Christianity | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 11713 | 13314 | 25027 | 7209 | 280 | 3.5 | 469 | 522 | 0 | 991 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-----|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Urban | religion: Sikhism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 115 | 130 | 245 | 62 | 2 | 3.9 | 2 | 5 | 0 | 7 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Urban | religion: others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. or persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 2839 | 2938 | 5777 | 1546 | 54 | 3.7 | 96 | 102 | 0 | 198 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | religion: all | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. or persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 73340 | 81990 | 155333 | 41285 | 1703 | 3.8 | 3092 | 3485 | 1 | 6578 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | religion: Hinduism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. or persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 85050 | 91360 | 176433 | 47594 | 1902 | 3.7 | 3426 | 3713 | 3 | 7142 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | religion: Islam | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 36331 | 41390 | 77721 | 17725 | 767 | 4.4 | 1619 | 1817 | 0 | 3436 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | religion: Christianity | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 27012 | 29405 | 56417 | 15636 | 577 | 3.6 | 1010 | 1084 | 0 | 2094 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-----|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : All | religion: Sikhism | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 279 | 326 | 605 | 194 | 5 | 3.1 | 6 | 9 | 0 | 15 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : All | religion: others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 5051 | 4924 | 9975 | 2617 | 104 | 3.8 | 197 | 192 | 0 | 389 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|-------|
| Sector : All | religion: all | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 153722 | 167406 | 321151 | 83766 | 3355 | 3.8 | 6258 | 6815 | 3 | 13076 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Rural | social group: ST | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 1528 | 1304 | 2832 | 751 | 26 | 3.8 | 54 | 46 | 0 | 100 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Rural | social group: SC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 8804 | 8781 | 17585 | 4532 | 189 | 3.9 | 370 | 376 | 0 | 746 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | social group: OBC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 48803 | 51319 | 100123 | 24800 | 986 | 4 | 1953 | 2051 | 1 | 4005 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | social group:others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 21247 | 24012 | 45277 | 12398 | 451 | 3.7 | 789 | 857 | 1 | 1647 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Rural | social group: all | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 80382 | 85416 | 165818 | 42481 | 1652 | 3.9 | 3166 | 3330 | 2 | 6498 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-----|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Urban | social group: ST | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 287 | 275 | 562 | 175 | 8 | 3.2 | 11 | 12 | 0 | 23 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : Urban | social group: SC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 5786 | 6410 | 12196 | 3067 | 126 | 4 | 234 | 261 | 0 | 495 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | social group: OBC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 47973 | 52749 | 100725 | 25645 | 1088 | 3.9 | 2070 | 2329 | 1 | 4400 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | social group: others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 19294 | 22557 | 41850 | 12398 | 481 | 3.4 | 777 | 883 | 0 | 1660 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : Urban | social group: all | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 73340 | 81990 | 155333 | 41285 | 1703 | 3.8 | 3092 | 3485 | 1 | 6578 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|------|----------------------|--------|----------------------|-----------------------|--------|-------------|-----|
| Sector : All | social group: ST | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 1815 | 1579 | 3394 | 927 | 34 | 3.7 | 65 | 58 | 0 | 123 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | social group: SC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 14590 | 15192 | 29781 | 7599 | 315 | 3.9 | 604 | 637 | 0 | 1241 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | social group: OBC | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. of persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 96777 | 104067 | 200848 | 50445 | 2074 | 4 | 4023 | 4380 | 2 | 8405 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|-------|----------------------|--------|----------------------|-----------------------|--------|-------------|------|
| Sector : All | social group: others | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. or persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 40541 | 46568 | 87128 | 24796 | 932 | 3.5 | 1566 | 1740 | 1 | 3307 |

| Table 2: Estimated number of persons (00) and average household size (0.0). | | | | | | | | | | |
|---|------------------------------|--------|--------|----------------------|--------|----------------------|-----------------------|--------|-------------|-------|
| Sector : All | social | | | | | | | | | |
| state | estd. number of persons (00) | | | number of households | | average | sample no. or persons | | | |
| | male | female | all | estd. (00) | sample | household size (0.0) | male | female | transgender | all |
| Kerala | 153722 | 167406 | 321151 | 83766 | 3355 | 3.8 | 6258 | 6815 | 3 | 13076 |

Table 3: Percentage of households who spent some amount for construction or first-hand purchase of houses/flats for residential purpose during last 365 days, average amount (Rs.) spent by these households during last 365 days and percentage of these households financed the amount by different source of finance for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | | | | Rural | | |
|-------------------------|-----------|---|---|---|------------------------------------|----------------------------|-----------------|--------------|-----------------------|----------------------------------|------|---|------|-----------------------|------------|--------|------------|--------|
| quintile class on UMPCE | | percentage of house-holds who spent some amount | average amount(Rs.) spent per hh. Who spent some amount | percentage of households financed the amount by different source of finance | | | | | | | | | | number of households | | | | |
| | | | | | | | | | | | | | | who spent some amount | | all | | |
| | | | | own source | institutional agencies | | | | | non-institutional agencies | | | | | estd. (00) | sample | estd. (00) | sample |
| govt. | bank | insurance | PF | | financial corporation /institution | other institutional agency | self help group | money lender | friends and relatives | other non-institutional agencies | | | | | | | | |
| 0-20 | | 3.8 | 229823 | 76.4 | 38 | 30.5 | 0 | 0 | 0 | 0 | 0 | 0 | 28.4 | 0 | 279 | 10 | 7240 | 271 |
| 20-40 | | 6.2 | 403445 | 60.5 | 27 | 33 | 0 | 10 | 5.3 | 7.2 | 8.8 | 0 | 19.4 | 9 | 491 | 19 | 7907 | 326 |
| 40-60 | | 5.2 | 240657 | 83.8 | 32 | 55.2 | 0 | 0.3 | 0 | 0 | 6.6 | 0 | 19.3 | 5.9 | 429 | 17 | 8183 | 326 |
| 60-80 | | 7.4 | 533110 | 66.6 | 0 | 61.5 | 0 | 0 | 0 | 0 | 10.9 | 0 | 21.6 | 0 | 677 | 21 | 9095 | 335 |
| 80-100 | | 10 | 324781 | 72.3 | 6.7 | 57.4 | 0 | 2.4 | 2.4 | 2.7 | 12.8 | 0 | 17.8 | 0 | 1010 | 33 | 10057 | 394 |
| all | | 6.8 | 365409 | 71.1 | 15 | 51.3 | 0 | 2.6 | 1.7 | 2.2 | 9.5 | 0 | 20.2 | 2.4 | 2885 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 2885 | | 2051 | 443 | 1480 | 0 | 76 | 50 | 63 | 275 | 0 | 583 | 70 | XX | XX | XX | XX |
| | sample | 100 | | 71 | 17 | 50 | 0 | 4 | 2 | 3 | 9 | 0 | 20 | 2 | XX | XX | XX | XX |

Table 3: Percentage of households who spent some amount for construction or first-hand purchase of houses/flats for residential purpose during last 365 days, average amount (Rs.) spent by these households during last 365 days and percentage of these households financed the amount by different source of finance for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | | | | Urban | | |
|-------------------------|-----------|---|---|---|------------------------|------|-----------|-----|------------------------------------|----------------------------|-----------------|--------------|-----------------------|----------------------------------|------------|--------|------------|--------|
| quintile class on UMPCE | | percentage of house-holds who spent some amount | average amount(Rs.) spent per hh. Who spent some amount | percentage of households financed the amount by different source of finance | | | | | | | | | | number of households | | | | |
| | | | | | | | | | | | | | | who spent some amount | | all | | |
| | | | | own source | institutional agencies | | | | | non-institutional agencies | | | | | estd. (00) | sample | estd. (00) | sample |
| | | | | | govt. | bank | insurance | PF | financial corporation /institution | other institutional agency | self help group | money lender | friends and relatives | other non-institutional agencies | | | | |
| 0-20 | | 4.8 | 888850 | 82.6 | 9.3 | 39.8 | 0 | 0 | 0 | 0 | 14.1 | 0 | 29.4 | 0 | 309 | 15 | 6476 | 282 |
| 20-40 | | 7.4 | 420942 | 81.3 | 14 | 47.5 | 0 | 0 | 2.6 | 15.9 | 4.2 | 0 | 8.8 | 0 | 577 | 25 | 7772 | 367 |
| 40-60 | | 4.3 | 636198 | 88.9 | 13 | 52.2 | 5.2 | 5.6 | 5.5 | 9.4 | 0 | 8.7 | 29 | 0 | 337 | 20 | 7816 | 359 |
| 60-80 | | 7 | 553759 | 77.5 | 4 | 48.2 | 0 | 0 | 0 | 3.4 | 2.5 | 13.5 | 18.8 | 3.2 | 613 | 24 | 8781 | 344 |
| 80-100 | | 10.4 | 659913 | 78.1 | 4.6 | 35.5 | 0 | 5.2 | 0 | 11.4 | 0 | 4.2 | 8.4 | 2.5 | 1089 | 31 | 10441 | 351 |
| all | | 7.1 | 611998 | 80.3 | 7.9 | 42.9 | 0.6 | 2.6 | 1.1 | 9.2 | 2.8 | 5.4 | 15.2 | 1.6 | 2925 | 115 | 41285 | 1703 |
| no.of house holds | estd.(00) | 2925 | | 2349 | 231 | 1255 | 18 | 75 | 34 | 268 | 83 | 157 | 446 | 47 | XX | XX | XX | XX |
| | sample | 115 | | 92 | 9 | 50 | 1 | 5 | 4 | 7 | 4 | 5 | 20 | 2 | XX | XX | XX | XX |

Table 3: Percentage of households who spent some amount for construction or first-hand purchase of houses/flats for residential purpose during last 365 days, average amount (Rs.) spent by these households during last 365 days and percentage of these households financed the amount by different source of finance for each quintile class on UMPCE

| Kerala | | Rural + Urban | | | | | | | | | | | | | | | | |
|-------------------------|-----------|---|---|---|------------------------------------|----------------------------|-----------------|--------------|-----------------------|----------------------------------|-----|-----|------|-----------------------|--------|------------|--------|------|
| quintile class on UMPCE | | percentage of house-holds who spent some amount | average amount(Rs.) spent per hh. Who spent some amount | percentage of households financed the amount by different source of finance | | | | | | | | | | number of households | | | | |
| | | | | | | | | | | | | | | who spent some amount | | all | | |
| | | | | own source | institutional agencies | | | | | non-institutional agencies | | | | estd. (00) | sample | estd. (00) | sample | |
| govt. | bank | insurance | PF | | financial corporation /institution | other institutional agency | self help group | money lender | friends and relatives | other non-institutional agencies | | | | | | | | |
| 0-20 | | 4.3 | 576457 | 79.7 | 23 | 35.4 | 0 | 0 | 0 | 0 | 7.4 | 0 | 29 | 0 | 588 | 25 | 13716 | 553 |
| 20-40 | | 6.8 | 412895 | 71.7 | 20 | 40.9 | 0 | 4.8 | 3.8 | 11.9 | 6.3 | 0 | 13.7 | 4.1 | 1068 | 44 | 15679 | 693 |
| 40-60 | | 4.8 | 414744 | 86 | 24 | 53.9 | 2.3 | 2.6 | 2.4 | 4.1 | 3.7 | 3.8 | 23.6 | 3.3 | 765 | 37 | 15998 | 685 |
| 60-80 | | 7.2 | 542919 | 71.8 | 1.9 | 55.2 | 0 | 0 | 0 | 1.6 | 6.9 | 6.4 | 20.3 | 1.5 | 1290 | 45 | 17876 | 679 |
| 80-100 | | 10.2 | 498682 | 75.3 | 5.6 | 46 | 0 | 3.8 | 1.1 | 7.2 | 6.2 | 2.2 | 12.9 | 1.3 | 2099 | 64 | 20498 | 745 |
| all | | 6.9 | 489541 | 75.7 | 11.6 | 47.1 | 0.3 | 2.6 | 1.4 | 5.7 | 6.2 | 2.7 | 17.7 | 2 | 5810 | 215 | 83766 | 3355 |
| no.of house holds | estd.(00) | 5810 | | 4400 | 673 | 2735 | 18 | 151 | 84 | 331 | 358 | 157 | 1029 | 117 | XX | XX | XX | XX |
| | sample | 215 | | 163 | 26 | 100 | 1 | 9 | 6 | 10 | 13 | 5 | 40 | 4 | XX | XX | XX | XX |

| Table 4: Percentage of households received any benefit from Government schemes for drinking water facility . | | | | | | | | | | | | | |
|--|-----------|--|---|--|-------|--------------------|--------------|-----------|-----|---|--------|----------------------|--------|
| Rural | | | | | | | | | | Kerala | | | |
| State | | percentage of households ever received any benefit from Government schemes for drinking water facility | percentage of households ever received any benefit during last 3 years from Government schemes for drinking water facility. | percentage distribution of households who received any benefit from Government schemes for drinking water facility during last 3 years by the scheme from which maximum benefit was received | | | | | | number of households received any benefit during last 3 years from Government schemes for drinking water facility | | number of households | |
| | | | | NRDWP | AMRUT | smart city mission | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | all | all | | |
| Kerala | | 3.7 | 0.9 | 0 | 0 | 0 | 60.8 | 39.2 | 100 | 389 | 13 | 42481 | 1652 |
| no.of house holds | estd.(00) | 1566 | 389 | 0 | 0 | 0 | 237 | 152 | 389 | X | X | X | X |
| | sample | 57 | 13 | 0 | 0 | 0 | 9 | 4 | 13 | X | X | X | X |

| Table 4: Percentage of households received any benefit from Government schemes for drinking water facility . | | | | | | | | | | | | | |
|--|--|---|--|-------|--------------------|--------------|-----------|-----|-----|---|--------|----------------------|--------|
| Urban | | | | | | | | | | Kerala | | | |
| State | percentage of households ever received any benefit from Government schemes for drinking water facility | percentage of households ever received any benefit during last 3 years from Government schemes for drinking water facility. | percentage distribution of households who received any benefit from Government schemes for drinking water facility during last 3 years by the scheme from which maximum benefit was received | | | | | | | number of households received any benefit during last 3 years from Government schemes for drinking water facility | | number of households | |
| | | | NRDWP | AMRUT | smart city mission | other scheme | not known | all | | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | all | all | | |
| Kerala | 1.9 | 0.6 | 0 | 0 | 0 | 75.4 | 24.6 | 100 | | 245 | 9 | 41285 | 1703 |
| no.of house holds | estd.(00) | 780 | 245 | 0 | 0 | 0 | 185 | 60 | 245 | X | X | X | X |
| | sample | 34 | 9 | 0 | 0 | 0 | 6 | 3 | 9 | X | X | X | X |

| Table 4: Percentage of households received any benefit from Government schemes for drinking water facility . | | | | | | | | | | | | | |
|--|--|---|--|-------|--------------------|--------------|-----------|-----|-----|---|--------|----------------------|--------|
| Rural + Urban | | | | | | | | | | Kerala | | | |
| State | percentage of households ever received any benefit from Government schemes for drinking water facility | percentage of households ever received any benefit during last 3 years from Government schemes for drinking water facility. | percentage distribution of households who received any benefit from Government schemes for drinking water facility during last 3 years by the scheme from which maximum benefit was received | | | | | | | number of households received any benefit during last 3 years from Government schemes for drinking water facility | | number of households | |
| | | | NRDWP | AMRUT | smart city mission | other scheme | not known | all | | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | all | all | | |
| Kerala | 2.8 | 0.8 | 0 | 0 | 0 | 66.5 | 33.5 | 100 | | 634 | 22 | 83766 | 3355 |
| no.of house holds | estd.(00) | 2346 | 634 | 0 | 0 | 0 | 422 | 213 | 634 | X | X | X | X |
| | sample | 91 | 22 | 0 | 0 | 0 | 15 | 7 | 22 | X | X | X | X |

Table 5: Percentage of households received any benefit from Government schemes for sanitation facility .

| rural | | | | | | | | | | | | | |
|-------------------|-----------|--|--|--|-------|--------------------|--------------|-----------|-----|--|--------|----------------------|--------|
| state | | percentage of households ever received any benefit from Government schemes for sanitation facility | percentage of households ever received any benefit during last 3 years from Government schemes for sanitation facility | percentage distribution of households who received any benefit from Government schemes for sanitation facility during last 3 years by the scheme from which maximum benefit was received | | | | | | number of households received any benefit during last 3 years from Government schemes for sanitation facility. | | number of households | |
| | | | | SBM | AMRUT | smart city mission | other scheme | not known | all | estd.(00) | sample | | |
| | | | | | | | | | | all | all | estd.(00) | sample |
| Kerala | | 7.9 | 2.1 | 7.5 | 0 | 0 | 45.9 | 46.6 | 100 | 883 | 28 | 42481 | 1652 |
| no.of house holds | estd.(00) | 3359 | 883 | 66 | 0 | 0 | 405 | 412 | 883 | X | X | X | X |
| | sample | 134 | 28 | 2 | 0 | 0 | 11 | 15 | 28 | X | X | X | X |

Table 5: Percentage of households received any benefit from Government schemes for sanitation facility .

| Urban | | | | | | | | | | | | | |
|-------------------|-----------|--|--|--|-------|--------------------|--------------|-----------|-----|--|--------|----------------------|--------|
| state | | percentage of households ever received any benefit from Government schemes for sanitation facility | percentage of households ever received any benefit during last 3 years from Government schemes for sanitation facility | percentage distribution of households who received any benefit from Government schemes for sanitation facility during last 3 years by the scheme from which maximum benefit was received | | | | | | number of households received any benefit during last 3 years from Government schemes for sanitation facility. | | number of households | |
| | | | | SBM | AMRUT | smart city mission | other scheme | not known | all | estd.(00) | sample | | |
| | | | | | | | | | | all | all | estd.(00) | sample |
| Kerala | | 2.6 | 0.6 | 51.7 | 0 | 0 | 7.9 | 40.4 | 100 | 258 | 10 | 41285 | 1703 |
| no.of house holds | estd.(00) | 1056 | 258 | 133 | 0 | 0 | 20 | 105 | 258 | X | X | X | X |
| | sample | 45 | 10 | 5 | 0 | 0 | 1 | 4 | 10 | X | X | X | X |

| Table 5: Percentage of households received any benefit from Government schemes for sanitation facility . | | | | | | | | | | | | | |
|--|-----------|--|--|--|-------|--------------------|--------------|-----------|------|--|--------|----------------------|--------|
| Rural + Urban | | | | | | | | | | | | | |
| state | | percentage of households ever received any benefit from Government schemes for sanitation facility | percentage of households ever received any benefit during last 3 years from Government schemes for sanitation facility | percentage distribution of households who received any benefit from Government schemes for sanitation facility during last 3 years by the scheme from which maximum benefit was received | | | | | | number of households received any benefit during last 3 years from Government schemes for sanitation facility. | | number of households | |
| | | | | SBM | AMRUT | smart city mission | other scheme | not known | all | estd.(00) | sample | | |
| | | | | | | | | | | all | all | estd.(00) | sample |
| Kerala | | 5.3 | 1.4 | 17.5 | 0 | 0 | 37.3 | 45.2 | 100 | 1142 | 38 | 83766 | 3355 |
| no.of house holds | estd.(00) | 4415 | 1142 | 200 | 0 | 0 | 426 | 516 | 1142 | X | X | X | X |
| | sample | 179 | 38 | 7 | 0 | 0 | 12 | 19 | 38 | X | X | X | X |

| Table 6: Percentage of households received any benefit from Government schemes for housing facility . | | | | | | | | | | | |
|---|-----------|---|--|---|--------------|-----------|------|--|--------|----------------------|--------|
| Rural | | | | | | | | | | | |
| State | | percentage of households ever received any benefit from Government schemes for housing facility | percentage of households received any benefit during last 3 years from Government schemes for housing facility | percentage distribution of households who received any benefit from Government schemes for housing facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for housing facility | | number of households | |
| | | | | PMAY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 16.6 | 3.9 | 34.5 | 55.6 | 9.9 | 100 | 1639 | 55 | 42481 | 1652 |
| no.of house holds | estd.(00) | 7059 | 1639 | 565 | 912 | 161 | 1639 | X | X | X | X |
| | sample | 287 | 55 | 19 | 31 | 5 | 55 | X | X | X | X |

| Table 6: Percentage of households received any benefit from Government schemes for housing facility . | | | | | | | | | | | |
|---|-----------|---|--|---|--------------|-----------|-----|--|--------|----------------------|--------|
| Urban | | | | | | | | | | | |
| State | | percentage of households ever received any benefit from Government schemes for housing facility | percentage of households received any benefit during last 3 years from Government schemes for housing facility | percentage distribution of households who received any benefit from Government schemes for housing facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for housing facility | | number of households | |
| | | | | PMAY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 7.8 | 1.5 | 21.5 | 64.7 | 13.8 | 100 | 635 | 23 | 41285 | 1703 |
| no.of house holds | estd.(00) | 3219 | 635 | 136 | 411 | 88 | 635 | X | X | X | X |
| | sample | 133 | 23 | 7 | 14 | 2 | 23 | X | X | X | X |

| Table 6: Percentage of households received any benefit from Government schemes for housing facility . | | | | | | | | | | | |
|---|-----------|---|--|---|--------------|-----------|------|--|--------|----------------------|--------|
| Rural + Urban | | | | | | | | | | | |
| State | | percentage of households ever received any benefit from Government schemes for housing facility | percentage of households received any benefit during last 3 years from Government schemes for housing facility | percentage distribution of households who received any benefit from Government schemes for housing facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for housing facility | | number of households | |
| | | | | PMAY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 12.3 | 2.7 | 30.9 | 58.2 | 11 | 100 | 2273 | 78 | 83766 | 3355 |
| no.of house holds | estd.(00) | 10278 | 2273 | 702 | 1322 | 249 | 2273 | X | X | X | X |
| | sample | 420 | 78 | 26 | 45 | 7 | 78 | X | X | X | X |

Table 7: Percentage of households received any benefit from Government schemes for electrification facility .

| rural | | | | | | | | | | | |
|-------------------|-----------|---|--|---|--------------|-----------|-----|--|--------|----------------------|--------|
| state | | percentage of households ever received any benefit from Government schemes for electrification facility | percentage of households received any benefit during last 3 years from Government schemes for electrification facility | percentage distribution of households who received any benefit from Government schemes for electrification facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for electrification facility | | number of households | |
| | | | | DDUGJY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 4.3 | 0.2 | 54.4 | 1.2 | 44.4 | 100 | 75 | 4 | 42481 | 1652 |
| no.of house holds | estd.(00) | 1846 | 75 | 41 | 1 | 33 | 75 | X | X | X | X |
| | sample | 83 | 4 | 2 | 1 | 1 | 4 | X | X | X | X |

Table 7: Percentage of households received any benefit from Government schemes for electrification facility .

| Urban | | | | | | | | | | | |
|-------------------|-----------|---|--|---|--------------|-----------|-----|--|--------|----------------------|--------|
| state | | percentage of households ever received any benefit from Government schemes for electrification facility | percentage of households received any benefit during last 3 years from Government schemes for electrification facility | percentage distribution of households who received any benefit from Government schemes for electrification facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for electrification facility | | number of households | |
| | | | | DDUGJY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 3.3 | 0.7 | 0 | 81.6 | 18.4 | 100 | 276 | 12 | 41285 | 1703 |
| no.of house holds | estd.(00) | 1378 | 276 | 0 | 225 | 51 | 276 | X | X | X | X |
| | sample | 57 | 12 | 0 | 10 | 2 | 12 | X | X | X | X |

Table 7: Percentage of households received any benefit from Government schemes for electrification facility .

| Rural + Urban | | | | | | | | | | | |
|----------------------|-----------|---|--|---|--------------|-----------|-----|--|--------|----------------------|--------|
| state | | percentage of households ever received any benefit from Government schemes for electrification facility | percentage of households received any benefit during last 3 years from Government schemes for electrification facility | percentage distribution of households who received any benefit from Government schemes for electrification facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for electrification facility | | number of households | |
| | | | | DDUGJY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 3.8 | 0.4 | 11.6 | 64.5 | 23.9 | 100 | 351 | 16 | 83766 | 3355 |
| no.of house holds | estd.(00) | 3224 | 351 | 41 | 226 | 84 | 351 | X | X | X | X |
| | sample | 140 | 16 | 2 | 11 | 3 | 16 | X | X | X | X |

| Table 8: Percentage of households received any benefit from Government schemes for LPG connection facility. | | | | | | | | | | |
|---|--|---|--|--------------|-----------|-----|---|--------|----------------------|--------|
| rural | | | | | | | Kerala | | | |
| state | percentage of households ever received any benefit from Government schemes for LPG connection facility | percentage of households received any benefit during last 3 years from Government schemes for LPG connection facility | percentage distribution of households who received any benefit from Government schemes for LPG connection facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for LPG connection facility | | number of households | |
| | | | PMUY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | all | all | | |
| Kerala | 6.6 | 2.1 | 37.4 | 40.6 | 22 | 100 | 897 | 32 | 42481 | 1652 |
| no.of house holds | estd.(00) | 2801 | 897 | 335 | 364 | 197 | 897 | X | X | X |
| | sample | 112 | 32 | 14 | 11 | 7 | 32 | X | X | X |

| Table 8: Percentage of households received any benefit from Government schemes for LPG connection facility. | | | | | | | | | | | |
|---|-----------|--|---|--|--------------|-----------|--------|---|--------|----------------------|--------|
| Urban | | | | | | | Kerala | | | | |
| state | | percentage of households ever received any benefit from Government schemes for LPG connection facility | percentage of households received any benefit during last 3 years from Government schemes for LPG connection facility | percentage distribution of households who received any benefit from Government schemes for LPG connection facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for LPG connection facility | | number of households | |
| | | | | PMUY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 3.5 | 1.2 | 9.7 | 40.5 | 49.8 | 100 | 513 | 20 | 41285 | 1703 |
| no.of house holds | estd.(00) | 1462 | 513 | 50 | 208 | 256 | 513 | X | X | X | X |
| | sample | 59 | 20 | 2 | 9 | 9 | 20 | X | X | X | X |

| Table 8: Percentage of households received any benefit from Government schemes for LPG connection facility. | | | | | | | | | | | |
|---|-----------|--|---|--|--------------|-----------|------|---|--------|----------------------|--------|
| Rural + Urban | | | | | | | | Kerala | | | |
| state | | percentage of households ever received any benefit from Government schemes for LPG connection facility | percentage of households received any benefit during last 3 years from Government schemes for LPG connection facility | percentage distribution of households who received any benefit from Government schemes for LPG connection facility during last 3 years by the scheme from which maximum benefit was received | | | | number of households received any benefit during last 3 years from Government schemes for LPG connection facility | | number of households | |
| | | | | PMUY | other scheme | not known | all | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | all | all | | |
| Kerala | | 5.1 | 1.7 | 27.3 | 40.6 | 32.1 | 100 | 1411 | 52 | 83766 | 3355 |
| no.of house holds | estd.(00) | 4263 | 1411 | 385 | 572 | 453 | 1411 | X | X | X | X |
| | sample | 171 | 52 | 16 | 20 | 16 | 52 | X | X | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|----------------------|------------|--------|
| Kerala | | rural | | | | | | | | male | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | number of households | | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estu. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 7.4 | 8.7 | 20.7 | 24.6 | 12 | 7.4 | 8.6 | 10.6 | 100 | 7240 | 271 |
| 20-40 | | 7.2 | 6.3 | 20.5 | 18.9 | 11 | 6.7 | 13.4 | 16 | 100 | 7907 | 326 |
| 40-60 | | 4.4 | 6.1 | 22.3 | 27.8 | 8.6 | 7.9 | 6.6 | 16.4 | 100 | 8183 | 326 |
| 60-80 | | 9.8 | 8.6 | 14.8 | 20.3 | 12 | 8.4 | 10.5 | 15.7 | 100 | 9095 | 335 |
| 80-100 | | 10.5 | 7.2 | 13.7 | 11.6 | 6.6 | 6.2 | 14.1 | 30 | 100 | 10057 | 394 |
| all | | 8.1 | 7.4 | 18 | 20.2 | 9.9 | 7.3 | 10.8 | 18.4 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 3422 | 3139 | 7661 | 8564 | 4201 | 3088 | 4597 | 7810 | 42481 | X | X |
| | sample | 128 | 127 | 303 | 330 | 168 | 131 | 176 | 289 | 1652 | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|-------|----------------------|--------|
| Kerala | | | Urban | | | | | | | male | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | | number of households | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 6.9 | 2.8 | 30.3 | 23 | 8.9 | 8 | 1.8 | 18.3 | 100 | 6476 | 282 |
| 20-40 | | 5.2 | 2.2 | 28.1 | 20.1 | 9.8 | 8.3 | 5.8 | 20.5 | 100 | 7772 | 367 |
| 40-60 | | 11.1 | 6.4 | 19.2 | 14.4 | 12.4 | 9.3 | 10 | 17.2 | 100 | 7816 | 359 |
| 60-80 | | 6.2 | 2.8 | 13.4 | 14.7 | 9.2 | 12.8 | 10.5 | 30.4 | 100 | 8781 | 344 |
| 80-100 | | 6.4 | 6.3 | 13.2 | 9.6 | 9.4 | 8 | 11.8 | 35.4 | 100 | 10441 | 351 |
| all | | 7.1 | 4.3 | 19.9 | 15.7 | 9.9 | 9.3 | 8.5 | 25.4 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 2937 | 1759 | 8197 | 6473 | 4091 | 3850 | 3504 | 10475 | 41285 | X | X |
| | sample | 114 | 73 | 360 | 288 | 161 | 159 | 133 | 415 | 1703 | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|----------------------|------------|--------|
| Kerala | | | Rural + Urban | | | | | | | male | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | number of households | | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 7.2 | 5.9 | 25.2 | 23.8 | 10.5 | 7.7 | 5.4 | 14.2 | 100 | 13716 | 553 |
| 20-40 | | 6.2 | 4.3 | 24.2 | 19.5 | 10.4 | 7.5 | 9.6 | 18.2 | 100 | 15679 | 693 |
| 40-60 | | 7.7 | 6.2 | 20.8 | 21.3 | 10.4 | 8.6 | 8.2 | 16.8 | 100 | 15998 | 685 |
| 60-80 | | 8 | 5.8 | 14.1 | 17.6 | 10.6 | 10.5 | 10.5 | 22.9 | 100 | 17876 | 679 |
| 80-100 | | 8.4 | 6.8 | 13.4 | 10.6 | 8 | 7.1 | 12.9 | 32.7 | 100 | 20498 | 745 |
| all | | 7.6 | 5.8 | 18.9 | 18 | 9.9 | 8.3 | 9.7 | 21.8 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 6358 | 4899 | 15858 | 15037 | 8292 | 6938 | 8100 | 18284 | 83766 | X | X |
| | sample | 242 | 200 | 663 | 618 | 329 | 290 | 309 | 704 | 3355 | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|--------|----------------------|--------|
| Kerala | | | Rural | | | | | | | female | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | | number of households | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 27.4 | 16.9 | 13.6 | 3.8 | 0.9 | 0.9 | 0.4 | 36.2 | 100 | 7240 | 271 |
| 20-40 | | 25.7 | 5.2 | 12.1 | 4.1 | 2 | 1.7 | 0.7 | 48.5 | 100 | 7907 | 326 |
| 40-60 | | 19 | 1.8 | 12.5 | 3.9 | 0.8 | 0.3 | 0.7 | 61 | 100 | 8183 | 326 |
| 60-80 | | 24.4 | 4.6 | 7.7 | 3.7 | 1.4 | 1 | 1.9 | 55.2 | 100 | 9095 | 335 |
| 80-100 | | 23.1 | 3.8 | 5.7 | 5.8 | 2.4 | 1.7 | 2.9 | 54.7 | 100 | 10057 | 394 |
| all | | 23.8 | 6.1 | 10 | 4.3 | 1.5 | 1.2 | 1.4 | 51.7 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 10108 | 2590 | 4241 | 1830 | 651 | 493 | 600 | 21968 | 42481 | X | X |
| | sample | 400 | 113 | 167 | 68 | 27 | 26 | 24 | 827 | 1652 | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|--------|----------------------|--------|
| Kerala | | | Urban | | | | | | | female | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | | number of households | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 20.6 | 4.4 | 11.7 | 3.8 | 3.1 | 0 | 0 | 56.4 | 100 | 6476 | 282 |
| 20-40 | | 13.7 | 1.8 | 6.2 | 4.3 | 1.3 | 1.8 | 0.9 | 70.2 | 100 | 7772 | 367 |
| 40-60 | | 14.8 | 6 | 5.2 | 4.1 | 3.5 | 0.5 | 1.7 | 64.3 | 100 | 7816 | 359 |
| 60-80 | | 11.6 | 4 | 6.3 | 4 | 4 | 1.6 | 0.8 | 67.7 | 100 | 8781 | 344 |
| 80-100 | | 11.4 | 4.5 | 11.2 | 5.7 | 4 | 1.8 | 1.7 | 59.7 | 100 | 10441 | 351 |
| all | | 13.9 | 4.2 | 8.1 | 4.4 | 3.3 | 1.2 | 1.1 | 63.7 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 5754 | 1725 | 3362 | 1837 | 1348 | 512 | 439 | 26309 | 41285 | X | X |
| | sample | 232 | 67 | 127 | 72 | 51 | 21 | 18 | 1115 | 1703 | X | X |

| Table 9 : Percentage distribution of the households by maximum distance normally travelled to the place of work by an earner of a specific gender for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|--|----------------|------------------------|-------------------------|--------------------------|--------------------------|---------------|------------------------------|----------------------|------------|--------|
| Kerala | | Rural + Urban | | | | | | | | female | | |
| quintile class on UMPCE | | maximum distance normally travelled to the place of work | | | | | | | | number of households | | |
| | | not required to travel | less than 1 km | 1 km to less than 5 km | 5 km to less than 10 km | 10 km to less than 15 km | 15 km to less than 30 km | 30 km or more | no earner of specific gender | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 24.2 | 11 | 12.7 | 3.8 | 1.9 | 0.5 | 0.2 | 45.7 | 100 | 13716 | 553 |
| 20-40 | | 19.7 | 3.5 | 9.2 | 4.2 | 1.6 | 1.7 | 0.8 | 59.2 | 100 | 15679 | 693 |
| 40-60 | | 16.9 | 3.8 | 8.9 | 4 | 2.1 | 0.4 | 1.2 | 62.6 | 100 | 15998 | 685 |
| 60-80 | | 18.1 | 4.3 | 7 | 3.8 | 2.7 | 1.3 | 1.3 | 61.4 | 100 | 17876 | 679 |
| 80-100 | | 17.1 | 4.2 | 8.5 | 5.7 | 3.2 | 1.8 | 2.3 | 57.2 | 100 | 20498 | 745 |
| all | | 18.9 | 5.2 | 9.1 | 4.4 | 2.4 | 1.2 | 1.2 | 57.6 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 15861 | 4316 | 7603 | 3667 | 1999 | 1005 | 1039 | 48277 | 83766 | X | X |
| | sample | 632 | 180 | 294 | 140 | 78 | 47 | 42 | 1942 | 3355 | X | X |

| Table 10: Percentage distribution of households by tenurial status of dwelling units for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|--|---|-----|-------------------------|-------|------|
| Kerala | | rural estimate/RSE | | | | | | | | | |
| quintile class on UMPCE | | tenurial status of dwelling units | | | | | | | number of households | | |
| | | households with dwelling units | | | | | households with no dwelling units | all | | | |
| | | owned | | hired | | | | | others | | |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | | all | all |
| 0-20 | | 95.7 | 0.5 | 0.3 | 1.7 | 0.7 | 1 | 0 | 100 | 7240 | 271 |
| 20-40 | | 93.6 | 0.5 | 0 | 2.9 | 2.6 | 0.5 | 0 | 100 | 7907 | 326 |
| 40-60 | | 94.9 | 0.9 | 0 | 1.5 | 1.6 | 1.1 | 0 | 100 | 8183 | 326 |
| 60-80 | | 91.8 | 0.1 | 0 | 4.9 | 0.9 | 2.3 | 0 | 100 | 9095 | 335 |
| 80-100 | | 93 | 1.2 | 0.3 | 4.4 | 0.5 | 0.7 | 0 | 100 | 10057 | 394 |
| all | | 93.7 | 0.7 | 0.1 | 3.2 | 1.2 | 1.1 | 0 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 39792 | 282 | 47 | 1353 | 524 | 483 | 0 | 42481 | X | X |
| | sample | 1531 | 21 | 2 | 48 | 20 | 30 | 0 | 1652 | X | X |

| Table 10: Percentage distribution of households by tenurial status of dwelling units for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|--|---|-----|-------------------------|--------|--------|
| Kerala | | Urban estimate/RSE | | | | | | | | | |
| quintile class on UMPCE | | tenurial status of dwelling units | | | | | | | number of households | | |
| | | households with dwelling units | | | | | households with no dwelling units | all | estd. (00) | sample | |
| | | owned | | hired | | | | | | | others |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | all | all | |
| 0-20 | | 91 | 1.6 | 0.4 | 4.7 | 0.2 | 2.2 | 0 | 100 | 6476 | 282 |
| 20-40 | | 88.7 | 0.9 | 0 | 4 | 4.3 | 2 | 0 | 100 | 7772 | 367 |
| 40-60 | | 88.2 | 1.6 | 0.2 | 7.4 | 2 | 0.6 | 0 | 100 | 7816 | 359 |
| 60-80 | | 83.3 | 1.7 | 2.8 | 11.7 | 0.6 | 0 | 0 | 100 | 8781 | 344 |
| 80-100 | | 73.7 | 1.5 | 4 | 15.1 | 4.6 | 1 | 0 | 100 | 10441 | 351 |
| all | | 84 | 1.5 | 1.7 | 9.2 | 2.5 | 1.1 | 0 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 34688 | 608 | 693 | 3799 | 1044 | 453 | 0 | 41285 | X | X |
| | sample | 1453 | 24 | 24 | 150 | 34 | 18 | 0 | 1703 | X | X |

| Table 10: Percentage distribution of households by tenurial status of dwelling units for each quintile class on UMPCE | | | | | | | | | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|--|-----|---|-------|-------------------------|------------|--------|
| Kerala | | Rural + Urban estimate/RSE | | | | | | | | | | |
| quintile class on UMPCE | | tenurial status of dwelling units | | | | | | | | number of households | | |
| | | households with dwelling units | | | | | | | | | | |
| | | owned | | hired | | | | | | | estd. (00) | sample |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | | | | |
| 0-20 | | 93.5 | 1 | 0.3 | 3.1 | 0.5 | 1.5 | 0 | 100 | 13716 | 553 | |
| 20-40 | | 91.1 | 0.7 | 0 | 3.5 | 3.4 | 1.3 | 0 | 100 | 15679 | 693 | |
| 40-60 | | 91.6 | 1.2 | 0.1 | 4.4 | 1.8 | 0.9 | 0 | 100 | 15998 | 685 | |
| 60-80 | | 87.6 | 0.9 | 1.4 | 8.2 | 0.8 | 1.2 | 0 | 100 | 17876 | 679 | |
| 80-100 | | 83.2 | 1.4 | 2.1 | 9.8 | 2.6 | 0.9 | 0 | 100 | 20498 | 745 | |
| all | | 88.9 | 1.1 | 0.9 | 6.1 | 1.9 | 1.1 | 0 | 100 | 83766 | 3355 | |
| no.of house holds | estd.(00) | 74480 | 890 | 740 | 5151 | 1568 | 936 | 0 | 83766 | X | X | |
| | sample | 2984 | 45 | 26 | 198 | 54 | 48 | 0 | 3355 | X | X | |

Table 11: Percentage distribution of households by tenurial status of dwelling units classified by their (i) social group and (ii) religion

| Kerala | | | | | | | rural | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|---|--|-----|----------------------|-------|------------|
| household social group/ household religion | | tenurial status of dwelling units | | | | | | | number of households | | |
| | | households with dwelling units | | | | | households with no dwelling units | all | | | |
| | | owned | | hired | | | | | others | | |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | | all | estd. (00) |
| | | | | | | | | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| S T | | 99.1 | 0 | 0 | 0 | 0 | 0.9 | 0 | 100 | 751 | 26 |
| SC | | 91.2 | 0 | 0.5 | 2.9 | 1.2 | 4.3 | 0 | 100 | 4532 | 189 |
| OBC | | 95.3 | 0.6 | 0 | 2.5 | 1.4 | 0.2 | 0 | 100 | 24800 | 986 |
| Others | | 90.9 | 1.2 | 0.2 | 4.8 | 1 | 1.9 | 0 | 100 | 12398 | 451 |
| all | | 93.7 | 0.7 | 0.1 | 3.2 | 1.2 | 1.1 | 0 | 100 | 42481 | 1652 |
| hinduism | | 94.4 | 0.4 | 0.1 | 2.6 | 1.4 | 1.1 | 0 | 100 | 24729 | 974 |
| Islam | | 94.3 | 0.7 | 0 | 3.5 | 1.2 | 0.3 | 0 | 100 | 8123 | 328 |
| christianity | | 90.7 | 1.1 | 0.3 | 4.9 | 0.7 | 2.3 | 0 | 100 | 8427 | 297 |
| Sikhism | | 74.3 | 0 | 0 | 0 | 25.7 | 0 | 0 | 100 | 132 | 3 |
| Others | | 97.9 | 1.9 | 0 | 0.1 | 0 | 0.1 | 0 | 100 | 1070 | 50 |
| all | | 93.7 | 0.7 | 0.1 | 3.2 | 1.2 | 1.1 | 0 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 39792 | 282 | 47 | 1353 | 524 | 483 | 0 | 42481 | X | X |
| | sample | 1531 | 21 | 2 | 48 | 20 | 30 | 0 | 1652 | X | X |

Table 11: Percentage distribution of households by tenorial status of dwelling units classified by their (i) social group and (ii) religion

| Kerala | | | | | | | Urban | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|---|--|-----|----------------------|------------|--------|
| household social group/ household religion | | tenurial status of dwelling units | | | | | | | number of households | | |
| | | households with dwelling units | | | | | households with no dwelling units | all | | | |
| | | owned | | hired | | | | | others | | |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | | estd. (00) | sample |
| | | | | | | | | | all | all | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| S T | 64.4 | 0 | 0 | 35.6 | 0 | 0 | 0 | 100 | 175 | 8 | |
| SC | 82.1 | 3.5 | 1.2 | 10 | 0.1 | 3.1 | 0 | 100 | 3067 | 126 | |
| OBC | 83.8 | 0.7 | 1.4 | 10.1 | 3 | 1 | 0 | 100 | 25645 | 1088 | |
| Others | 85.2 | 2.6 | 2.4 | 6.8 | 2.3 | 0.7 | 0 | 100 | 12398 | 481 | |
| all | 84 | 1.5 | 1.7 | 9.2 | 2.5 | 1.1 | 0 | 100 | 41285 | 1703 | |
| hinduism | 86.1 | 1.2 | 2.1 | 7.8 | 1.9 | 0.9 | 0 | 100 | 22865 | 928 | |
| Islam | 83.1 | 0.6 | 0.2 | 11.4 | 3.3 | 1.4 | 0 | 100 | 9602 | 439 | |
| christianity | 78.2 | 3.7 | 2.8 | 10.7 | 3.6 | 0.9 | 0 | 100 | 7209 | 280 | |
| Sikhism | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 100 | 62 | 2 | |
| Others | 89.4 | 0 | 0 | 4.8 | 2.2 | 3.7 | 0 | 100 | 1546 | 54 | |
| all | 84 | 1.5 | 1.7 | 9.2 | 2.5 | 1.1 | 0 | 100 | 41285 | 1703 | |
| no.of house holds | estd.(00) | 34688 | 608 | 693 | 3799 | 1044 | 453 | 0 | 41285 | X | X |
| | sample | 1453 | 24 | 24 | 150 | 34 | 18 | 0 | 1703 | X | X |

Table 11: Percentage distribution of households by tenorial status of dwelling units classified by their (i) social group and (ii) religion

| Kerala | | | | | | Rural + Urban | | | | | |
|---|-----------|-----------------------------------|-----------|---------------------|--|---|--|-----|----------------------|-------|------------|
| household social group/ household religion | | tenurial status of dwelling units | | | | | | | number of households | | |
| | | households with dwelling units | | | | | households with no dwelling units | all | | | |
| | | owned | | hired | | | | | others | | |
| | | freehold | leasehold | employer quarter | hired dwelling units with written contract | hired dwelling units without written contract | | | | all | estd. (00) |
| | | | | | | | | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| S T | | 92.5 | 0 | 0 | 6.7 | 0 | 0.8 | 0 | 100 | 927 | 34 |
| SC | | 87.5 | 1.4 | 0.8 | 5.8 | 0.7 | 3.8 | 0 | 100 | 7599 | 315 |
| OBC | | 89.5 | 0.6 | 0.7 | 6.4 | 2.2 | 0.6 | 0 | 100 | 50445 | 2074 |
| Others | | 88 | 1.9 | 1.3 | 5.8 | 1.7 | 1.3 | 0 | 100 | 24796 | 932 |
| all | | 88.9 | 1.1 | 0.9 | 6.1 | 1.9 | 1.1 | 0 | 100 | 83766 | 3355 |
| hinduism | | 90.4 | 0.8 | 1 | 5.1 | 1.6 | 1 | 0 | 100 | 47594 | 1902 |
| Islam | | 88.2 | 0.6 | 0.1 | 7.8 | 2.4 | 0.9 | 0 | 100 | 17725 | 767 |
| christianity | | 84.9 | 2.3 | 1.4 | 7.6 | 2 | 1.7 | 0 | 100 | 15636 | 577 |
| Sikhism | | 50.5 | 0 | 0 | 32.1 | 17.4 | 0 | 0 | 100 | 194 | 5 |
| Others | | 92.9 | 0.8 | 0 | 2.9 | 1.3 | 2.2 | 0 | 100 | 2617 | 104 |
| all | | 88.9 | 1.1 | 0.9 | 6.1 | 1.9 | 1.1 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 74480 | 890 | 740 | 5151 | 1568 | 936 | 0 | 83766 | X | X |
| | sample | 2984 | 45 | 26 | 198 | 54 | 48 | 0 | 3355 | X | X |

| Table 12: Percentage distribution of households with dwelling units by area type for each (i) quintile class on UMPCE and (ii) household social group | | | | | | | | |
|---|-----------|---------------|-------------------|---------------------|-------------|-------|--|--------|
| Kerala | | Urban | | | | | | |
| quintile class on UMPCE/hh. social group | | area type | | | | | number of households with dwelling units | |
| | | notified slum | non-notified slum | squatter settlement | other areas | all | estd. (00) | sample |
| | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 9 |
| 0-20 | | 0.5 | 0.0 | 1.4 | 98.1 | 100 | 6476 | 282 |
| 20-40 | | 0.8 | 0.1 | 1.0 | 98.1 | 100 | 7772 | 367 |
| 40-60 | | 0.3 | 0.4 | 0.3 | 99.0 | 100 | 7816 | 359 |
| 60-80 | | 0.0 | 0.4 | 0.6 | 99.1 | 100 | 8781 | 344 |
| 80-100 | | 0.0 | 0.2 | 0.1 | 99.7 | 100 | 10441 | 1351 |
| all | | 0.3 | 0.2 | 0.6 | 98.9 | 100 | 41285 | 1703 |
| S T | | 0.0 | 6.0 | 2.9 | 91.1 | 100.0 | 175.0 | 8.0 |
| SC | | 1.0 | 1.0 | 0.0 | 97.9 | 100.0 | 3067.0 | 126.0 |
| OBC | | 0.3 | 0.1 | 0.8 | 98.8 | 100.0 | 25645.0 | 1088.0 |
| Others | | 0.0 | 0.2 | 0.4 | 99.4 | 100.0 | 12398.0 | 481.0 |
| all | | 0.3 | 0.2 | 0.6 | 98.9 | 100.0 | 41285.0 | 1703.0 |
| no.of house holds | estd.(00) | 111 | 95 | 252 | 40828 | 41285 | X | X |
| | sample | 4 | 6 | 12 | 1681 | 1703 | X | X |

Table 13: Percentage distribution of households by principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | | | | | | rural | | | | | | | | | | estimate | |
|------------------------|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|-------|------------------|--------|
| quintile class on MPCE | | principal sources of drinking water | | | | | | | | | | | | | | | | | | no.of households | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | all | all |
| 0-20 | | 0 | 7.1 | 11.1 | 1.5 | 1.2 | 9.2 | 0.3 | 13.7 | 54 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.6 | 0 | 100 | 7240 | 271 |
| 20-40 | | 0 | 2.9 | 7.9 | 1.6 | 0.9 | 8.6 | 0 | 29.1 | 46 | 0.1 | 0.4 | 0 | 1.7 | 0 | 0.9 | 0 | 0 | 100 | 7907 | 326 |
| 40-60 | | 0 | 6.9 | 4.7 | 1 | 1.5 | 8.5 | 0.3 | 33.7 | 41.3 | 0 | 0 | 0 | 1.1 | 0 | 1 | 0 | 0 | 100 | 8183 | 326 |
| 60-80 | | 0 | 4.4 | 5.9 | 1 | 3.3 | 6.9 | 0 | 30.1 | 44.9 | 0 | 0.3 | 0 | 0.5 | 0 | 2.6 | 0 | 0 | 100 | 9095 | 335 |
| 80-100 | | 0 | 8 | 8.5 | 0.5 | 1.5 | 9.6 | 0.5 | 28.1 | 43.1 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 100 | 10057 | 394 |
| all | | 0 | 5.9 | 7.5 | 1.1 | 1.7 | 8.6 | 0.2 | 27.4 | 45.5 | 0 | 0.1 | 0 | 0.8 | 0.1 | 0.9 | 0.1 | 0 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 0 | 2512 | 3191 | 459 | 733 | 3648 | 98 | 11621 | 19341 | 8 | 54 | 0 | 357 | 23 | 394 | 42 | 0 | 42481 | X | X |
| | sample | 0 | 99 | 137 | 18 | 45 | 158 | 3 | 457 | 705 | 1 | 2 | 0 | 8 | 1 | 12 | 6 | 0 | 1652 | X | X |

Table 13: Percentage distribution of households by principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | | | | | | Urban | | | | | | | | | | estimate | |
|------------------------|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|-------|------------------|--------|
| quintile class on MPCE | | principal sources of drinking water | | | | | | | | | | | | | | | | | | no.of households | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | all | all |
| | | | | | | | | | | | | | | | | | | | | | |
| 0-20 | 0 | 17.4 | 7.0 | 2.2 | 6.4 | 13.6 | 0 | 10.9 | 42.1 | 0 | 0.4 | 0 | 0 | 0.0 | 0 | 0 | 0 | 100 | 6465 | 282 | |
| 20-40 | 0.7 | 9.6 | 6.1 | 2.6 | 5.6 | 5.8 | 0 | 20.2 | 49.3 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 100 | 7746 | 365 | |
| 40-60 | 1.2 | 18.6 | 3.3 | 0.9 | 4.9 | 5.7 | 0 | 14.8 | 50.6 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 100 | 7797 | 357 | |
| 60-80 | 0.6 | 19.8 | 2.7 | 0.6 | 5.3 | 6.2 | 0 | 16.9 | 47.9 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 100 | 8843 | 348 | |
| 80-100 | 4.9 | 19.7 | 2.2 | 0.4 | 4.4 | 4.7 | 0 | 14.8 | 48.8 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 100 | 10434 | 351 | |
| all | 1.7 | 17.3 | 4 | 1.2 | 5.2 | 6.8 | 0 | 15.7 | 48 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 41285 | 1703 | |
| | estd.(00) | 709 | 7127 | 1660 | 514 | 2161 | 2808 | 0 | 6471 | 19810 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 41285 | X | X | |
| | sample | 25 | 285 | 66 | 23 | 83 | 116 | 0 | 285 | 819 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1703 | X | X | |

Table 13: Percentage distribution of households by principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | | | | | Rural + Urban | | | | | | | | | | estimate | | |
|------------------------|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|---------------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|------------------|------------|--------|
| quintile class on MPCE | | principal sources of drinking water | | | | | | | | | | | | | | | | | no.of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | all | all |
| 0-20 | | 0 | 12 | 9.2 | 1.8 | 3.7 | 11.3 | 0.2 | 12.4 | 48.4 | 0 | 0.2 | 0 | 0.7 | 0.0 | 0 | 0.3 | 0 | 100 | 13705 | 553 |
| 20-40 | | 0.4 | 6.2 | 7.0 | 2.1 | 3.2 | 7.2 | 0 | 24.7 | 47.6 | 0.1 | 0.2 | 0 | 0.8 | 0.0 | 0.5 | 0.0 | 0 | 100 | 15653 | 691 |
| 40-60 | | 0.6 | 12.6 | 4.0 | 1 | 3.2 | 7.2 | 0.2 | 24.5 | 45.8 | 0 | 0 | 0 | 0.5 | 0.0 | 0.5 | 0.0 | 0 | 100 | 15979 | 683 |
| 60-80 | | 0.3 | 12 | 4.3 | 0.8 | 4.3 | 6.6 | 0 | 23.6 | 46.4 | 0 | 0.1 | 0 | 0.3 | 0.0 | 1.3 | 0.0 | 0 | 100 | 17938 | 683 |
| 80-100 | | 2.5 | 14 | 5.3 | 0.5 | 3 | 7.1 | 0.3 | 21.3 | 46 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.0 | 0 | 100 | 20491 | 745 |
| all | | 0.8 | 11.5 | 5.8 | 1.2 | 3.5 | 7.7 | 0.1 | 21.6 | 46.7 | 0 | 0.1 | 0 | 0.4 | 0 | 0.5 | 0 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 709 | 9639 | 4851 | 973 | 2894 | 6456 | 98 | 18091 | 39152 | 8 | 79 | 0 | 357 | 23 | 394 | 42 | 0 | 83766 | X | X |
| | sample | 25 | 384 | 203 | 41 | 128 | 274 | 3 | 742 | 1524 | 1 | 3 | 0 | 8 | 1 | 12 | 6 | 0 | 3355 | X | X |

| Table 14: Percentage distribution of households by principal source of drinking water classified by their (i) social group and (ii) religion | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------------|--------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | | | | | rural | | | | | | | |
| house hold social group/house hold religion | | principal sources of drinking water | | | | | | | | | | | | | | | | | no.of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | all | estd. (00) | sample | |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | other surface water | others | | all | all | |
| S T | | 0 | 0 | 17.1 | 0 | 0.3 | 26.6 | 0 | 0.5 | 49.3 | 0 | 0 | 0 | 6.2 | 0 | 0 | 0 | 0 | 100 | 751 | 26 |
| SC | | 0 | 7.6 | 13.3 | 0 | 5.2 | 2.6 | 0 | 20.3 | 50.2 | 0.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 4532 | 189 |
| OBC | | 0 | 7.9 | 9 | 1.5 | 1.6 | 8.8 | 0.2 | 28.6 | 41 | 0 | 0 | 0 | 0.9 | 0.1 | 0.5 | 0 | 0 | 100 | 24800 | 986 |
| Others | | 0 | 1.7 | 1.9 | 0.8 | 0.8 | 9.3 | 0.4 | 29.1 | 52.6 | 0 | 0.2 | 0 | 0.7 | 0 | 2.2 | 0.3 | 0 | 100 | 12398 | 451 |
| all | | 0 | 5.9 | 7.5 | 1.1 | 1.7 | 8.6 | 0.2 | 27.4 | 45.5 | 0 | 0.1 | 0 | 0.8 | 0.1 | 0.9 | 0.1 | 0 | 100 | 42481 | 1652 |
| hinduism | | 0 | 6.8 | 10.7 | 0.8 | 2.2 | 6.7 | 0.1 | 24.6 | 46.3 | 0 | 0.2 | 0 | 1.1 | 0.1 | 0.3 | 0 | 0 | 100 | 24729 | 974 |
| Islam | | 0 | 4.4 | 4 | 2.4 | 0.5 | 12.6 | 0.3 | 33.5 | 41.7 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 100 | 8123 | 328 |
| christianity | | 0 | 4.6 | 2.5 | 0.7 | 1.5 | 9.7 | 0.6 | 30.7 | 45 | 0 | 0 | 0 | 1 | 0 | 3.3 | 0.4 | 0 | 100 | 8427 | 297 |
| Sikhism | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25.7 | 74.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 132 | 3 |
| Others | | 0 | 8.5 | 0 | 0 | 2.7 | 14 | 0 | 17.6 | 57.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1070 | 50 |
| all | | 0 | 5.9 | 7.5 | 1.1 | 1.7 | 8.6 | 0.2 | 27.4 | 45.5 | 0 | 0.1 | 0 | 0.8 | 0.1 | 0.9 | 0.1 | 0 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 0 | 2512 | 3191 | 459 | 733 | 3648 | 98 | 11621 | 19341 | 8 | 54 | 0 | 357 | 23 | 394 | 42 | 0 | 42481 | X | X |
| | sample | 0 | 99 | 137 | 18 | 45 | 158 | 3 | 457 | 705 | 1 | 2 | 0 | 8 | 1 | 12 | 6 | 0 | 1652 | X | X |

| Table 14: Percentage distribution of households by principal source of drinking water classified by their (i) social group and (ii) religion | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | | | | | Urban | | | | | | | |
| house hold social group/house hold religion | | principal sources of drinking water | | | | | | | | | | | | | | | | | no.of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | all | estd. (00) | sample | |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | others | all | all |
| S T | | 2.9 | 13.9 | 6 | 0 | 0 | 32.7 | 0 | 0 | 44.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 175 | 8 |
| SC | | 0 | 17.7 | 7.8 | 2.2 | 10.4 | 2 | 0 | 13.3 | 45.9 | 0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 3067 | 126 |
| OBC | | 1.4 | 15.1 | 4.7 | 1.4 | 6.1 | 7.5 | 0 | 16.1 | 47.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 25645 | 1088 |
| Others | | 2.9 | 21.7 | 1.6 | 0.8 | 2.3 | 6.2 | 0 | 15.5 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 12398 | 481 |
| all | | 1.7 | 17.3 | 4 | 1.2 | 5.2 | 6.8 | 0 | 15.7 | 48 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 41285 | 1703 |
| hinduism | | 0.6 | 19.3 | 4.8 | 1.5 | 5.8 | 5.7 | 0 | 14.9 | 47.3 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 22865 | 928 |
| Islam | | 0.9 | 7.4 | 3.1 | 1.2 | 4.2 | 10.9 | 0 | 18.9 | 53.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 9602 | 439 |
| christianity | | 6.7 | 24 | 2.7 | 0.3 | 4.5 | 4.8 | 0 | 13.9 | 43.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 7209 | 280 |
| Sikhism | | 8.1 | 0 | 0 | 0 | 0 | 91.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 62 | 2 |
| Others | | 0 | 17.4 | 4.4 | 1.4 | 7.4 | 4.1 | 0 | 16 | 49.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1546 | 54 |
| all | | 1.7 | 17.3 | 4 | 1.2 | 5.2 | 6.8 | 0 | 15.7 | 48 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 709 | 7127 | 1660 | 514 | 2161 | 2808 | 0 | 6471 | 19810 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 41285 | X | X |
| | sample | 25 | 285 | 66 | 23 | 83 | 116 | 0 | 285 | 819 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1703 | X | X |

| Table 14: Percentage distribution of households by principal source of drinking water classified by their (i) social group and (ii) religion | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|---------------|-----------------------|---------------|---------------------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | | | | | Rural + Urban | | | | | | | |
| house hold social group/house hold religion | | principal sources of drinking water | | | | | | | | | | | | | | | | | no.of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | all | estd. (00) | sample | |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | others | all | all |
| S T | | 0.5 | 2.6 | 15 | 0 | 0.3 | 27.8 | 0 | 0.4 | 48.4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 100 | 927 | 34 |
| SC | | 0 | 11.7 | 11.1 | 0.9 | 7.3 | 2.3 | 0 | 17.4 | 48.4 | 0.1 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 7599 | 315 |
| OBC | | 0.7 | 11.5 | 6.8 | 1.4 | 3.9 | 8.1 | 0.1 | 22.3 | 44.5 | 0 | 0 | 0 | 0.4 | 0 | 0.2 | 0 | 0 | 100 | 50445 | 2074 |
| Others | | 1.4 | 11.7 | 1.7 | 0.8 | 1.5 | 7.8 | 0.2 | 22.3 | 50.8 | 0 | 0.1 | 0 | 0.4 | 0 | 1.1 | 0.1 | 0 | 100 | 24796 | 932 |
| all | | 0.8 | 11.5 | 5.8 | 1.2 | 3.5 | 7.7 | 0.1 | 21.6 | 46.7 | 0 | 0.1 | 0 | 0.4 | 0 | 0.5 | 0 | 0 | 100 | 83766 | 3355 |
| hinduism | | 0.3 | 12.8 | 7.9 | 1.2 | 3.9 | 6.2 | 0 | 20 | 46.8 | 0 | 0.2 | 0 | 0.6 | 0 | 0.1 | 0 | 0 | 100 | 47594 | 1902 |
| Islam | | 0.5 | 6 | 3.5 | 1.8 | 2.5 | 11.7 | 0.1 | 25.6 | 48 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 100 | 17725 | 767 |
| christianity | | 3.1 | 13.5 | 2.5 | 0.5 | 2.9 | 7.4 | 0.3 | 23 | 44.1 | 0 | 0 | 0 | 0.6 | 0 | 1.8 | 0.2 | 0 | 100 | 15636 | 577 |
| Sikhism | | 2.6 | 0 | 0 | 0 | 0 | 29.5 | 0 | 17.4 | 50.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 194 | 5 |
| Others | | 0 | 13.8 | 2.6 | 0.8 | 5.5 | 8.1 | 0 | 16.7 | 52.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2617 | 104 |
| all | | 0.8 | 11.5 | 5.8 | 1.2 | 3.5 | 7.7 | 0.1 | 21.6 | 46.7 | 0 | 0.1 | 0 | 0.4 | 0 | 0.5 | 0 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 709 | 9639 | 4851 | 973 | 2894 | 6456 | 98 | 18091 | 39152 | 8 | 79 | 0 | 357 | 23 | 394 | 42 | 0 | 83766 | X | X |
| | sample | 25 | 384 | 203 | 41 | 128 | 274 | 3 | 742 | 1524 | 1 | 3 | 0 | 8 | 1 | 12 | 6 | 0 | 3355 | X | X |

Table 15: Percentage distribution of households with dwelling units by principal source of drinking water for each area type

| Kerala | | | | | | | | | | | | | | | | | | | urban | | |
|---------------------|-----------|-------------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|--------------------------------------|------------|--------|
| area type | | principal sources of drinking water | | | | | | | | | | | | | | | | | no.of households with dwelling units | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tubewell | hand pump | well | | tanker truck | | spring | | | surface water | | | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | rain water collection | tank/pond | other surface water | others | | all | all |
| notified slum | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52.9 | 47.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 111 | 4 |
| non-notified slum | | 22 | 44.6 | 33.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 95 | 6 |
| squatter settlement | | 2 | 90.1 | 0 | 0 | 0 | 0 | 0 | 0 | 7.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 252 | 12 |
| other areas | | 1.7 | 16.8 | 4 | 1.3 | 5.3 | 6.9 | 0 | 15.7 | 48.3 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 40828 | 1681 |
| all | | 1.7 | 17.3 | 4 | 1.2 | 5.2 | 6.8 | 0 | 15.7 | 48 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 709 | 7127 | 1660 | 514 | 2161 | 2808 | 0 | 6471 | 19810 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 41285 | X | X |
| | sample | 25 | 285 | 66 | 23 | 83 | 116 | 0 | 285 | 819 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1703 | X | X |

Table 16: Percentage distribution of households not getting sufficient drinking water from the principal source by number of calendar months not getting sufficient drinking water, separately for households with different principal sources of drinking water

| Kerala | | | | | | | | | | Rural | | | | | | | | | |
|-------------------------------------|-----------|---|---|------|------|------|-----|---|---|-------|----|----|----|----|------|---|--------|------------|--------|
| principal sources of drinking water | | percentage of hhs.not getting sufficient drinking water throughout year | number of months of the year during which availability of drinking water was not sufficient | | | | | | | | | | | | | hhs not getting sufficient drinking water throughout year | | no. of hhs | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | all | estd. (00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | | | | all | all | estd.(00) | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 1. Bottled water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Piped water into dwelling | | 20.2 | 34.5 | 45.1 | 13.5 | 0 | 6.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 507 | 17 | 2512 | 99 |
| 3. Piped water to yard /plot | | 17.4 | 26.1 | 44.9 | 13.6 | 15.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 555 | 23 | 3191 | 137 |
| 4. Piped water from neighbour | | 30.1 | 26.3 | 47.2 | 26.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 138 | 5 | 459 | 18 |
| 5. Public tap/stand pipe | | 24.7 | 18.7 | 15 | 66.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 181 | 7 | 733 | 45 |
| 6. Tube well | | 10.8 | 23.6 | 28.5 | 47.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 394 | 21 | 3648 | 158 |
| 7. Hand pump | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 3 |
| 8 Protected well | | 21.6 | 5.3 | 66.8 | 21.2 | 4.4 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2514 | 88 | 11621 | 457 |
| 9. Unprotected well | | 21.5 | 11.1 | 37.8 | 40.6 | 5.3 | 5.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 4154 | 162 | 19341 | 705 |
| 10. Public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 |
| 11. Private tanker - truck | | 47.5 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 26 | 1 | 54 | 2 |
| 12. Protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. Unprotected spring | | 39 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 139 | 3 | 357 | 8 |
| 14.. Rain water collection | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 1 |
| 15. Tank/pond | | 6 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 24 | 1 | 394 | 12 |
| 16. Other surface water | | 1.3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1 | 1 | 42 | 6 |
| 19. Others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 20.3 | 12.5 | 47.4 | 31.7 | 4.8 | 3.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 8632 | 329 | 42481 | 1652 |
| no. of households | estd.(00) | 8632 | 1080 | 4094 | 2737 | 416 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8632 | X | X | X | X |
| | sample | 329 | 39 | 145 | 109 | 24 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 329 | X | X | X | X |

Table 16: Percentage distribution of households not getting sufficient drinking water from the principal source by number of calendar months not getting sufficient drinking water, separately for households with different principal sources of drinking water

| Kerala | | | | | | | | | | Urban | | | | | | | | | |
|-------------------------------------|-----------|---|---|------|------|-----|----|-----|----|-------|----|----|-----|-----|------|---|--------|------------|--------|
| principal sources of drinking water | | percentage of hhs.not getting sufficient drinking water throughout year | number of months of the year during which availability of drinking water was not sufficient | | | | | | | | | | | | | hhs not getting sufficient drinking water throughout year | | no. of hhs | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | all | estd. (00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | | | | all | all | estd.(00) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| 1. Bottled water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 709 | 25 | |
| 2. Piped water into dwelling | 5.7 | 8 | 30.8 | 57.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 100 | 407 | 12 | 7127 | 285 | |
| 3. Piped water to yard /plot | 17.8 | 11 | 29.7 | 38.6 | 15.3 | 0 | 0 | 5.4 | 0 | 0 | 0 | 0 | 0 | 100 | 295 | 12 | 1660 | 66 | |
| 4. Piped water from neighbour | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 514 | 23 | |
| 5. Public tap/stand pipe | 10.6 | 93.4 | 6.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 228 | 8 | 2161 | 83 | |
| 6. Tube well | 13.6 | 0 | 9.3 | 90.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 380 | 14 | 2808 | 116 | |
| 7. Hand pump | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 Protected well | 10.3 | 6.1 | 62.5 | 23.5 | 7.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 668 | 33 | 6471 | 285 | |
| 9. Unprotected well | 14.2 | 12 | 57.4 | 23.6 | 3 | 3.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 100 | 2805 | 121 | 19810 | 819 | |
| 10. Public tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 11. Private tanker - truck | 100 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 25 | 1 | 25 | 1 | |
| 12. Protected spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13. Unprotected spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 14.. Rain water collection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 15. Tank/pond | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16. Other surface water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19. Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | 11.6 | 13.6 | 48.2 | 31.4 | 3.8 | 1.8 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0.8 | 100 | 4808 | 201 | 41285 | 1703 | |
| no.of households | estd.(00) | 4808 | 656 | 2316 | 1510 | 183 | 87 | 0 | 16 | 0 | 0 | 0 | 0 | 41 | 4808 | X | X | X | X |
| | sample | 201 | 28 | 100 | 59 | 8 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 201 | X | X | X | X |

Table 16: Percentage distribution of households not getting sufficient drinking water from the principal source by number of calendar months not getting sufficient drinking water, separately for households with different principal sources of drinking water

| Kerala | | | | | | | | | | Rural + Urban | | | | | | | | | |
|-------------------------------------|-----------|---|---|------|------|-----|-----|-----|----|---------------|----|----|-----|-----|-------|---|--------|------------|--------|
| principal sources of drinking water | | percentage of hhs.not getting sufficient drinking water throughout year | number of months of the year during which availability of drinking water was not sufficient | | | | | | | | | | | | | hhs not getting sufficient drinking water throughout year | | no. of hhs | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | all | estd. (00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | | | | all | all | estd.(00) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| 1. Bottled water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 709 | 25 | |
| 2. Piped water into dwelling | 9.5 | 22.7 | 38.8 | 32.9 | 0 | 3.8 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 100 | 913 | 29 | 9639 | 384 | |
| 3. Piped water to yard /plot | 17.5 | 20.9 | 39.6 | 22.3 | 15.3 | 0 | 0 | 1.9 | 0 | 0 | 0 | 0 | 0 | 100 | 850 | 35 | 4851 | 203 | |
| 4. Piped water from neighbour | 14.2 | 26.3 | 47.2 | 26.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 138 | 5 | 973 | 41 | |
| 5. Public tap/stand pipe | 14.2 | 60.4 | 10.3 | 29.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 410 | 15 | 2894 | 128 | |
| 6. Tube well | 12 | 12 | 19.1 | 68.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 774 | 35 | 6456 | 274 | |
| 7. Hand pump | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 3 | |
| 8 Protected well | 17.6 | 5.5 | 65.9 | 21.7 | 5.1 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 3181 | 121 | 18091 | 742 | |
| 9. Unprotected well | 17.8 | 11.5 | 45.7 | 33.8 | 4.4 | 4.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 100 | 6959 | 283 | 39152 | 1524 | |
| 10. Public tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | |
| 11. Private tanker - truck | 64.1 | 0 | 49.3 | 50.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 51 | 2 | 79 | 3 | |
| 12. Protected spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13. Unprotected spring | 39 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 139 | 3 | 357 | 8 | |
| 14.. Rain water collection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 1 | |
| 15. Tank/pond | 6 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 24 | 1 | 394 | 12 | |
| 16. Other surface water | 1.3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1 | 1 | 42 | 6 | |
| 19. Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | 16 | 12.9 | 47.7 | 31.6 | 4.5 | 2.9 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0.3 | 100 | 13440 | 530 | 83766 | 3355 | |
| no.of households | estd.(00) | 13440 | 1736 | 6410 | 4247 | 599 | 392 | 0 | 16 | 0 | 0 | 0 | 0 | 41 | 13440 | X | X | X | X |
| | sample | 530 | 67 | 245 | 168 | 32 | 15 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 530 | X | X | X | X |

| Table 17 : Percentage distribution of households stored drinking water by duration of storing drinking water in the main container and percentage of households covered the main container used for storing drinking water separately for different material of the main container | | | | | | | | |
|--|-----------|---|------------------------------------|------------------------------------|----------------|-------|------------|--------|
| Kerala | | | Rural | | | | | |
| material of the main container | | percentage of households who covered the main container used for storing drinking water | duration of storing drinking water | | | | | |
| | | | less than 1 day | 1 day or more but less than 3 days | 3 days or more | all | estd. (00) | sample |
| | | | | | | | all | all |
| non-metal : | | | | | | | | |
| earthen | | 97.8 | 42.8 | 53.1 | 4.1 | 100.0 | 1094 | 46 |
| plastic | | 98.9 | 71.1 | 26.6 | 2.2 | 100.0 | 9171 | 381 |
| other non-metal | | 100.0 | 83.5 | 16.5 | 0.0 | 100.0 | 268 | 18 |
| metal : | | | | | | | | |
| iron | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 |
| copper | | 100.0 | 17.5 | 82.5 | 0.0 | 100.0 | 44 | 2 |
| stainless steel | | 98.9 | 84.0 | 15.0 | 1.0 | 100.0 | 27129 | 1018 |
| brass | | 100.0 | 61.4 | 38.6 | 0.0 | 100.0 | 186 | 10 |
| other metal | | 98.6 | 68.4 | 31.6 | 0.0 | 100.0 | 3934 | 152 |
| all | | 98.9 | 78.5 | 20.3 | 1.2 | 100.0 | 41827 | 1627 |
| no.of house holds | estd.(00) | 41348 | 32825 | 8481 | 520 | 41727 | x | x |
| | sample | 1606 | 1262 | 345 | 20 | 1627 | x | x |

| Table 17 : Percentage distribution of households stored drinking water by duration of storing drinking water in the main container and percentage of households covered the main container used for storing drinking water separately for different material of the main container | | | | | | | | |
|--|-----------|---|------------------------------------|------------------------------------|----------------|-------|------------|--------|
| Kerala | | | Urban | | | | | |
| material of the main container | | percentage of households who covered the main container used for storing drinking water | duration of storing drinking water | | | | | |
| | | | less than 1 day | 1 day or more but less than 3 days | 3 days or more | all | estd. (00) | sample |
| | | | | | | | all | all |
| non-metal : | | | | | | | | |
| earthen | | 100.0 | 80.4 | 18.3 | 1.3 | 100.0 | 722 | 28 |
| plastic | | 99.2 | 68.1 | 24.3 | 7.6 | 100.0 | 7318 | 311 |
| other non-metal | | 96.4 | 91.9 | 8.1 | 0.0 | 100.0 | 788 | 30 |
| metal : | | | | | | | | |
| iron | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 |
| copper | | 100.0 | 100.0 | 0.0 | 0.0 | 100.0 | 69 | 3 |
| stainless steel | | 98.3 | 83.6 | 15.9 | 0.6 | 100.0 | 27229 | 1141 |
| brass | | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 35 | 2 |
| other metal | | 100.0 | 70.7 | 28.5 | 0.8 | 100.0 | 3651 | 136 |
| all | | 98.6 | 79.6 | 18.5 | 1.9 | 100.0 | 39812 | 1651 |
| no.of house holds | estd.(00) | 39267 | 31693 | 7371 | 747 | 39812 | x | x |
| | sample | 1628 | 1310 | 310 | 31 | 1651 | x | x |

| Table 17 : Percentage distribution of households stored drinking water by duration of storing drinking water in the main container and percentage of households covered the main container used for storing drinking water separately for different material of the main container | | | | | | | | |
|--|-----------|---|------------------------------------|------------------------------------|----------------|-------|------------|--------|
| Kerala | | | Rural + Urban | | | | | |
| material of the main container | | percentage of households who covered the main container used for storing drinking water | duration of storing drinking water | | | | | |
| | | | less than 1 day | 1 day or more but less than 3 days | 3 days or more | all | estd. (00) | sample |
| | | | | | | | all | all |
| non-metal : | | | | | | | | |
| earthen | | 98.7 | 57.8 | 39.2 | 3.0 | 100.0 | 1816 | 74 |
| plastic | | 99.0 | 69.8 | 25.6 | 4.6 | 100.0 | 16489 | 692 |
| other non-metal | | 97.3 | 89.8 | 10.2 | 0.0 | 100.0 | 1055 | 48 |
| metal : | | | | | | | | |
| iron | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 | 0 |
| copper | | 100.0 | 67.8 | 32.2 | 0.0 | 100.0 | 114 | 5 |
| stainless steel | | 98.6 | 83.8 | 15.4 | 0.8 | 100.0 | 54358 | 2159 |
| brass | | 100.0 | 51.8 | 48.2 | 0.0 | 100.0 | 221 | 12 |
| other metal | | 99.3 | 69.5 | 30.1 | 0.4 | 100.0 | 7585 | 288 |
| all | | 98.7 | 79.0 | 19.4 | 1.6 | 100.0 | 81638 | 3278 |
| no.of house holds | estd.(00) | 80614 | 64518 | 15853 | 1267 | 81638 | x | x |
| | sample | 3234 | 2572 | 655 | 51 | 33278 | x | x |

Table 18: Percentage distribution of households by principal source of water for all household activities excluding drinking, separately for households with different principal sources of drinking water

| Kerala | | Rural | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--------|-----------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|-----------|---------------------|--------|------|------------|--------|-----|
| principal sources of drinking water | | principal source of water for all | | | | | | | | | | | | | | | | | | | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tube well | hand pump | well | | tanker-truck | | spring | | surface water | | | | all | estd. (00) | sample | |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | rain water collection | tank/pond | other surface water | others | | all | all | all |
| bottled water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| piped water into dwelling | | 0 | 89.2 | 1.5 | 0 | 0 | 5.2 | 0 | 0 | 3.1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 100 | 2512 | 99 | |
| piped waterto yard /plot | | 0 | 11.2 | 85.1 | 0 | 0 | 0 | 0.7 | 0 | 0.9 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0.8 | 0 | 100 | 3191 | 137 | |
| piped water from neighbour | | 0 | 0 | 0 | 79 | 5.1 | 15.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 459 | 18 | |
| public tap/stand pipe | | 0 | 0 | 0 | 11.8 | 59.5 | 21.4 | 0 | 0 | 7.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 733 | 45 | |
| tube well | | 0.7 | 1 | 1.6 | 0 | 0.9 | 94 | 0 | 0.9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 3648 | 158 | |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 53.8 | 22 | 0 | 24.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 98 | 3 | |
| protected well | | 0 | 2.2 | 4.9 | 0.9 | 0.5 | 2.3 | 0 | 87.8 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 100 | 11621 | 457 | |
| unprotected well | | 0 | 2.2 | 2 | 0.4 | 0.6 | 0.1 | 0 | 0 | 93.9 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0 | 100 | 19341 | 705 | |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 8 | 1 | |
| private tanker-truck | | 0 | 0 | 52.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.5 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 54 | 2 | |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unprotected spring | | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 100 | 357 | 8 | |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 23 | 1 | |
| tank/pond | | 0 | 0 | 0 | 6.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.6 | 0 | 0 | 100 | 394 | 12 | |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 42 | 6 | |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | | 0.1 | 8.1 | 8.9 | 1.5 | 1.6 | 9.7 | 0.1 | 24.1 | 43.6 | 0 | 0.1 | 0 | 0.7 | 0 | 1 | 0.6 | 0.1 | 100 | 42481 | 1652 | |
| no.of house holds | | estd.(00) | 24 | 3426 | 3797 | 649 | 667 | 4131 | 42 | 10237 | 18503 | 0 | 26 | 0 | 306 | 0 | 408 | 240 | 25 | 42481 | X | X |
| | sample | 1 | 139 | 156 | 26 | 31 | 187 | 2 | 402 | 673 | 0 | 1 | 0 | 8 | 0 | 12 | 13 | 1 | 1652 | X | X | |

| Table 18: Percentage distribution of households by principal source of water for all household activities excluding drinking, separately for households with different principal sources of drinking water | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|-----------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|-----------|---------------------|--------|------|------------|--------|---|
| Kerala | | Urban | | | | | | | | | | | | | | | | | | | | |
| principal sources of drinking water | | principal source of water for all | | | | | | | | | | | | | | | | | | | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tube well | hand pump | well | | tanker-truck | | spring | | surface water | | | | all | estd. (00) | sample | |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | rain water collection | tank/pond | other surface water | others | | all | all | |
| bottled water | | 0 | 19.3 | 0 | 0 | 0 | 34.3 | 0 | 11.2 | 29.7 | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 709 | 25 | |
| piped water into dwelling | | 0.3 | 80 | 0 | 0 | 0 | 7 | 0 | 1.7 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 7127 | 285 | |
| piped waterto yard /plot | | 0 | 7 | 63.5 | 0 | 0.6 | 1.5 | 0 | 3.5 | 23.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1660 | 66 | |
| piped water from neighbour | | 0 | 0 | 0 | 75.8 | 0 | 7.8 | 0 | 0 | 16.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 514 | 23 | |
| public tap/stand pipe | | 0 | 0.9 | 0 | 0 | 23.5 | 54.3 | 0 | 1.2 | 20.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2161 | 83 | |
| tube well | | 0 | 1.9 | 0 | 0 | 0 | 96.4 | 0 | 0.2 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2808 | 116 | |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| protected well | | 0 | 3 | 0.9 | 0 | 0 | 0.7 | 0 | 92 | 3.4 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 100 | 6471 | 285 | |
| unprotected well | | 0 | 1.3 | 0.8 | 0 | 0 | 0.2 | 0 | 0 | 97 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 100 | 19810 | 819 | |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| private tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 25 | 1 | |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unprotected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| rain water collection | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| tank/pond | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | | 0.1 | 15.7 | 3.1 | 0.9 | 1.3 | 11.6 | 0 | 15.1 | 51.9 | 0.2 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 | 100 | 41285 | 1703 | |
| no.of house holds | | estd.(00) | 24 | 6477 | 1267 | 389 | 517 | 4772 | 0 | 6241 | 21413 | 93 | 39 | 5 | 0 | 0 | 0 | 47 | 0 | 41285 | X | X |
| | sample | 1 | 267 | 53 | 17 | 16 | 198 | 0 | 280 | 865 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1703 | X | X | |

| Table 18: Percentage distribution of households by principal source of water for all household activities excluding drinking, separately for households with different principal sources of drinking water | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-----------------------------------|---------------------------|--------------------------|----------------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|-----------|---------------------|--------|-------|------------|--------|
| Kerala | | Rural + Urban | | | | | | | | | | | | | | | | | | | |
| principal sources of drinking water | | principal source of water for all | | | | | | | | | | | | | | | | | | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from neighbour | public tap/stand pipe | tube well | hand pump | well | | tanker-truck | | spring | | surface water | | | | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | rain water collection | tank/pond | other surface water | others | | | |
| bottled water | | 0 | 19.3 | 0 | 0 | 0 | 34.3 | 0 | 11.2 | 29.7 | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 709 | 25 |
| piped water into dwelling | | 0.3 | 82.4 | 0.4 | 0 | 0 | 6.5 | 0 | 1.2 | 8.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 100 | 9639 | 384 |
| piped water to yard /plot | | 0 | 9.8 | 77.7 | 0 | 0.2 | 0.5 | 0.4 | 1.2 | 8.7 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0.5 | 0 | 100 | 4851 | 203 |
| piped water from neighbour | | 0 | 0 | 0 | 77.3 | 2.4 | 11.6 | 0 | 0 | 8.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 973 | 41 |
| public tap/stand pipe | | 0 | 0.7 | 0 | 3 | 32.6 | 46 | 0 | 0.9 | 16.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2894 | 128 |
| tube well | | 0.4 | 1.4 | 0.9 | 0 | 0.5 | 95 | 0 | 0.6 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 6456 | 274 |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 53.8 | 22 | 0 | 24.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 98 | 3 |
| protected well | | 0 | 2.5 | 3.5 | 0.6 | 0.3 | 1.7 | 0 | 89.3 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.1 | 100 | 18091 | 742 |
| unprotected well | | 0 | 1.7 | 1.4 | 0.2 | 0.3 | 0.2 | 0 | 0 | 95.5 | 0.2 | 0 | 0 | 0 | 0 | 0.1 | 0.4 | 0 | 100 | 39152 | 1524 |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 8 | 1 |
| private tanker-truck | | 0 | 0 | 35.9 | 0 | 0 | 0 | 0 | 0 | 31.6 | 0 | 32.5 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 79 | 3 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 100 | 357 | 8 |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 23 | 1 |
| tank/pond | | 0 | 0 | 0 | 6.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.6 | 0 | 0 | 100 | 394 | 12 |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 100 | 42 | 6 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 0.1 | 11.8 | 6 | 1.2 | 1.4 | 10.6 | 0.1 | 19.7 | 47.7 | 0.1 | 0.1 | 0 | 0.4 | 0 | 0.5 | 0.3 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 48 | 9903 | 5065 | 1038 | 1185 | 8903 | 42 | 16478 | 39916 | 93 | 65 | 5 | 306 | 0 | 408 | 287 | 25 | 83766 | X | X |
| | sample | 2 | 406 | 209 | 43 | 47 | 385 | 2 | 682 | 1538 | 3 | 2 | 1 | 8 | 0 | 12 | 14 | 1 | 3355 | X | X |

Table 19: Percentage of households getting sufficient water throughout the year for all

| Kerala | | | | | | | | | | | | |
|-------------------|--|---|--|------------------|--------------------|----------------|--------|-----|-------------------|--------|---------------------|--------|
| rural | | | | | | | | | | | | |
| state | percentage of households getting water throughout the year for all | percentage of hhs* where water is metered | percentage distribution of hhs** by frequency of supply of water | | | | | | no.of households* | | no. of households** | |
| | | | daily | once in two days | once in three days | once in a week | others | all | estd. (00) | sample | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 14 | 15 |
| Kerala | 84.5 | 87.6 | 58.9 | 23.4 | 10.9 | 2.9 | 3.9 | 100 | 10465 | 430 | 14045 | 593 |
| no.of house holds | estd.(00) | 35892 | 9167 | 8271 | 3290 | 1526 | 414 | 544 | 14045 | X | X | X |
| | sample | 1400 | 348 | 366 | 133 | 58 | 15 | 21 | 593 | X | X | X |

| Table 19: Percentage of households getting sufficient water throughout the year for all | | | | | | | | | | | | |
|---|--|---|--|------------------|--------------------|----------------|--------|-----|-------------------|--------|---------------------|--------|
| Kerala | | | | | | | | | urban | | | |
| state | percentage of households getting water throughout the year for all | percentage of hhs* where water is metered | percentage distribution of hhs** by frequency of supply of water | | | | | | no.of households* | | no. of households** | |
| | | | daily | once in two days | once in three days | once in a week | others | all | estd. (00) | sample | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 14 | 16 |
| Kerala | 92.3 | 93.2 | 78.8 | 14.9 | 3 | 1.8 | 1.6 | 100 | 11961 | 488 | 16316 | 662 |
| no.of house holds | estd.(00) | 38108 | 11152 | 12862 | 2427 | 484 | 286 | 256 | 16316 | X | X | X |
| | sample | 1566 | 458 | 525 | 93 | 21 | 12 | 11 | 662 | X | X | X |

Table 19: Percentage of households getting sufficient water throughout the year for all

| Kerala | | | | | | | | | | | | |
|----------------------|--|---|--|------------------|--------------------|----------------|--------|-----|-------------------|--------|---------------------|--------|
| rural + urban | | | | | | | | | | | | |
| state | percentage of households getting water throughout the year for all | percentage of hhs* where water is metered | percentage distribution of hhs** by frequency of supply of water | | | | | | no.of households* | | no. of households** | |
| | | | daily | once in two days | once in three days | once in a week | others | all | estd. (00) | sample | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 14 | 16 |
| Kerala | 88.3 | 90.6 | 69.6 | 18.8 | 6.6 | 2.3 | 2.6 | 100 | 22425 | 918 | 30361 | 1255 |
| no.of house holds | estd.(00) | 74000 | 20319 | 21133 | 5718 | 2010 | 700 | 800 | 30361 | X | X | X |
| | sample | 2966 | 806 | 891 | 226 | 79 | 27 | 32 | 1255 | X | X | X |

Table 20: Percentage distribution of households by payment of water charges and average amount (Rs.) paid for water charges per month for each state/u.t.

| Kerala | | | | | | rural | | | |
|--|---|---|--|---------------------|-------|--|---|-------------------|--------|
| state/u.t./ Gr. of NE states/Gr.of Uts/all | percentage distribution of households by payment of water charges | | | | | average amount of water charges paid per moth where | | no. of households | |
| | usually paid and information on full amount of payment is available | usually paid and information on some amount of payment is available | usually paid but no information on amount paid is separately available | not required to pay | all | information on full amount of payment is available (Rs.) | information on some amount of payment is available (Rs) | estd. (00) | sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Kerala | 21.3 | 3 | 1 | 74.7 | 100 | 110.96 | 154.55 | 42481 | 1652 |
| no.of house holds | estd.(00) | 9058 | 1260 | 426 | 31737 | 42481 | X | X | X |
| | sample | 351 | 47 | 15 | 1239 | 1652 | X | X | X |

Table 20: Percentage distribution of households by payment of water charges and average amount (Rs.) paid for water charges per month for each state/u.t.

| Kerala | | | | | | Urban | | | | |
|--|-----------|---|---|--|---------------------|-------|--|---|-------------------|--------|
| state/u.t./ Gr. of NE states/Gr.of Uts/all | | percentage distribution of households by payment of water charges | | | | | average amount of water charges paid per moth where | | no. of households | |
| | | usually paid and information on full amount of payment is available | usually paid and information on some amount of payment is available | usually paid but no information on amount paid is separately available | not required to pay | all | information on full amount of payment is available (Rs.) | information on some amount of payment is available (Rs) | estd. (00) | sample |
| | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Kerala | | 23.2 | 5.3 | 4.2 | 67.3 | 100 | 145.46 | 143.81 | 41285 | 1703 |
| no.of house holds | estd.(00) | 9596 | 2177 | 1719 | 27794 | 41285 | X | X | X | X |
| | sample | 401 | 91 | 47 | 1164 | 1703 | X | X | X | X |

Table 20: Percentage distribution of households by payment of water charges and average amount (Rs.) paid for water charges per month for each state/u.t.

| Kerala | | | | | | Rural + Urban | | | | |
|--|-----------|---|---|--|---------------------|---------------|--|---|-------------------|--------|
| state/u.t./ Gr. of NE states/Gr.of Uts/all | | percentage distribution of households by payment of water charges | | | | | average amount of water charges paid per moth where | | no. of households | |
| | | usually paid and information on full amount of payment is available | usually paid and information on some amount of payment is available | usually paid but no information on amount paid is separately available | not required to pay | all | information on full amount of payment is available (Rs.) | information on some amount of payment is available (Rs) | estd. (00) | sample |
| | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Kerala | | 22.3 | 4.1 | 2.6 | 71.1 | 100 | 128.71 | 147.74 | 83766 | 3355 |
| no.of house holds | estd.(00) | 18654 | 3437 | 2145 | 59531 | 83766 | X | X | X | X |
| | sample | 752 | 138 | 62 | 2403 | 3355 | X | X | X | X |

| Table 21: Percentage distribution of households by access to bathroom for each quintile class on UMPCE | | | | | | | | | |
|--|----------------------------|--|--|-------------------------------------|--------|-------------|-------|----------------------|--------|
| Kerala | | | | | rural | | | | |
| quintile class on UMPCE | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 96.7 | 0.3 | 0.6 | 0 | 1 | 1.3 | 100 | 7240 | 271 |
| 20-40 | 97.5 | 1.2 | 0 | 0 | 0.3 | 1 | 100 | 7907 | 326 |
| 40-60 | 98.4 | 0.3 | 0 | 0 | 0.9 | 0.4 | 100 | 8183 | 326 |
| 60-80 | 97.7 | 0.1 | 0 | 0 | 0.7 | 1.5 | 100 | 9095 | 335 |
| 80-100 | 98.7 | 0.8 | 0 | 0 | 0 | 0.5 | 100 | 10057 | 394 |
| all | 97.8 | 0.6 | 0.1 | 0 | 0.6 | 0.9 | 100 | 42481 | 1652 |
| Estd (00) No. of households | 41564 | 239 | 46 | 0 | 246 | 386 | 42481 | X | X |
| Sample | 1614 | 15 | 1 | 0 | 7 | 15 | 1652 | X | X |

| Table 21: Percentage distribution of households by access to bathroom for each quintile class on UMPCE | | | | | | | | | |
|--|----------------------------|--|--|-------------------------------------|--------|-------------|-------|----------------------|--------|
| Kerala | | | | | Urban | | | | |
| quintile class on UMPCE | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 97.8 | 1.2 | 0 | 0 | 0.3 | 0.7 | 100.0 | 6465 | 282 |
| 20-40 | 92.5 | 5.8 | 0 | 0 | 0.0 | 1.7 | 100.0 | 7746 | 365 |
| 40-60 | 96.7 | 2.2 | 0 | 0 | 0.0 | 1.1 | 100.0 | 7797 | 357 |
| 60-80 | 94.3 | 5.3 | 0 | 0 | 0.0 | 0.5 | 100.0 | 8843 | 348 |
| 80-100 | 91.2 | 7.9 | 0 | 0 | 0.6 | 0.3 | 100.0 | 10434 | 351 |
| all | 94.2 | 4.8 | 0 | 0 | 0.2 | 0.8 | 100 | 41285 | 1703 |
| Estd (00) No. of households | 38876 | 1989 | 0 | 0 | 84 | 336 | 41285 | X | X |
| Sample | 1620 | 69 | 0 | 0 | 2 | 12 | 1703 | X | X |

| Table 21: Percentage distribution of households by access to bathroom for each quintile class on UMPCE | | | | | | | | | |
|--|----------------------------|--|--|-------------------------------------|---------------|-------------|-------|----------------------|--------|
| Kerala | | | | | Rural + Urban | | | | |
| quintile class on UMPCE | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 97.2 | 0.8 | 0.3 | 0 | 0.7 | 1.0 | 100.0 | 13705 | 553 |
| 20-40 | 95.0 | 3.5 | 0 | 0 | 0.2 | 1.4 | 100.0 | 15653 | 691 |
| 40-60 | 97.6 | 1.2 | 0 | 0 | 0.5 | 0.7 | 100.0 | 15979 | 683 |
| 60-80 | 96.0 | 2.7 | 0 | 0 | 0.4 | 1.0 | 100.0 | 17938 | 683 |
| 80-100 | 94.9 | 4.4 | 0 | 0 | 0.3 | 0.4 | 100.0 | 20491 | 745 |
| all | 96.0 | 2.7 | 0.1 | 0 | 0.4 | 0.8 | 100 | 83766 | 3355 |
| Estd (00) No. of households | 80441 | 2228 | 46 | 0 | 330 | 722 | 83766 | X | X |
| Sample | 3234 | 84 | 1 | 0 | 9 | 27 | 3355 | X | X |

Table 22: Percentage distribution of households by access to bathroom for different household social group and household religion

| Kerala | | | | | Rural | | | | |
|--|-------------------------------|---|---|---|--------|----------------|-------|----------------------|--------|
| household social group / household religion | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| ST | 86.4 | 6.6 | 6.2 | 0.0 | 0.0 | 0.8 | 100.0 | 751 | 26 |
| SC | 92.6 | 0.3 | 0.0 | 0.0 | 1.1 | 6.0 | 100.0 | 4532 | 189 |
| OBC | 99.0 | 0.2 | 0.0 | 0.0 | 0.5 | 0.3 | 100.0 | 24800 | 986 |
| Others | 98.2 | 1.0 | 0.0 | 0.0 | 0.5 | 0.3 | 100.0 | 12398 | 451 |
| all | 97.8 | 0.6 | 0.1 | 0.0 | 0.6 | 0.9 | 100.0 | 42481 | 1652 |
| Hinduism | 97.4 | 0.5 | 0.2 | 0 | 0.6 | 1.3 | 100 | 24729 | 974 |
| Islam | 99.6 | 0.4 | 0.0 | 0 | 0 | 0 | 100 | 8123 | 328 |
| Christianity | 97.9 | 1 | 0.0 | 0 | 1.1 | 0 | 100 | 8427 | 297 |
| Sikhism | 100 | 0 | 0.0 | 0 | 0 | 0 | 100 | 132 | 3 |
| Others | 93.9 | 0 | 0.0 | 0 | 0 | 6.1 | 100 | 1070 | 50 |
| all | 97.8 | 0.6 | 0.1 | 0 | 0.6 | 0.9 | 100 | 42481 | 1652 |
| Estd (00) No. of households | 41564 | 239 | 46 | 0 | 246 | 386 | 42481 | X | X |
| Sample No. of Households | 1614 | 15 | 1 | 0 | 7 | 15 | 1652 | X | X |

| Table 22: Percentage distribution of households by access to bathroom for different household social group and household religion | | | | | | | | | |
|---|-------------------------------|---|---|---|--------|----------------|-------|----------------------|--------|
| Kerala | | | | | Urban | | | | |
| household social group / household religion | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| ST | 86.0 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 175 | 8 |
| SC | 85.1 | 9.1 | 0.0 | 0.0 | 0.0 | 5.8 | 100.0 | 3067 | 126 |
| OBC | 95.4 | 4.2 | 0.0 | 0.0 | 0.1 | 0.3 | 100.0 | 25645 | 1088 |
| Others | 93.9 | 4.9 | 0.0 | 0.0 | 0.5 | 0.7 | 100.0 | 12398 | 481 |
| all | 94.2 | 4.8 | 0.0 | 0.0 | 0.2 | 0.8 | 100.0 | 41285 | 1703 |
| Hinduism | 94.3 | 4.7 | 0.0 | 0 | 0.4 | 0.6 | 100 | 22865 | 928 |
| Islam | 94.3 | 5.4 | 0.0 | 0 | 0 | 0.3 | 100 | 9602 | 439 |
| Christianity | 93.9 | 5.4 | 0.0 | 0 | 0 | 0.7 | 100 | 7209 | 280 |
| Sikhism | 100 | 0 | 0.0 | 0 | 0 | 0 | 100 | 62 | 2 |
| Others | 91.8 | 0 | 0.0 | 0 | 0 | 8.2 | 100 | 1546 | 54 |
| all | 94.2 | 4.8 | 0.0 | 0 | 0.2 | 0.8 | 100 | 41285 | 1703 |
| Estd (00) No. of households | 38876 | 1989 | 0.0 | 0.0 | 84 | 336 | 41285 | X | X |
| Sample No. of Households | 1620 | 69 | 0 | 0 | 2 | 12 | 1703 | X | X |

Table 22: Percentage distribution of households by access to bathroom for different household social group and household religion

| Kerala | | | | | Rural + Urban | | | | |
|--|-------------------------------|---|---|---|---------------|----------------|-------|----------------------|--------|
| household social group / household religion | access to bathroom | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no bathroom | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| ST | 86.3 | 8.0 | 5.0 | 0.0 | 0.0 | 0.6 | 100.0 | 927 | 34 |
| SC | 89.6 | 3.8 | 0.0 | 0.0 | 0.7 | 5.9 | 100.0 | 7599 | 315 |
| OBC | 97.2 | 2.2 | 0.0 | 0.0 | 0.3 | 0.3 | 100.0 | 50445 | 2074 |
| Others | 96.0 | 3.0 | 0.0 | 0.0 | 0.5 | 0.5 | 100.0 | 24796 | 932 |
| all | 96.0 | 2.7 | 0.1 | 0.0 | 0.4 | 0.9 | 100.0 | 83766 | 3355 |
| Hinduism | 95.9 | 2.5 | 0.1 | 0 | 0.5 | 1.0 | 100 | 47594 | 1902 |
| Islam | 96.7 | 3.1 | 0.0 | 0 | 0 | 0.1 | 100 | 17725 | 767 |
| Christianity | 96.1 | 3 | 0.0 | 0 | 0.6 | 0.3 | 100 | 15636 | 577 |
| Sikhism | 100 | 0 | 0.0 | 0 | 0 | 0 | 100 | 194 | 5 |
| Others | 92.7 | 0 | 0.0 | 0 | 0 | 7.3 | 100 | 2617 | 104 |
| all | 96 | 2.7 | 0.1 | 0 | 0.4 | 0.9 | 100 | 83766 | 3355 |
| Estd (00) No. of households | 80441 | 2228 | 46 | 0 | 330 | 722 | 83766 | X | X |
| Sample No. of Households | 3234 | 84 | 1 | 0 | 9 | 27 | 3355 | X | X |

| Table 23: Percentage distribution of households having access to bathroom by type of bathroom used for each quintile class on UMPCE | | | | | | | |
|---|--|---|--------|----------|-------|--|--------|
| State : Kerala | | | | | | rural | |
| Quintile class on UMPCE | distribution of households having access to bathroom | | | | | number of households having access to bathroom | |
| | type of bathroom used | | | Not used | all | estd. (00) | sample |
| | attached to the dwelling unit | detached to the dwelling unit but within the household premises | others | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 00-20 | 38.6 | 61.1 | 0.4 | 0 | 100 | 7100 | 265 |
| 20-40 | 53.5 | 46 | 0.3 | 0.3 | 100 | 7827 | 323 |
| 40-60 | 61.3 | 37.8 | 0.9 | 0 | 100 | 8154 | 324 |
| 60-80 | 68.3 | 31.7 | 0 | 0 | 100 | 8959 | 331 |
| 80-100 | 68.8 | 31.2 | 0 | 0 | 100 | 10010 | 393 |
| all | 59.3 | 40.4 | 0.3 | 0 | 100 | 42049 | 1636 |
| no. of households having access to bathroom.Estd (00) | 24927 | 16975 | 127 | 20 | 42049 | X | X |
| Sample | 951 | 680 | 4 | 1 | 1636 | X | X |

| Table 23: Percentage distribution of households having access to bathroom by type of bathroom used for each quintile class on UMPCE | | | | | | | |
|---|--|---|--------|----------|-------|--|--------|
| State : Kerala | | | | | | Urban | |
| Quintile class on UMPCE | distribution of households having access to bathroom | | | | | number of households having access to bathroom | |
| | type of bathroom used | | | Not used | all | estd. (00) | sample |
| | attached to the dwelling unit | detached to the dwelling unit but within the household premises | others | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 00-20 | 54.4 | 45.3 | 0.3 | 0 | 100 | 6417 | 280 |
| 20-40 | 62.6 | 37.4 | 0.0 | 0 | 100 | 7614 | 361 |
| 40-60 | 72.2 | 27.8 | 0.0 | 0 | 100 | 7708 | 354 |
| 60-80 | 77.9 | 22.1 | 0.0 | 0 | 100 | 8803 | 346 |
| 80-100 | 86.0 | 14.0 | 0.0 | 0 | 100 | 10407 | 350 |
| all | 72.4 | 27.6 | 0 | 0 | 100 | 40949 | 1691 |
| no. of households having access to bathroom. Estd (00) | 29637 | 11295 | 18 | 0 | 40949 | X | X |
| Sample | 1232 | 458 | 1 | 0 | 1691 | X | X |

| Table 23: Percentage distribution of households having access to bathroom by type of bathroom used for each quintile class on UMPCE | | | | | | | |
|---|--|---|--------|----------|------|--|--------|
| State : Kerala | | | | | | Rural + Urban | |
| Quintile class on UMPCE | distribution of households having access to bathroom | | | | | number of households having access to bathroom | |
| | type of bathroom used | | | Not used | all | estd. (00) | sample |
| | attached to the dwelling unit | detached to the dwelling unit but within the household premises | others | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 00-20 | 46.1 | 53.6 | 0.3 | 0 | 100 | 13516 | 545 |
| 20-40 | 58.0 | 41.8 | 0.2 | 0.1 | 100 | 15441 | 684 |
| 40-60 | 66.6 | 32.9 | 0.5 | 0 | 100 | 15862 | 678 |
| 60-80 | 73.1 | 26.9 | 0.0 | 0 | 100 | 17762 | 677 |
| 80-100 | 77.6 | 22.4 | 0.0 | 0 | 100 | 20417 | 743 |
| all | 65.7 | 34.1 | 0.2 | 0 | 100 | 82998 | 3327 |
| no. of households having access to bathroom. Estd (00) | 54563 | 28270 | 144 | 20 | 100 | X | X |
| Sample | 2183 | 1138 | 5 | 1 | 3327 | X | X |

| Table 24: Percentage distribution of households by distance of dwelling unit from the bathing place for each quintile class on UMPCE | | | | | | | | | | |
|--|-----------------|--|-----------------------------------|---------------|---------------|---------------|----------------|-------|----------------------|--------|
| State : Kerala | | | | | | | | | rural | |
| Quintile class on UMPCE | within dwelling | distance (km) from bathing place | | | | | | | number of households | |
| | | outside dwelling but within the premises | outside premises at a distance of | | | | | all | estd. (00) | sample |
| | | | less than 0.2 km | 0.2 to 0.5 km | 0.5 to 1.0 km | 1.0 to 1.5 km | 1.5 km or more | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 00-20 | 41.5 | 57.2 | 1.2 | 0 | 0 | 0 | 0 | 100 | 7240 | 271 |
| 20-40 | 57.1 | 41.9 | 1 | 0 | 0 | 0 | 0 | 100 | 7907 | 326 |
| 40-60 | 61.7 | 37.4 | 0.9 | 0 | 0 | 0 | 0 | 100 | 8183 | 326 |
| 60-80 | 69.6 | 30 | 0 | 0.4 | 0 | 0 | 0 | 100 | 9095 | 335 |
| 80-100 | 69.3 | 30.7 | 0 | 0 | 0 | 0 | 0 | 100 | 10057 | 394 |
| all | 60.9 | 38.4 | 0.6 | 0.1 | 0 | 0 | 0 | 100 | 42481 | 1652 |
| no. of households Estd (00) | 25877 | 16319 | 248 | 35 | 0 | 2 | 0 | 42481 | X | X |
| no. of households Sample | 991 | 649 | 10 | 1 | 0 | 1 | 0 | 1652 | X | X |

| Table 24: Percentage distribution of households by distance of dwelling unit from the bathing place for each quintile class on UMPCE | | | | | | | | | | |
|--|-----------------|--|-----------------------------------|---------------|---------------|---------------|----------------|-------|----------------------|--------|
| State : Kerala | | | | | | | | | Urban | |
| Quintile class on UMPCE | within dwelling | distance (km) from bathing place | | | | | | | number of households | |
| | | outside dwelling but within the premises | outside premises at a distance of | | | | | all | estd. (00) | sample |
| | | | less than 0.2 km | 0.2 to 0.5 km | 0.5 to 1.0 km | 1.0 to 1.5 km | 1.5 km or more | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 00-20 | 56.5 | 43.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 6465 | 282 |
| 20-40 | 61.3 | 38.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 7746 | 365 |
| 40-60 | 71.4 | 28.2 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 100.0 | 7797 | 357 |
| 60-80 | 79.8 | 20.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 8843 | 348 |
| 80-100 | 86.3 | 13.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 10434 | 351 |
| all | 72.7 | 27.1 | 0.1 | 0.1 | 0 | 0 | 0 | 100 | 41285 | 1703 |
| no. of households Estd (00) | 30033 | 11195 | 29 | 29 | 0 | 0 | 0 | 41285 | X | X |
| no. of households Sample | 1250 | 450 | 2 | 1 | 0 | 0 | 0 | 1703 | X | X |

| Table 24: Percentage distribution of households by distance of dwelling unit from the bathing place for each quintile class on UMPCE | | | | | | | | | | |
|--|-----------------|--|-----------------------------------|---------------|---------------|---------------|----------------|-------|----------------------|--------|
| State : Kerala | | | | | | | | | Rural + Urban | |
| Quintile class on UMPCE | within dwelling | distance (km) from bathing place | | | | | | | number of households | |
| | | outside dwelling but within the premises | outside premises at a distance of | | | | | all | estd. (00) | sample |
| | | | less than 0.2 km | 0.2 to 0.5 km | 0.5 to 1.0 km | 1.0 to 1.5 km | 1.5 km or more | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 00-20 | 48.6 | 50.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 13705 | 553 |
| 20-40 | 59.2 | 40.3 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 15653 | 691 |
| 40-60 | 66.4 | 32.9 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 15979 | 683 |
| 60-80 | 74.6 | 25.1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 100.0 | 17938 | 683 |
| 80-100 | 78.0 | 22.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 20491 | 745 |
| all | 66.7 | 32.8 | 0.3 | 0.1 | 0 | 0 | 0 | 100 | 83766 | 3355 |
| no. of households Estd (00) | 55909 | 27514 | 276 | 64 | 0 | 2 | 0 | 83766 | X | X |
| no. of households Sample | 1099 | 12 | 2 | 0 | 1 | 0 | 0 | 3355 | X | X |

| Table 25: Percentage distribution of households by access to latrine for each quintile class on UMPCE | | | | | | | | | |
|---|----------------------------|--|--|-------------------------------------|--------|------------|-------|----------------------|--------|
| Kerala | | | | | | | | rural | |
| quintile class on UMPCE | access to latrine | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no latrine | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 96.5 | 0.8 | 0.6 | 0 | 1.5 | 0.5 | 100 | 7240 | 271 |
| 20-40 | 98.7 | 0.6 | 0 | 0 | 0.3 | 0.4 | 100 | 7907 | 326 |
| 40-60 | 98.5 | 0 | 0 | 0 | 1.5 | 0 | 100 | 8183 | 326 |
| 60-80 | 98.5 | 0.4 | 0 | 0 | 0.7 | 0.4 | 100 | 9095 | 335 |
| 80-100 | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 10057 | 394 |
| all | 98.5 | 0.3 | 0.1 | 0 | 0.9 | 0.2 | 100 | 42481 | 1652 |
| Estd (00) No. of households | 41858 | 145 | 46 | 0 | 329 | 103 | 42481 | X | X |
| Sample No. of households | 1628 | 8 | 1 | 0 | 10 | 5 | 1652 | X | X |

| Table 25: Percentage distribution of households by access to latrine for each quintile class on UMPCE | | | | | | | | | |
|---|----------------------------|--|--|-------------------------------------|--------|------------|-------|----------------------|--------|
| Kerala | | | | | Urban | | | | |
| quintile class on UMPCE | access to latrine | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no latrine | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 98.6 | 0.4 | 0.0 | 0.0 | 0.7 | 0.4 | 100 | 6465 | 282 |
| 20-40 | 99.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100 | 7746 | 365 |
| 40-60 | 99.8 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 100 | 7797 | 357 |
| 60-80 | 99.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.1 | 100 | 8843 | 348 |
| 80-100 | 96.7 | 3.3 | 0.0 | 0.0 | 0.0 | 0 | 100 | 10434 | 351 |
| all | 98.6 | 1.1 | 0 | 0 | 0.2 | 0.1 | 100 | 41285 | 1703 |
| Estd (00) No. of households | 40720 | 466 | 0 | 0 | 62 | 37 | 41285 | X | X |
| Sample No. of households | 1683 | 15 | 0 | 0 | 3 | 2 | 1703 | X | X |

| Table 25: Percentage distribution of households by access to latrine for each quintile class on UMPCE | | | | | | | | | |
|---|----------------------------|--|--|-------------------------------------|---------------|------------|-------|----------------------|--------|
| Kerala | | | | | Rural + Urban | | | | |
| quintile class on UMPCE | access to latrine | | | | | | | number of households | |
| | exclusive use of household | common use of households in the building | public / community use without payment | public / community use with payment | others | no latrine | all | estd. (00) | Sample |
| | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 0-20 | 97.5 | 0.6 | 0.3 | 0.0 | 1.1 | 0.4 | 100 | 13705 | 553 |
| 20-40 | 99.0 | 0.6 | 0.0 | 0.0 | 0.2 | 0.2 | 100 | 15653 | 691 |
| 40-60 | 99.1 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 100 | 15979 | 683 |
| 60-80 | 98.9 | 0.5 | 0.0 | 0.0 | 0.4 | 0.3 | 100 | 17938 | 683 |
| 80-100 | 98.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0 | 100 | 20491 | 745 |
| all | 98.6 | 0.7 | 0.1 | 0 | 0.5 | 0.2 | 100 | 83766 | 3355 |
| Estd (00) No. of households | 82578 | 611 | 46 | 0 | 391 | 140 | 83766 | X | X |
| Sample No. of households | 3311 | 23 | 1 | 0 | 13 | 7 | 3355 | X | X |

Table 26: Percentage distribution of households having access to latrine by type of latrine used for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | rural | | |
|---|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|---------------------|--------|----------|-------|---|------------|
| quintile class on UMPCE | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Compo sting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | | | | | | | | | | | | | | estd. (00) |
| | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0-20 | 0 | 5.4 | 1.1 | 84.3 | 0 | 4.7 | 4.5 | 0 | 0 | 0 | 0 | 100 | 7204 | 268 |
| 20-40 | 0 | 10.5 | 1.2 | 79.2 | 0 | 6.4 | 2.6 | 0 | 0 | 0 | 0 | 100 | 7874 | 325 |
| 40-60 | 0 | 15.1 | 1.5 | 78.7 | 0 | 3.9 | 0.8 | 0 | 0 | 0 | 0 | 100 | 8183 | 326 |
| 60-80 | 0 | 15.1 | 1.5 | 81.2 | 0 | 1.6 | 0.7 | 0 | 0 | 0 | 0 | 100 | 9060 | 334 |
| 80-100 | 0.7 | 26.7 | 0 | 72.5 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 100 | 10057 | 394 |
| all | 0.2 | 15.3 | 1 | 78.8 | 0 | 3.1 | 1.6 | 0 | 0 | 0 | 0 | 100 | 42378 | 1647 |
| Estd (00) No. of households havingaccess to latrine | 69 | 6498 | 435 | 33395 | 0 | 1323 | 657 | 0 | 0 | 0 | 0 | 42378 | X | X |
| Sample No. of households having access to latrine | 2 | 234 | 14 | 1319 | 0 | 59 | 19 | 0 | 0 | 0 | 0 | 1647 | X | X |

Table 26: Percentage distribution of households having access to latrine by type of latrine used for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | Urban | |
|---|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|---------------------|--------|----------|-------|---|------|
| quintile class on UMPCE | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Compo sting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | estd. (00) | Sample | | | | | | | | | | | | |
| | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0-20 | 0.8 | 13.7 | 1.9 | 73.4 | 0 | 7.6 | 2.1 | 0 | 0 | 0.5 | 0 | 100 | 6439 | 281 |
| 20-40 | 0.6 | 14.3 | 0.7 | 78.8 | 0 | 5.4 | 0 | 0 | 0 | 0 | 0 | 100 | 7746 | 365 |
| 40-60 | 0.3 | 22.4 | 2.0 | 74.6 | 0 | 0.7 | 0.1 | 0 | 0 | 0 | 0 | 100 | 7797 | 357 |
| 60-80 | 0 | 33 | 0.3 | 65.7 | 0 | 0.5 | 0.4 | 0 | 0 | 0 | 0 | 100 | 8833 | 347 |
| 80-100 | 0.2 | 54.4 | 0.0 | 44.8 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 100 | 10434 | 351 |
| all | 0.4 | 29.8 | 0.9 | 65.7 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 41249 | 1701 |
| Estd (00) No. of households havingaccess to latrine | 148 | 12329 | 362 | 27127 | 0 | 1014 | 235 | 0 | 0 | 34 | 0 | 41249 | X | X |
| Sample No. of households having access to latrine | 7 | 475 | 10 | 1148 | 0 | 39 | 21 | 0 | 0 | 1 | 0 | 1701 | X | X |

Table 26: Percentage distribution of households having access to latrine by type of latrine used for each quintile class on UMPCE

| Kerala | | | | | | Rural + Urban | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|---------------------|--------|----------|-------|---|--------|
| quintile class on UMPCE | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | households having access to latrine | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Compo sting latrine | Others | | | estd. (00) | Sample |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | all | all | all | all | all | all | all | all | all | all | all | all | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0-20 | 0.4 | 9.3 | 1.5 | 79.1 | 0 | 6.1 | 3.4 | 0 | 0 | 0.3 | 0 | 100 | 13643 | 549 |
| 20-40 | 0.3 | 12.4 | 1.0 | 79 | 0 | 5.9 | 1.3 | 0 | 0 | 0 | 0 | 100 | 15620 | 690 |
| 40-60 | 0.2 | 18.6 | 1.7 | 76.7 | 0 | 2.4 | 0.4 | 0 | 0 | 0 | 0 | 100 | 15979 | 683 |
| 60-80 | 0 | 23.9 | 0.9 | 73.6 | 0 | 1.1 | 0.6 | 0 | 0 | 0 | 0 | 100 | 17892 | 681 |
| 80-100 | 0.5 | 40.8 | 0.0 | 58.4 | 0 | 0.1 | 0.3 | 0 | 0 | 0 | 0 | 100 | 20491 | 745 |
| all | 0.3 | 22.5 | 1 | 72.3 | 0 | 2.8 | 1.1 | 0 | 0 | 0 | 0 | 100 | 83626 | 3348 |
| Estd (00) No. of households having access to latrine | 217 | 18827 | 797 | 60521 | 0 | 2337 | 892 | 0 | 0 | 34 | 0 | 83626 | X | X |
| Sample No. of households having access to latrine | 9 | 709 | 24 | 2467 | 0 | 98 | 40 | 0 | 0 | 1 | 0 | 3348 | X | X |

| Table 27: Percentage distribution of households having access to latrine by type of latrine used for different household social group and household religion | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------------|--------------------------|---|-----------------------|--------|----------|-------|---|--------|
| Kerala | | | | | | | | | | | | | rural | |
| household social group / household religion | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | | | | | | | | | | | | | estd. (00) | Sample |
| | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| ST | 0 | 4.5 | 0 | 69.6 | 0 | 13.5 | 12.4 | 0 | 0 | 0 | 0 | 100 | 749 | 25 |
| SC | 0 | 7 | 2.1 | 88.3 | 0 | 0.8 | 1.8 | 0 | 0 | 0 | 0 | 100 | 4500 | 188 |
| OBC | 0 | 12.5 | 1 | 82.1 | 0 | 3.5 | 0.9 | 0 | 0 | 0 | 0 | 100 | 24732 | 983 |
| Others | 0.6 | 24.6 | 0.7 | 69.4 | 0 | 2.6 | 2.2 | 0 | 0 | 0 | 0 | 100 | 12398 | 451 |
| all | 0.2 | 15.3 | 1 | 78.8 | 0 | 3.1 | 1.6 | 0 | 0 | 0 | 0 | 100 | 42378 | 1647 |
| Hinduism | 0.1 | 16.7 | 1.5 | 78.2 | 0 | 1.6 | 1.8 | 0 | 0 | 0 | 0 | 100 | 24625 | 969 |
| Islam | 0 | 8.2 | 0.4 | 81.6 | 0 | 8.9 | 1 | 0 | 0 | 0 | 0 | 100 | 8123 | 328 |
| Christianity | 0.4 | 18.3 | 0.1 | 77.3 | 0 | 2.3 | 1.6 | 0 | 0 | 0 | 0 | 100 | 8427 | 297 |
| Sikhism | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 132 | 3 |
| Others | 0 | 15.2 | 2.1 | 81.6 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 100 | 1070 | 50 |
| all | 0.2 | 15.3 | 1 | 78.8 | 0 | 3.1 | 1.6 | 0 | 0 | 0 | 0 | 100 | 42378 | 1647 |
| Estd (00) No. of households | 69 | 6498 | 435 | 33395 | 0 | 1323 | 657 | 0 | 0 | 0 | 0 | 42378 | X | X |
| Sample No. of Households | 2 | 234 | 14 | 1319 | 0 | 59 | 19 | 0 | 0 | 0 | 0 | 1647 | X | X |

| Table 27: Percentage distribution of households having access to latrine by type of latrine used for different household social group and household religion | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------------|--------------------------|---|-----------------------|--------|----------|-------|---|------|
| Kerala | | | | | | | | | | | | | Urban | |
| household social group / household religion | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | estd. (00) | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | all | all |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| ST | 0 | 59.3 | 0 | 40.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 175 | 8 |
| SC | 0 | 16.5 | 0 | 81.6 | 0 | 0.6 | 1.3 | 0 | 0 | 0 | 0 | 100 | 3030 | 124 |
| OBC | 0.4 | 23.2 | 0.7 | 71 | 0 | 3.8 | 0.8 | 0 | 0 | 0.1 | 0 | 100 | 25645 | 1088 |
| Others | 0.4 | 46.5 | 1.4 | 51.5 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 100 | 12398 | 481 |
| all | 0.4 | 29.9 | 0.9 | 65.8 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 41249 | 1701 |
| Hinduism | 0.7 | 28.8 | 1.4 | 68.1 | 0 | 0.4 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 22828 | 926 |
| Islam | 0 | 16.9 | 0 | 72.7 | 0 | 9.4 | 1 | 0 | 0 | 0 | 0 | 100 | 9602 | 439 |
| Christianity | 0 | 54.5 | 0 | 45.2 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 100 | 7209 | 280 |
| Sikhism | 0 | 91.9 | 0 | 8.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 62 | 2 |
| Others | 0 | 9.9 | 3.4 | 86.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 1546 | 54 |
| all | 0.4 | 29.9 | 0.9 | 65.8 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 41249 | 1701 |
| Estd (00) No. of households | 148 | 12329 | 362 | 27127 | 0 | 1014 | 235 | 0 | 0 | 34 | 0 | 41249 | X | X |
| Sample No. of Households | 7 | 475 | 10 | 1148 | 0 | 39 | 21 | 0 | 0 | 1 | 0 | 1701 | X | X |

| Table 27: Percentage distribution of households having access to latrine by type of latrine used for different household social group and household religion | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|--------------------|--------|----------|-------|---|--------|
| Kerala | | | | | | | | | | | | | Rural + Urban | |
| household social group / household religion | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | | | | | | | | | | | | | estd. (00) | Sample |
| | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| ST | 0 | 14.9 | 0 | 64.1 | 0 | 11 | 10 | 0 | 0 | 0 | 0 | 100 | 924 | 33 |
| SC | 0 | 10.8 | 1.3 | 85.6 | 0 | 0.7 | 1.6 | 0 | 0 | 0 | 0 | 100 | 7530 | 312 |
| OBC | 0.2 | 18 | 0.9 | 76.4 | 0 | 3.7 | 0.8 | 0 | 0 | 0.1 | 0 | 100 | 50377 | 2071 |
| Others | 0.5 | 35.6 | 1.1 | 60.4 | 0 | 1.3 | 1.1 | 0 | 0 | 0 | 0 | 100 | 24796 | 932 |
| all | 0.3 | 22.5 | 1 | 72.4 | 0 | 2.8 | 1.1 | 0 | 0 | 0 | 0 | 100 | 83626 | 3348 |
| Hinduism | 0.4 | 22.5 | 1.4 | 73.3 | 0 | 1 | 1.2 | 0 | 0 | 0.1 | 0 | 100 | 47454 | 1895 |
| Islam | 0 | 12.9 | 0.2 | 76.8 | 0 | 9.2 | 1 | 0 | 0 | 0 | 0 | 100 | 17725 | 767 |
| Christianity | 0.2 | 35 | 0.1 | 62.5 | 0 | 1.4 | 0.9 | 0 | 0 | 0 | 0 | 100 | 15636 | 577 |
| Sikhism | 0 | 29.5 | 0 | 70.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 194 | 5 |
| Others | 0 | 12.1 | 2.9 | 84.6 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 100 | 2617 | 104 |
| all | 0.3 | 22.5 | 1 | 72.4 | 0 | 2.8 | 1.1 | 0 | 0 | 0 | 0 | 100 | 83626 | 3348 |
| Estd (00) No. of households | 217 | 18827 | 797 | 60521 | 0 | 2337 | 892 | 0 | 0 | 34 | 0 | 83626 | X | X |
| Sample No. of Households | 9 | 709 | 24 | 2467 | 0 | 98 | 40 | 0 | 0 | 1 | 0 | 3348 | X | X |

| Table 28: Percentage distribution of households having dwelling unit with access to latrine by type of latrine used for each area type | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|--------------------|--------|----------|-------|---|--------|
| Kerala | | | | | | | | | | | | | | |
| Area Type | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | estd. (00) | Sample |
| | | | | | | | | | | | | | | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| notified slum | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 111 | 4 |
| non-notified slum | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 95 | 6 |
| squatter settlement | 39.1 | 0 | 0 | 60.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 252 | 12 |
| other areas | 0.1 | 30.2 | 0.9 | 65.6 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 40791 | 1679 |
| all | 0.4 | 29.9 | 0.9 | 65.8 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 41249 | 1701 |
| Estd (00) No. of households | 148 | 12329 | 362 | 27127 | 0 | 1014 | 235 | 0 | 0 | 34 | 0 | 41249 | X | X |
| Sample No. of Households | 7 | 475 | 10 | 1148 | 0 | 39 | 21 | 0 | 0 | 1 | 0 | 1701 | X | X |

| Table 29: Percentage distribution of households having dwelling unit with access to latrine by type of latrine used for different types of access to latrine | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|--------------------|--------|----------|-------|---|------|
| Kerala | | | | | | | | | | | | | Rural | |
| access to latrine | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | estd. (00) | Sample | | | | | | | | | | | | |
| all | all | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| exclusive use of the household | 0.2 | 15.4 | 0.9 | 79 | 0 | 3.2 | 1.3 | 0 | 0 | 0 | 0 | 100 | 41858 | 1628 |
| common use of the households in the building | 0 | 0 | 0 | 68 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 100 | 145 | 8 |
| public/community latrine without payment | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 46 | 1 |
| public/community latrine with payment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | 0 | 14.5 | 14.5 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 329 | 10 |
| all | 0.2 | 15.3 | 1 | 78.8 | 0 | 3.1 | 1.6 | 0 | 0 | 0 | 0 | 100 | 42378 | 1647 |
| Estd (00) No. of households | 69 | 6498 | 435 | 33395 | 0 | 1323 | 657 | 0 | 0 | 0 | 0 | 42378 | X | X |
| Sample No. of Households | 2 | 234 | 14 | 1319 | 0 | 59 | 19 | 0 | 0 | 0 | 0 | 1647 | X | X |

Table 29: Percentage distribution of households having dwelling unit with access to latrine by type of latrine used for different types of access to latrine

| Kerala | | | | | | | | | | | | | Urban | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|--------------------|--------|----------|-------|---|------|
| access to latrine | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | | |
| | estd. (00) | Sample | | | | | | | | | | | | |
| all | all | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| exclusive use of the household | 0.4 | 29.3 | 0.9 | 66.3 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 40720 | 1683 |
| common use of the households in the building | 0 | 88.7 | 0 | 11.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 466 | 15 |
| public/community latrine without payment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| public/community latrine with payment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 62 | 3 |
| all | 0.4 | 29.9 | 0.9 | 65.8 | 0 | 2.5 | 0.6 | 0 | 0 | 0.1 | 0 | 100 | 41249 | 1701 |
| Estd (00) No. of households | 148 | 12329 | 362 | 27127 | 0 | 1014 | 235 | 0 | 0 | 34 | 0 | 41249 | X | X |
| Sample No. of Househol | 7 | 475 | 10 | 1148 | 0 | 39 | 21 | 0 | 0 | 1 | 0 | 1701 | X | X |

| Table 29: Percentage distribution of households having dwelling unit with access to latrine by type of latrine used for different types of access to latrine | | | | | | | | | | | | | | |
|--|---|-------------|----------------|------------|-----------|---------------------------------|-----------------------|-----------------------------------|--------------------|--------|----------|---------------|---|--------|
| Kerala | | | | | | | | | | | | Rural + Urban | | |
| access to latrine | distribution of households having access to latrine | | | | | | | | | | | | number of households having access to latrine | |
| | Type of latrine used | | | | | | | | | | not used | all | | |
| | Flush / Pour-flush to | | | | | Ventilated improved pit latrine | pit latrine with slab | pit latrine without slab/open pit | Composting latrine | Others | | | | |
| | Piped sewer system | septic tank | twin leach pit | single pit | elsewhere | | | | | | | | estd. (00) | Sample |
| | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| exclusive use of the household | 0.3 | 22.2 | 0.9 | 72.7 | 0 | 2.8 | 1 | 0 | 0 | 0 | 0 | 100 | 82578 | 3311 |
| common use of the households in the building | 0 | 67.7 | 0 | 24.7 | 0 | 0 | 7.6 | 0 | 0 | 0 | 0 | 100 | 611 | 23 |
| public/community latrine without payment | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 46 | 1 |
| public/community latrine with payment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others | 0 | 12.2 | 12.2 | 75.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 391 | 13 |
| all | 0.3 | 22.5 | 1 | 72.4 | 0 | 2.8 | 1.1 | 0 | 0 | 0 | 0 | 100 | 83626 | 3348 |
| Estd (00) No. of households | 217 | 18827 | 797 | 60521 | 0 | 2337 | 892 | 0 | 0 | 34 | 0 | 83626 | X | X |
| Sample No. of Household | 9 | 709 | 24 | 2467 | 0 | 98 | 40 | 0 | 0 | 1 | 0 | 3348 | X | X |

Table 30: Percentage of households having bathroom and latrine within the household premises, percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by agency emptied the excreta last time for each quintile class on UMPCE

| Kerala | | | | Rural | | | | | | | | |
|---|-----------|---|--|---|----------------|-----------------------------------|--------------------------|--------|-----------|------------|------------|--------|
| quintile class on UMPCE | | percentage of hhds. Having bathroom and latrine within the household premises | percentage of households where excreta from septic tank /pit/composting latrine have ever been emptied | agency emptied the excreta last time | | | | | | no.of hhs. | | |
| | | | | panchayath/ municipality/ corporation | private agency | hired labour engaged by household | members of the household | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 94 | 3.5 | 9.7 | 10.4 | 79.9 | 0 | 0 | 0 | 100 | 243 | 11 |
| 20-40 | | 96.2 | 3.3 | 0 | 33.8 | 55.9 | 10.4 | 0 | 0 | 100 | 256 | 15 |
| 40-60 | | 97.2 | 4.9 | 0 | 0.6 | 87.1 | 7.2 | 5.2 | 0 | 100 | 398 | 15 |
| 60-80 | | 97.1 | 5.9 | 0 | 25.3 | 73.6 | 1.1 | 0 | 0 | 100 | 532 | 24 |
| 80-100 | | 98.7 | 14.5 | 0 | 21.8 | 73.8 | 2.4 | 2 | 0 | 100 | 1450 | 55 |
| all | | 96.8 | 6.9 | 0.8 | 19.6 | 74.5 | 3.3 | 1.7 | 0 | 100 | 2880 | 120 |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | 41117 | X | X | X | X | X | X | X | X | X | X |
| | Sample | 1602 | X | X | X | X | X | X | X | X | X | X |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | X | 2880 | 23 | 566 | 2146 | 95 | 49 | 0 | 2880 | X | X |
| | sample | X | 120 | 1 | 26 | 86 | 5 | 2 | 0 | 120 | X | X |

Table 30: Percentage of households having bathroom and latrine within the household premises, percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by agency emptied the excreta last time for each quintile class on UMPCE

| Kerala | | | Urban | | | | | | | | |
|---|---|--|---|-------------------|---|--------------------------------|--------|--------------|------|---------------|--------|
| quintile class on UMPCE | percentage of hhds. Having bathroom and latrine within the household premises | percentage of households where excreta from septic tank /pit/composting latrine have ever been emptied | agency emptied the excreta last time | | | | | | | no.of hhs. | |
| | | | panchayath/ municipality/ corporation | private agency | hired labour engaged by household | members of the household | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | 94.4 | 16.9 | 0 | 24.8 | 65.8 | 6.5 | 0 | 2.9 | 100 | 1065 | 43 |
| 20-40 | 95.8 | 12.7 | 0 | 35.2 | 62.5 | 2.3 | 0 | 0 | 100 | 971 | 39 |
| 40-60 | 95.6 | 16.6 | 0 | 35 | 62.2 | 1.8 | 1 | 0 | 100 | 1284 | 53 |
| 60-80 | 95.5 | 18.9 | 0 | 32.5 | 63.1 | 4.4 | 0 | 0 | 100 | 1663 | 71 |
| 80-100 | 98.3 | 20.3 | 1.8 | 37 | 58.8 | 1.2 | 0 | 1.2 | 100 | 2045 | 69 |
| all | 96.1 | 17.3 | 0.5 | 33.5 | 62 | 3 | 0.2 | 0.8 | 100 | 7028 | 275 |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | 39674 | X | X | X | X | X | X | X | X | X |
| | Sample | 1640 | X | X | X | X | X | X | X | X | X |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | X | 37 | 2354 | 4358 | 212 | 13 | 54 | 7028 | X | X |
| | sample | X | 2 | 93 | 169 | 8 | 1 | 2 | 275 | X | X |

Table 30: Percentage of households having bathroom and latrine within the household premises, percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by agency emptied the excreta last time for each quintile class on UMPCE

| Kerala | | | | Rural + Urban | | | | | | | | |
|---|-----------|---|--|---|----------------|-----------------------------------|--------------------------|--------|-----------|------------|------------|--------|
| quintile class on UMPCE | | percentage of hhds. Having bathroom and latrine within the household premises | percentage of households where excreta from septic tank /pit/composting latrine have ever been emptied | agency emptied the excreta last time | | | | | | no.of hhs. | | |
| | | | | panchayath/ municipality/ corporation | private agency | hired labour engaged by household | members of the household | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 94.2 | 9.9 | 1.8 | 22.1 | 68.5 | 5.3 | 0 | 2.3 | 100 | 1308 | 54 |
| 20-40 | | 96 | 7.9 | 0 | 34.9 | 61.1 | 4 | 0 | 0 | 100 | 1227 | 54 |
| 40-60 | | 96.4 | 10.6 | 0 | 26.9 | 68.1 | 3 | 2 | 0 | 100 | 1682 | 68 |
| 60-80 | | 96.3 | 12.4 | 0 | 30.8 | 65.6 | 3.6 | 0 | 0 | 100 | 2195 | 95 |
| 80-100 | | 98.5 | 17.4 | 1 | 30.7 | 65 | 1.7 | 0.8 | 0.7 | 100 | 3496 | 124 |
| all | | 96.4 | 12 | 0.6 | 29.5 | 65.6 | 3.1 | 0.6 | 0.5 | 100 | 9908 | 395 |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | 80791 | X | X | X | X | X | X | X | X | X | X |
| | Sample | 3242 | X | X | X | X | X | X | X | X | X | X |
| no.of house holds who have bathroom and latrine within hhd premises | estd.(00) | X | 9908 | 60 | 2920 | 6504 | 307 | 62 | 54 | 9908 | X | X |
| | sample | X | 395 | 3 | 119 | 255 | 13 | 3 | 2 | 395 | X | X |

| Table 31: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied, average amount paid by the household for emptying excreta last time and percentage distribution of households by place of disposal of excreta last time for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|---|--|---|--|--------------|-----------|------|-------------|--------|
| Kerala | | | | | | Rural | | | | | |
| quintile class on UMPCE | | percentage of households where excreta from septic tank/pit/ composting latrine have ever been emptied | average amount paid (payable) by the household for emptying excreta last time | place of disposal of excreta last time | | | | | | no. of hhs. | |
| | | | | treatment plant | buried in covered twin leach pit/single pit | uncovered pit/open land/pond /river etc. | other places | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 3.5 | 2679 | 0 | 55.3 | 0 | 33.7 | 11 | 100 | 243 | 11 |
| 20-40 | | 3.3 | 3001 | 0 | 45.2 | 17.3 | 3.3 | 34.2 | 100 | 256 | 15 |
| 40-60 | | 4.9 | 3082 | 0 | 29.9 | 29.6 | 31.9 | 8.6 | 100 | 398 | 15 |
| 60-80 | | 5.9 | 3055 | 0 | 43.2 | 16.6 | 30.6 | 9.6 | 100 | 532 | 24 |
| 80-100 | | 14.5 | 2926 | 0 | 56.1 | 1.1 | 27.9 | 14.9 | 100 | 1450 | 55 |
| all | | 6.9 | 2957 | 0 | 49.1 | 9.2 | 27.3 | 14.4 | 100 | 2880 | 120 |
| no.of house holds | estd.(00) | 2880 | X | 0 | 1413 | 266 | 785 | 415 | 2880 | X | X |
| | sample | 120 | X | 0 | 53 | 8 | 32 | 27 | 120 | X | X |

| Table 31: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied, average amount paid by the household for emptying excreta last time and percentage distribution of households by place of disposal of excreta last time for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|---|--|---|--|--------------|-----------|------|-------------|--------|
| Kerala | | | | | | Urban | | | | | |
| quintile class on UMPCE | | percentage of households where excreta from septic tank/pit/ composting latrine have ever been emptied | average amount paid (payable) by the household for emptying excreta last time | place of disposal of excreta last time | | | | | | no. of hhs. | |
| | | | | treatment plant | buried in covered twin leach pit/single pit | uncovered pit/open land/pond /river etc. | other places | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 16.9 | 4273 | 0 | 51.8 | 16.7 | 7.4 | 24 | 100 | 1065 | 43 |
| 20-40 | | 12.7 | 4297 | 0 | 47.8 | 7.4 | 12.2 | 32.7 | 100 | 971 | 39 |
| 40-60 | | 16.6 | 3334 | 2.3 | 33.9 | 11.8 | 21.7 | 30.3 | 100 | 1284 | 53 |
| 60-80 | | 18.9 | 3472 | 0 | 29.1 | 19.7 | 14.2 | 36.9 | 100 | 1663 | 71 |
| 80-100 | | 20.3 | 3457 | 0 | 30.1 | 17.4 | 8.7 | 43.8 | 100 | 2045 | 69 |
| all | | 17.3 | 3678 | 0.4 | 36.3 | 15.5 | 12.7 | 35.2 | 100 | 7028 | 275 |
| no.of house holds | estd.(00) | 7028 | X | 29 | 2552 | 1086 | 889 | 2472 | 7028 | X | X |
| | sample | 275 | X | 1 | 102 | 43 | 43 | 86 | 275 | X | X |

| Table 31: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied, average amount paid by the household for emptying excreta last time and percentage distribution of households by place of disposal of excreta last time for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|---|--|---|--|--------------|-----------|------|-------------|--------|
| Kerala | | | | | | Rural + Urban | | | | | |
| quintile class on UMPCE | | percentage of households where excreta from septic tank/pit/ composting latrine have ever been emptied | average amount paid (payable) by the household for emptying excreta last time | place of disposal of excreta last time | | | | | | no. of hhs. | |
| | | | | treatment plant | buried in covered twin leach pit/single pit | uncovered pit/open land/pond /river etc. | other places | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 9.9 | 3977 | 0 | 52.5 | 13.6 | 12.3 | 21.6 | 100 | 1308 | 54 |
| 20-40 | | 7.9 | 4027 | 0 | 47.2 | 9.5 | 10.3 | 33 | 100 | 1227 | 54 |
| 40-60 | | 10.6 | 3274 | 1.7 | 33 | 16 | 24.1 | 25.2 | 100 | 1682 | 68 |
| 60-80 | | 12.4 | 3371 | 0 | 32.5 | 19 | 18.2 | 30.3 | 100 | 2195 | 95 |
| 80-100 | | 17.4 | 3236 | 0 | 40.9 | 10.6 | 16.7 | 31.8 | 100 | 3496 | 124 |
| all | | 12 | 3468 | 0.3 | 40 | 13.7 | 16.9 | 29.1 | 100 | 9908 | 395 |
| no.of house holds | estd.(00) | 9908 | X | 29 | 3965 | 1353 | 1674 | 2887 | 9908 | X | X |
| | sample | 395 | X | 1 | 155 | 51 | 75 | 113 | 395 | X | X |

| Table 32: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by frequency of emptying excreta for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|-------------------------------|------------------------|------------------------|------------------------|--------|-----------|------|-------------|--------|
| Kerala | | | | | | Rural | | | | | |
| quintile class on UMPCE | | percentage of hhds where excreta from septic tank /pit/composting latrine have ever been emptied | frequency of emptying excreta | | | | | | | no. of hhs. | |
| | | | once or more in a year | once or more in a year | once or more in a year | once or more in a year | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 3.5 | 0 | 0 | 0 | 59.1 | 31.4 | 9.5 | 100 | 243 | 11 |
| 20-40 | | 3.3 | 0 | 16.9 | 21.1 | 39 | 0 | 23 | 100 | 256 | 15 |
| 40-60 | | 4.9 | 0 | 0 | 35.8 | 31.3 | 25.6 | 7.2 | 100 | 398 | 15 |
| 60-80 | | 5.9 | 0 | 1.1 | 42.4 | 36.6 | 19.9 | 0 | 100 | 532 | 24 |
| 80-100 | | 14.5 | 0 | 0.8 | 41.1 | 44.1 | 12 | 1.9 | 100 | 1450 | 55 |
| all | | 6.9 | 0 | 2.1 | 35.4 | 41.8 | 15.9 | 4.8 | 100 | 2880 | 120 |
| no.of house holds | estd.(00) | 2880 | 0 | 61 | 1019 | 1204 | 459 | 138 | 2880 | X | X |
| | sample | 120 | 0 | 4 | 48 | 44 | 17 | 7 | 120 | X | X |

| Table 32: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by frequency of emptying excreta for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|-------------------------------|------------------------|------------------------|------------------------|--------|-----------|-------------|------------|--------|
| Kerala | | | Urban | | | | | | | | |
| quintile class on UMPCE | | percentage of hhds where excreta from septic tank /pit/composting latrine have ever been emptied | frequency of emptying excreta | | | | | | no. of hhs. | | |
| | | | once or more in a year | once or more in a year | once or more in a year | once or more in a year | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 16.9 | 0 | 6.4 | 31 | 43 | 4.2 | 15.3 | 100 | 1065 | 43 |
| 20-40 | | 12.7 | 0 | 3.5 | 40.8 | 39.4 | 12.6 | 3.7 | 100 | 971 | 39 |
| 40-60 | | 16.6 | 1.2 | 5.7 | 56.1 | 26.2 | 3.8 | 7 | 100 | 1284 | 53 |
| 60-80 | | 18.9 | 1.4 | 3 | 30.4 | 52.4 | 4.1 | 8.7 | 100 | 1663 | 71 |
| 80-100 | | 20.3 | 1.2 | 2 | 30.7 | 44.5 | 9.5 | 12.1 | 100 | 2045 | 69 |
| all | | 17.3 | 0.9 | 3.8 | 36.7 | 42.1 | 6.8 | 9.7 | 100 | 7028 | 275 |
| no.of house holds | estd.(00) | 7028 | 63 | 268 | 2580 | 2960 | 478 | 680 | 7028 | X | X |
| | sample | 275 | 3 | 11 | 100 | 113 | 20 | 28 | 275 | X | X |

| Table 32: Percentage of households where excreta from septic tank/pit/composting latrine have ever been emptied and percentage distribution of households by frequency of emptying excreta for each quintile class on UMPCE | | | | | | | | | | | |
|---|-----------|--|-------------------------------|------------------------|------------------------|------------------------|--------|-----------|------|-------------|--------|
| Kerala | | | | | | Rural + Urban | | | | | |
| quintile class on UMPCE | | percentage of hhds where excreta from septic tank /pit/composting latrine have ever been emptied | frequency of emptying excreta | | | | | | | no. of hhs. | |
| | | | once or more in a year | once or more in a year | once or more in a year | once or more in a year | others | not known | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | | 9.9 | 0 | 5.2 | 25.2 | 46 | 9.3 | 14.2 | 100 | 1308 | 54 |
| 20-40 | | 7.9 | 0 | 6.3 | 36.7 | 39.3 | 9.9 | 7.7 | 100 | 1227 | 54 |
| 40-60 | | 10.6 | 0.9 | 4.4 | 51.3 | 27.4 | 8.9 | 7.1 | 100 | 1682 | 68 |
| 60-80 | | 12.4 | 1.1 | 2.6 | 33.3 | 48.6 | 7.9 | 6.6 | 100 | 2195 | 95 |
| 80-100 | | 17.4 | 0.7 | 1.5 | 35 | 44.4 | 10.6 | 7.8 | 100 | 3496 | 124 |
| all | | 12 | 0.6 | 3.3 | 36.3 | 42 | 9.5 | 8.3 | 100 | 9908 | 395 |
| no.of house holds | estd.(00) | 9908 | 63 | 329 | 3598 | 4163 | 937 | 818 | 9908 | X | X |
| | sample | 395 | 3 | 15 | 148 | 157 | 37 | 35 | 395 | X | X |

| Table 33: Percentage distribution of households by disposal of faeces of children of age below 3 years for each quintile class on UMPCE | | | | | | | | | | | | |
|---|-----------|---|--|-------------------------|--------------------------------|---------------------|-----------------------------|--------|--------|------|------------|--------|
| Kerala | | | | | | Rural | | | | | | |
| quintile class on UMPCE | | percentage of households having children of age below 3 years | disposal of faeces of children of age below 3 year no. of hhs. | | | | | | | | | |
| | | | children used latrine | put/rinsed into latrine | put/rinsed into drain or ditch | thrown into garbage | thrown or left in open area | buried | others | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 17.7 | 1.8 | 86.7 | 0 | 2.2 | 7.1 | 2.1 | 0 | 100 | 1283 | 47 |
| 20-40 | | 10.6 | 9.5 | 81 | 0 | 4.3 | 5.2 | 0 | 0 | 100 | 840 | 40 |
| 40-60 | | 13.5 | 5.4 | 66.9 | 2.8 | 5.7 | 10.7 | 8.4 | 0 | 100 | 1107 | 40 |
| 60-80 | | 6.6 | 10.1 | 64.1 | 0 | 9.5 | 8.8 | 7.4 | 0 | 100 | 597 | 26 |
| 80-100 | | 4.6 | 19 | 56.3 | 0 | 0 | 0.8 | 12.8 | 11.2 | 100 | 466 | 20 |
| all | | 10.1 | 7.3 | 74 | 0.7 | 4.3 | 7.2 | 5.2 | 1.3 | 100 | 4292 | 173 |
| no.of house holds | estd.(00) | 4292 | 312 | 3178 | 32 | 185 | 309 | 224 | 52 | 4292 | X | X |
| | sample | 173 | 15 | 126 | | 16 | 14 | 9 | 2 | 173 | X | X |

| Table 33: Percentage distribution of households by disposal of faeces of children of age below 3 years for each quintile class on UMPCE | | | | | | | | | | | | |
|---|-----------|---|--|-------------------------|--------------------------------|---------------------|-----------------------------|--------|--------|------|------------|--------|
| Kerala | | | | | | Urban | | | | | | |
| quintile class on UMPCE | | percentage of households having children of age below 3 years | disposal of faeces of children of age below 3 year no. of hhs. | | | | | | | | | |
| | | | children used latrine | put/rinsed into latrine | put/rinsed into drain or ditch | thrown into garbage | thrown or left in open area | buried | others | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| 0-20 | | 17.3 | 16.5 | 78 | 3 | 1.9 | 0.6 | 0 | 0 | 100 | 1121 | 57 |
| 20-40 | | 10.4 | 18.2 | 69.4 | 3.4 | 0.4 | 8.6 | 0 | 0 | 100 | 803 | 45 |
| 40-60 | | 11.1 | 21.8 | 61.7 | 0 | 2.2 | 9.5 | 4.7 | 0 | 100 | 864 | 42 |
| 60-80 | | 7.5 | 24.9 | 48 | 8.6 | 0 | 4.5 | 5.2 | 8.7 | 100 | 662 | 27 |
| 80-100 | | 5.8 | 0 | 79.3 | 0 | 0 | 7.4 | 3.5 | 9.9 | 100 | 601 | 24 |
| all | | 9.8 | 16.9 | 68.1 | 2.9 | 1.1 | 5.7 | 2.4 | 2.9 | 100 | 4051 | 195 |
| no.of house holds | estd.(00) | 4051 | 684 | 2760 | 117 | 44 | 232 | 96 | 117 | 4051 | X | x |
| | sample | 195 | 30 | 138 | 5 | 3 | 12 | 4 | 3 | 195 | X | x |

| Table 33: Percentage distribution of households by disposal of faeces of children of age below 3 years for each quintile class on UMPCE | | | | | | | | | | | |
|---|---|--|-------------------------|--------------------------------|---------------------|-----------------------------|--------|--------|-----|------------|--------|
| Kerala | | Rural + Urban | | | | | | | | | |
| quintile class on UMPCE | percentage of households having children of age below 3 years | disposal of faeces of children of age below 3 year no. of hhs. | | | | | | | | | |
| | | children used latrine | put/rinsed into latrine | put/rinsed into drain or ditch | thrown into garbage | thrown or left in open area | buried | others | all | estd. (00) | sample |
| | | | | | | | | | | all | all |
| 0-20 | 17.5 | 8.7 | 82.7 | 1.4 | 2.1 | 4.1 | 1.1 | 0 | 100 | 2403 | 104 |
| 20-40 | 10.5 | 13.7 | 75.3 | 1.7 | 2.4 | 6.9 | 0 | 0 | 100 | 1643 | 85 |
| 40-60 | 12.3 | 12.6 | 64.6 | 1.6 | 4.2 | 10.2 | 6.8 | 0 | 100 | 1971 | 82 |
| 60-80 | 7 | 17.9 | 55.7 | 4.5 | 4.5 | 6.5 | 6.3 | 4.6 | 100 | 1259 | 53 |
| 80-100 | 5.2 | 8.3 | 69.2 | 0 | 0 | 4.5 | 7.6 | 10.4 | 100 | 1067 | 44 |
| all | 10 | 11.9 | 71.2 | 1.8 | 2.7 | 6.5 | 3.8 | 2.1 | 100 | 8344 | 368 |
| no.of house holds | estd.(00) | 8344 | 996 | 5938 | 149 | 229 | 542 | 321 | 169 | 8344 | X |
| | sample | 368 | 45 | 264 | 6 | 9 | 26 | 13 | 5 | 368 | X |

| Table 34: Percentage distribution of households by availability of water in or around the latrine used for each quintile class on UMPCE | | | | | | | | |
|---|-----------|---|---|-------------------------|------------------------|-------|------------|--------|
| Kerala | | | Rural | | | | | |
| quintile class on UMPCE | | availability of water in or around the latrine used | | | | | | |
| | | water is available with soap/detergent | water is available with ash/mud/sand etc. | only water is available | water is not available | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 60 | 0 | 40 | 0 | 100 | 7204 | 268 |
| 20-40 | | 75.5 | 0.3 | 24.2 | 0 | 100 | 7874 | 325 |
| 40-60 | | 86 | 0 | 13.6 | 0.4 | 100 | 8183 | 326 |
| 60-80 | | 81.4 | 0.2 | 18.4 | 0 | 100 | 9060 | 334 |
| 80-100 | | 90.6 | 0 | 8.9 | 0.4 | 100 | 10057 | 394 |
| all | | 79.7 | 0.1 | 20 | 0.2 | 100 | 42378 | 1647 |
| no.of house holds | estd.(00) | 33794 | 45 | 8460 | 79 | 42378 | X | X |
| | sample | 1310 | 3 | 328 | 6 | 1647 | X | X |

| Table 34: Percentage distribution of households by availability of water in or around the latrine used for each quintile class on UMPCE | | | | | | | | |
|---|-----------|---|---|-------------------------|------------------------|-------|------------|--------|
| Kerala | | | | | Urban | | | |
| quintile class on UMPCE | | availability of water in or around the latrine used | | | | | | |
| | | water is available with soap/detergent | water is available with ash/mud/sand etc. | only water is available | water is not available | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 75.1 | 1 | 23.5 | 0.4 | 100 | 6439 | 281 |
| 20-40 | | 81.2 | 0.4 | 18.4 | 0 | 100 | 7746 | 365 |
| 40-60 | | 85.9 | 0.4 | 13.7 | 0 | 100 | 7797 | 357 |
| 60-80 | | 91.2 | 0 | 8.8 | 0 | 100 | 8833 | 347 |
| 80-100 | | 82.8 | 0 | 17.2 | 0 | 100 | 10434 | 351 |
| all | | 83.6 | 0.3 | 16 | 0.1 | 100 | 41249 | 1701 |
| no.of house holds | estd.(00) | 34514 | 126 | 6582 | 27 | 41249 | X | X |
| | sample | 1438 | 7 | 255 | 1 | 1701 | X | X |

| Table 34: Percentage distribution of households by availability of water in or around the latrine used for each quintile class on UMPCE | | | | | | | | |
|---|-----------|---|---|-------------------------|------------------------|-------|------------|--------|
| Kerala | | Rural + Urban | | | | | | |
| quintile class on UMPCE | | availability of water in or around the latrine used | | | | | | |
| | | water is available with soap/detergent | water is available with ash/mud/sand etc. | only water is available | water is not available | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 67.1 | 0.5 | 32.2 | 0.2 | 100 | 13643 | 549 |
| 20-40 | | 78.3 | 0.4 | 21.3 | 0 | 100 | 15620 | 690 |
| 40-60 | | 86 | 0.2 | 13.7 | 0.2 | 100 | 15979 | 683 |
| 60-80 | | 86.2 | 0.1 | 13.6 | 0 | 100 | 17892 | 681 |
| 80-100 | | 86.7 | 0 | 13.1 | 0.2 | 100 | 20491 | 745 |
| all | | 81.7 | 0.2 | 18 | 0.1 | 100 | 83626 | 3348 |
| no.of house holds | estd.(00) | 68308 | 171 | 15042 | 105 | 83626 | X | X |
| | sample | 2748 | 10 | 583 | 7 | 3348 | X | X |

| Table 35: Percentage distribution of households by practice of hand washing before meal for each quintile class on UMPCE | | | | | | | | |
|--|-----------|--------------------------------------|------------------------------|-----------------|-------|-------|-------------------|--------|
| Kerala | | | | | Rural | | | |
| quintile class on UMPCE | | practice of hand washing before meal | | | | | no. of households | |
| | | with water and soap/detergent | with water ash/mud/sand etc. | with water only | no | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 32.7 | 0 | 67.3 | 0 | 100 | 7240 | 271 |
| 20-40 | | 41.2 | 0 | 58.8 | 0 | 100 | 7907 | 326 |
| 40-60 | | 52.1 | 0.6 | 47.4 | 0 | 100 | 8183 | 326 |
| 60-80 | | 54.2 | 0 | 45.8 | 0 | 100 | 9095 | 335 |
| 80-100 | | 58.3 | 0 | 41.7 | 0 | 100 | 10057 | 394 |
| all | | 48.7 | 0.1 | 51.2 | 0 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 20677 | 48 | 21757 | 0 | 42481 | X | X |
| | sample | 776 | 1 | 875 | 0 | 1652 | X | X |

| Table 35: Percentage distribution of households by practice of hand washing before meal for each quintile class on UMPCE | | | | | | | | |
|--|-----------|--------------------------------------|------------------------------|-----------------|-------|-------|-------------------|--------|
| Kerala | | | | | Urban | | | |
| quintile class on UMPCE | | practice of hand washing before meal | | | | | no. of households | |
| | | with water and soap/detergent | with water ash/mud/sand etc. | with water only | no | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 43.4 | 0.4 | 56.3 | 0 | 100 | 6465 | 282 |
| 20-40 | | 50.2 | 0 | 49.8 | 0 | 100 | 7746 | 365 |
| 40-60 | | 57.5 | 0.2 | 42.3 | 0 | 100 | 7797 | 357 |
| 60-80 | | 60.6 | 0.2 | 39.2 | 0 | 100 | 8843 | 348 |
| 80-100 | | 64 | 0.2 | 35.8 | 0 | 100 | 10434 | 351 |
| all | | 56.2 | 0.2 | 43.6 | 0 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 23210 | 81 | 17994 | 0 | 41285 | X | X |
| | sample | 930 | 4 | 769 | 0 | 1703 | X | X |

| Table 35: Percentage distribution of households by practice of hand washing before meal for each quintile class on UMPCE | | | | | | | | |
|--|-----------|--------------------------------------|------------------------------|-----------------|----|-------|-------------------|--------|
| Kerala | | | Rural + Urban | | | | | |
| quintile class on UMPCE | | practice of hand washing before meal | | | | | no. of households | |
| | | with water and soap/detergent | with water ash/mud/sand etc. | with water only | no | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 37.7 | 0.2 | 62.1 | 0 | 100 | 13705 | 553 |
| 20-40 | | 45.7 | 0 | 54.3 | 0 | 100 | 15653 | 691 |
| 40-60 | | 54.7 | 0.4 | 44.9 | 0 | 100 | 15979 | 683 |
| 60-80 | | 57.3 | 0.1 | 42.6 | 0 | 100 | 17938 | 683 |
| 80-100 | | 61.2 | 0.1 | 38.7 | 0 | 100 | 20491 | 745 |
| all | | 52.4 | 0.2 | 47.5 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 43886 | 129 | 39751 | 0 | 83766 | X | X |
| | sample | 1706 | 5 | 1644 | 0 | 3355 | X | X |

Table 36: Percentage distribution of households by practice of hand washing after defecation for each quintile class on UMPCE

| Kerala | | Rural | | | | | |
|-------------------------|-----------|---|--------------------------------|-----------------|----|-------------------|------------|
| quintile class on UMPCE | | practice of hand washing after defecation | | | | no. of households | |
| | | with water and soap/ detergent | with water ash/ mud/ sand etc. | with water only | no | all | estd. (00) |
| | | | | | | | sample |
| | | | | | | | all |
| 0-20 | | 65.4 | 0 | 34.6 | 0 | 100 | 7240 |
| 20-40 | | 76.3 | 0.5 | 23.2 | 0 | 100 | 7907 |
| 40-60 | | 85.9 | 0 | 14.1 | 0 | 100 | 8183 |
| 60-80 | | 89.4 | 0 | 10.6 | 0 | 100 | 9095 |
| 80-100 | | 89.6 | 0 | 10.4 | 0 | 100 | 10057 |
| all | | 82.3 | 0.1 | 17.6 | 0 | 100 | 42481 |
| no.of house holds | estd.(00) | 34947 | 37 | 7498 | 0 | 42481 | X |
| | sample | 1340 | 1 | 311 | 0 | 1652 | X |

| Table 36: Percentage distribution of households by practice of hand washing after defecation for each quintile class on UMPCE | | | | | | | | |
|---|-----------|---|--------------------------------|-----------------|----|-------|-------------------|--------|
| Kerala | | | Urban | | | | | |
| quintile class on UMPCE | | practice of hand washing after defecation | | | | | no. of households | |
| | | with water and soap/ detergent | with water ash/ mud/ sand etc. | with water only | no | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 79.6 | 0 | 20.4 | 0 | 100 | 6465 | 282 |
| 20-40 | | 80 | 0 | 20 | 0 | 100 | 7746 | 365 |
| 40-60 | | 89.4 | 0.3 | 10.3 | 0 | 100 | 7797 | 357 |
| 60-80 | | 96 | 0 | 4 | 0 | 100 | 8843 | 348 |
| 80-100 | | 98.3 | 0 | 1.7 | 0 | 100 | 10434 | 351 |
| all | | 89.8 | 0.1 | 10.2 | 0 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 37062 | 24 | 4200 | 0 | 41285 | X | X |
| | sample | 1525 | 1 | 177 | 0 | 1703 | X | X |

| Table 36: Percentage distribution of households by practice of hand washing after defecation for each quintile class on UMPCE | | | | | | | | |
|---|-----------|---|--------------------------------|-----------------|----|-------|-------------------|--------|
| Kerala | | | Rural + Urban | | | | | |
| quintile class on UMPCE | | practice of hand washing after defecation | | | | | no. of households | |
| | | with water and soap/ detergent | with water ash/ mud/ sand etc. | with water only | no | all | estd. (00) | sample |
| | | | | | | | all | all |
| 0-20 | | 72.1 | 0 | 27.9 | 0 | 100 | 13705 | 553 |
| 20-40 | | 78.2 | 0.2 | 21.6 | 0 | 100 | 15653 | 691 |
| 40-60 | | 87.6 | 0.1 | 12.2 | 0 | 100 | 15979 | 683 |
| 60-80 | | 92.6 | 0 | 7.4 | 0 | 100 | 17938 | 683 |
| 80-100 | | 94.1 | 0 | 5.9 | 0 | 100 | 20491 | 745 |
| all | | 86 | 0.1 | 14 | 0 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 72009 | 61 | 11697 | 0 | 83766 | X | X |
| | sample | 2865 | 2 | 488 | 0 | 3355 | X | X |

| Table 37: Percentage distribution of households living in houses by type of structure of house, average floor area of the dwelling unit for households living in houses in each (i) quintile class on UMPCE and (ii) social group | | | | | | | | | | |
|---|-----------|-------------------|------|-----|---|-----|---|---------------------------------------|------------|--------------------|
| Kerala | | Rural | | | | | | | | |
| quintile class on UMPCE /household social group | | type of structure | | | | | average floor areaof the dwelling unit for households living in houses (0.00 sq. mtr) | number of households living in houses | | |
| | | | | | | | | pucca | semi-pucca | serviceable katcha |
| | | all | all | | | | | | | |
| 0-20 | | 81.9 | 17.2 | 0.8 | 0 | 0.8 | 100 | 65.06 | 7240 | 271 |
| 20-40 | | 88.2 | 11.8 | 0 | 0 | 0 | 100 | 76.56 | 7907 | 326 |
| 40-60 | | 91.6 | 8 | 0.3 | 0 | 0.3 | 100 | 80.26 | 8183 | 326 |
| 60-80 | | 89.3 | 10.7 | 0 | 0 | 0 | 100 | 91.02 | 9095 | 335 |
| 80-100 | | 92.9 | 6.2 | 1 | 0 | 1 | 100 | 105.01 | 10057 | 394 |
| all | | 89.1 | 10.4 | 0.4 | 0 | 0.4 | 100 | 85.15 | 42481 | 1652 |
| ST | | 95.6 | 4.4 | 0 | 0 | 0 | 100 | 66.3 | 751 | 26 |
| SC | | 85.5 | 12.2 | 2.3 | 0 | 2.3 | 100 | 57.49 | 4532 | 189 |
| OBC | | 89.1 | 10.6 | 0.3 | 0 | 0.3 | 100 | 81.59 | 24800 | 986 |
| Others | | 90.2 | 9.8 | 0 | 0 | 0 | 100 | 103.51 | 12398 | 451 |
| all | | 89.1 | 10.4 | 0.4 | 0 | 0.1 | 100 | 85.15 | 42481 | 1652 |
| no.of house holds living in houses | estd.(00) | 37865 | 4434 | 182 | 0 | 182 | 42481 | | X | X |
| | sample | 1484 | 162 | 6 | 0 | 6 | 1652 | | X | X |

Table 37: Percentage distribution of households living in houses by type of structure of house, average floor area of the dwelling unit for households living in houses in each (i) quintile class on UMPCE and (ii) social group

| Kerala | | Urban | | | | | | | | |
|--|-----------|-------------------|------------|-----------------------|-------------------------|-----|-------|---|--|--------|
| quintile class on UMPCE /household social group | | type of structure | | | | | | average floor areaof the dwelling unit for households living in houses (0.00 sq. mtr) | number of households living in houses | |
| | | | | | | | | | estd. (00) | sample |
| | | pucca | semi-pucca | serviceable katcha | unserviceable katcha | all | all | | | |
| 0-20 | | 95.4 | 3.9 | 0.7 | 0 | 0.7 | 100 | 80.08 | 2984 | 123 |
| 20-40 | | 94.7 | 5.3 | 0 | 0 | 0 | 100 | 80.75 | 3008 | 138 |
| 40-60 | | 93.6 | 6.4 | 0 | 0 | 0 | 100 | 108.84 | 2790 | 127 |
| 60-80 | | 91.7 | 8.3 | 0 | 0 | 0 | 100 | 119.19 | 2236 | 79 |
| 80-100 | | 88.9 | 10.9 | 0.3 | 0 | 0.3 | 100 | 93.31 | 30266 | 1236 |
| all | | 90.2 | 9.5 | 0.2 | 0 | 0.2 | 100 | 93.89 | 41285 | 1703 |
| ST | | 90 | 10 | 0 | 0 | 0 | 100 | 71.36 | 175 | 8 |
| SC | | 83.8 | 15.5 | 0.7 | 0 | 0.7 | 100 | 64.67 | 3067 | 126 |
| OBC | | 95 | 4.9 | 0.1 | 0 | 0.1 | 100 | 90.98 | 25645 | 1088 |
| Others | | 81.9 | 17.7 | 0.4 | 0 | 0.4 | 100 | 107.46 | 12398 | 481 |
| all | | 90.2 | 9.5 | 0.2 | 0 | 0.1 | 100 | 93.89 | 41285 | 1703 |
| no.of house holds living in houses | estd.(00) | 37257 | 3926 | 102 | 0 | 102 | 41285 | | X | X |
| | sample | 1551 | 147 | 5 | 0 | 5 | 1703 | | X | X |

Table 37: Percentage distribution of households living in houses by type of structure of house, average floor area of the dwelling unit for households living in houses in each (i) quintile class on UMPCE and (ii) social group

| Kerala | | Rural + Urban | | | | | | | | |
|--|-----------|-------------------|------------|-----------------------|-------------------------|-----|---|--|------------|--------|
| quintile class on UMPCE /household social group | | type of structure | | | | | average floor areaof the dwelling unit for households living in houses (0.00 sq. mtr) | number of households living in houses | | |
| | | pucca | semi-pucca | serviceable katcha | unserviceable katcha | all | | all | estd. (00) | sample |
| | | | | | | | | | all | all |
| 0-20 | | 85.9 | 13.4 | 0.8 | 0 | 0.8 | 100 | 69.44 | 10224 | 394 |
| 20-40 | | 90 | 10 | 0 | 0 | 0 | 100 | 77.72 | 10915 | 464 |
| 40-60 | | 92.1 | 7.6 | 0.2 | 0 | 0.2 | 100 | 87.53 | 10973 | 453 |
| 60-80 | | 89.8 | 10.2 | 0 | 0 | 0 | 100 | 96.58 | 11331 | 414 |
| 80-100 | | 89.9 | 9.7 | 0.4 | 0 | 0.4 | 100 | 96.23 | 40323 | 1630 |
| all | | 89.7 | 10 | 0.3 | 0 | 0.3 | 100 | 89.46 | 83766 | 3355 |
| ST | | 94.5 | 5.5 | 0 | 0 | 0 | 100 | 67.26 | 927 | 34 |
| SC | | 84.8 | 13.5 | 1.7 | 0 | 1.7 | 100 | 60.39 | 7599 | 315 |
| OBC | | 92.1 | 7.7 | 0.2 | 0 | 0.2 | 100 | 86.36 | 50445 | 2074 |
| Others | | 86 | 13.7 | 0.2 | 0 | 0.2 | 100 | 105.49 | 24796 | 932 |
| all | | 89.6 | 10 | 0.3 | 0 | 0.1 | 100 | 89.46 | 83766 | 3355 |
| no.of house holds living in houses | estd.(00) | 75122 | 8361 | 284 | 0 | 284 | 83766 | | X | X |
| | sample | 3035 | 309 | 11 | 0 | 11 | 3355 | | X | X |

| Table 38: Average plinth level of the house for the households living in houses and percentage distribution of those households by plinth level of the house and experience of flood during last 5 years for each type of structure of the house | | | | | | | | | | | | | | | |
|--|---|--|-----------|-----------|-----------|--------------|------|-------|-------------------------------------|---------------|-------|------|-------|---------------------------------------|--------|
| Kerala | | | | | | | | | Rural | | | | | | |
| structure type | average plinth level of the house(0.00 metre) | distribution by plinth level of the house (in metre) | | | | | | | distribution by experience of flood | | | | | number of households living in houses | |
| | | no plinth | 0.00-0.30 | 0.30-0.61 | 0.61-1.00 | 1.00 or more | n.r. | all | excessive rain during monsoon | river,sea,etc | no | n.r. | all | estd.(00) | sample |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| pucca | 0.5 | 2.1 | 33.1 | 63.3 | 1.4 | 0.2 | 0 | 100 | 14.1 | 3 | 82.9 | 0 | 100 | 37865 | 1484 |
| semi-pucca | 0.47 | 11.2 | 35.4 | 43.2 | 8.8 | 1.3 | 0 | 100 | 12.6 | 11 | 76.4 | 0 | 100 | 4434 | 162 |
| serviceable katcha | 0.24 | 32.9 | 53.9 | 13.2 | 0 | 0 | 0 | 100 | 13.8 | 0 | 86.2 | 0 | 100 | 182 | 6 |
| unserviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | 0.24 | 32.9 | 53.9 | 13.2 | 0 | 0 | 0 | 100 | 13.8 | 0 | 86.2 | 0 | 100 | 182 | 6 |
| all | 0.5 | 3.2 | 33.4 | 61 | 2.1 | 0.4 | 0 | 100 | 14 | 3.8 | 82.2 | 0 | 100 | 42481 | 1652 |
| no.of house holds living in houses | estd.(00) | 1348 | 14185 | 25894 | 905 | 149 | 0 | 42481 | 5929 | 1612 | 34940 | 0 | 42481 | X | X |
| | sample | 65 | 572 | 973 | 35 | 7 | 0 | 1652 | 264 | 56 | 1332 | 0 | 1652 | X | X |

| Table 38: Average plinth level of the house for the households living in houses and percentage distribution of those households by plinth level of the house and experience of flood during last 5 years for each type of structure of the house | | | | | | | | | | | | | | | | |
|--|-----------|---|--|-----------|-----------|-----------|--------------|------|-------------------------------------|-------------------------------|---------------|-------|------|---------------------------------------|-----------|--------|
| Kerala | | | | | | | | | Urban | | | | | | | |
| structure type | | average plinth level of the house(0.00 metre) | distribution by plinth level of the house (in metre) | | | | | | distribution by experience of flood | | | | | number of households living in houses | | |
| | | | no plinth | 0.00-0.30 | 0.30-0.61 | 0.61-1.00 | 1.00 or more | n.r. | all | excessive rain during monsoon | river,sea,etc | no | n.r. | all | estd.(00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| pucca | | 0.47 | 5.6 | 36.8 | 56.6 | 0.7 | 0.1 | 0.1 | 100 | 17.9 | 5.1 | 77 | 0 | 100 | 37257 | 1551 |
| semi-pucca | | 0.44 | 2.2 | 52.1 | 45.7 | 0 | 0 | 0 | 100 | 20.5 | 10.5 | 69 | 0 | 100 | 3926 | 147 |
| serviceable katcha | | 0.03 | 89.7 | 10.3 | 0 | 0 | 0 | 0 | 100 | 10.3 | 16.1 | 73.6 | 0 | 100 | 102 | 5 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 0.03 | 89.7 | 10.3 | 0 | 0 | 0 | 0 | 100 | 10.3 | 16.1 | 73.6 | 0 | 100 | 102 | 5 |
| all | | 0.46 | 5.5 | 38.2 | 55.4 | 0.7 | 0.1 | 0.1 | 100 | 18.1 | 5.6 | 76.2 | 0 | 100 | 41285 | 1703 |
| no.of house holds living in houses | estd.(00) | | 2285 | 15762 | 22887 | 272 | 50 | 29 | 41285 | 7491 | 2315 | 31480 | 0 | 41285 | X | X |
| | sample | | 88 | 632 | 962 | 16 | 4 | 1 | 1703 | 349 | 65 | 1289 | 0 | 1703 | X | X |

| Table 38: Average plinth level of the house for the households living in houses and percentage distribution of those households by plinth level of the house and experience of flood during last 5 years for each type of structure of the house | | | | | | | | | | | | | | | | |
|--|-----------|---|--|-----------|-----------|-----------|--------------|------|-------------------------------------|-------------------------------|---------------|-------|------|---------------------------------------|-----------|--------|
| Kerala | | | | | | | | | Rural + Urban | | | | | | | |
| structure type | | average plinth level of the house(0.00 metre) | distribution by plinth level of the house (in metre) | | | | | | distribution by experience of flood | | | | | number of households living in houses | | |
| | | | no plinth | 0.00-0.30 | 0.30-0.61 | 0.61-1.00 | 1.00 or more | n.r. | all | excessive rain during monsoon | river,sea,etc | no | n.r. | all | estd.(00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| pucca | | 0.48 | 3.9 | 34.9 | 60 | 1 | 0.2 | 0 | 100 | 16 | 4 | 80 | 0 | 100 | 75122 | 3035 |
| semi-pucca | | 0.45 | 7 | 43.2 | 44.4 | 4.7 | 0.7 | 0 | 100 | 16.3 | 10.8 | 72.9 | 0 | 100 | 8361 | 309 |
| serviceable katcha | | 0.17 | 53.3 | 38.2 | 8.4 | 0 | 0 | 0 | 100 | 12.6 | 5.8 | 81.6 | 0 | 100 | 284 | 11 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 0.17 | 53.3 | 38.2 | 8.4 | 0 | 0 | 0 | 100 | 12.6 | 5.8 | 81.6 | 0 | 100 | 284 | 11 |
| all | | 0.48 | 4.3 | 35.8 | 58.2 | 1.4 | 0.2 | 0 | 100 | 16 | 4.7 | 79.3 | 0 | 100 | 83766 | 3355 |
| no.of house holds living in houses | estd.(00) | | 3633 | 29947 | 48781 | 1177 | 199 | 29 | 83766 | 13420 | 3927 | 66420 | 0 | 83766 | X | X |
| | sample | | 153 | 1204 | 1935 | 51 | 11 | 1 | 3355 | 613 | 121 | 2621 | 0 | 3355 | X | X |

| Table 39: Percentage distribution of households living in houses by use of house and condition of structure for each type of structure | | | | | | | | | | | | | | | | | | | |
|--|-----------|------------------|--------------|------|-----------------|-----------------------------|--------------|-----|-----------------|-------------------------|--------------|-----|-----------------|--------------|--------------|------|-----------------|-----------------------------------|--------|
| Kerala | | | | | | | | | | Rural | | | | | | | | | |
| type of structure | | use of house | | | | | | | | | | | | | | | | | |
| | | residential only | | | | residential -cum-commercial | | | | residential -cum-others | | | | all(incl.nr) | | | | no.of households living in houses | |
| | | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | estd.(00) | sample |
| pucca | | 66.6 | 28.6 | 3.2 | 98.4 | 0.4 | 0.5 | 0 | 0.9 | 0.4 | 0.3 | 0 | 0.7 | 67.4 | 29.4 | 3.2 | 100 | 37865 | 1484 |
| semi-pucca | | 39.3 | 39.3 | 19 | 97.6 | 0.8 | 1.6 | 0 | 2.4 | 0 | 0 | 0 | 0 | 40.1 | 41 | 19 | 100 | 4434 | 162 |
| serviceable katcha | | 13.2 | 13.8 | 73 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.2 | 13.8 | 73 | 100 | 182 | 6 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 13.2 | 13.8 | 73 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.2 | 13.8 | 73 | 100 | 182 | 6 |
| all* | | 63.5 | 29.7 | 5.2 | 98.3 | 0.4 | 0.6 | 0 | 1 | 0.4 | 0.3 | 0 | 0.7 | 64.3 | 30.5 | 5.2 | 100 | 42481 | 1652 |
| no.of house holds living in houses | estd.(00) | 26980 | 12597 | 2197 | 41773 | 182 | 260 | 0 | 442 | 151 | 115 | 0 | 266 | 27313 | 12972 | 2197 | 42481 | X | X |
| | sample | 1044 | 501 | 88 | 1633 | 6 | 8 | 0 | 14 | 3 | 2 | 0 | 5 | 1053 | 511 | 88 | 1652 | X | X |

| Table 39: Percentage distribution of households living in houses by use of house and condition of structure for each type of structure | | | | | | | | | | | | | | | | | | | |
|--|-----------|------------------|--------------|------|-----------------|-----------------------------|--------------|-----|-----------------|-------------------------|--------------|-----|-----------------|--------------|--------------|------|-----------------|-----------------------------------|--------|
| Kerala | | | | | | | | | | Urban | | | | | | | | | |
| type of structure | | use of house | | | | | | | | | | | | | | | | | |
| | | residential only | | | | residential -cum-commercial | | | | residential -cum-others | | | | all(incl.nr) | | | | no.of households living in houses | |
| | | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | estd.(00) | sample |
| pucca | | 73.7 | 21.2 | 3.5 | 98.4 | 1 | 0.3 | 0 | 1.3 | 0.2 | 0.1 | 0 | 0.3 | 74.9 | 21.6 | 3.5 | 100 | 37257 | 1551 |
| semi-pucca | | 63.9 | 24.8 | 11 | 99.6 | 0.4 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | 64.2 | 24.8 | 11 | 100 | 3926 | 147 |
| serviceable katcha | | 10.3 | 0 | 89.7 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 0 | 89.7 | 100 | 102 | 5 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 10.3 | 0 | 89.7 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.3 | 0 | 89.7 | 100 | 102 | 5 |
| all* | | 72.6 | 21.5 | 4.4 | 98.6 | 0.9 | 0.3 | 0 | 1.2 | 0.2 | 0.1 | 0 | 0.2 | 73.7 | 21.8 | 4.5 | 100 | 41285 | 1703 |
| no.of house holds living in houses | estd.(00) | 29983 | 8878 | 1825 | 40687 | 381 | 117 | 0 | 498 | 79 | 21 | 0 | 100 | 30444 | 9017 | 1825 | 41285 | X | X |
| | sample | 1224 | 379 | 75 | 1678 | 16 | 4 | 0 | 20 | 4 | 1 | 0 | 5 | 1244 | 384 | 75 | 1703 | X | X |

| Table 39: Percentage distribution of households living in houses by use of house and condition of structure for each type of structure | | | | | | | | | | | | | | | | | | | |
|--|-----------|------------------|--------------|------|-----------------|-----------------------------|--------------|-----|-----------------|-------------------------|--------------|-----|-----------------|--------------|--------------|------|-----------------|-----------------------------------|--------|
| Kerala | | | | | | | | | | Rural + Urban | | | | | | | | | |
| type of structure | | use of house | | | | | | | | | | | | | | | | | |
| | | residential only | | | | residential -cum-commercial | | | | residential -cum-others | | | | all(incl.nr) | | | | no.of households living in houses | |
| | | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | good | satisfactory | bad | all (incl.n.r.) | estd.(00) | sample |
| pucca | | 70.1 | 24.9 | 3.4 | 98.4 | 0.7 | 0.4 | 0 | 1.1 | 0.3 | 0.2 | 0 | 0.5 | 71.1 | 25.5 | 3.4 | 100 | 75122 | 3035 |
| semi-pucca | | 50.8 | 32.5 | 15.2 | 98.5 | 0.6 | 0.9 | 0 | 1.5 | 0 | 0 | 0 | 0 | 51.4 | 33.4 | 15.2 | 100 | 8361 | 309 |
| serviceable katcha | | 12.2 | 8.8 | 79 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.2 | 8.8 | 79 | 100 | 284 | 11 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 12.2 | 8.8 | 79 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12.2 | 8.8 | 79 | 100 | 284 | 11 |
| all* | | 68 | 25.6 | 4.8 | 98.4 | 0.7 | 0.4 | 0 | 1.1 | 0.3 | 0.2 | 0 | 0.4 | 68.9 | 26.2 | 4.8 | 100 | 83766 | 3355 |
| no.of house holds living in houses | estd.(00) | 56963 | 21476 | 4022 | 82460 | 563 | 377 | 0 | 940 | 230 | 136 | 0 | 366 | 57757 | 21988 | 4022 | 83766 | X | X |
| | sample | 2268 | 880 | 163 | 3311 | 22 | 12 | 0 | 34 | 7 | 3 | 0 | 10 | 2297 | 895 | 163 | 3355 | X | X |

| Table 40: Percentage of households having separate kitchen and percentage distribution of households by number of floors of the house for each type of structure | | | | | | | | | | | |
|--|-----------|--|--------------------|-------|--|-------|-----|------|--------------|----------------------|------------|
| Kerala | | | | | | Rural | | | | | |
| type of structure | | percentage of households having separate kitchen | | | percentage distribution of households by number of floors of the house | | | | | number of households | |
| | | with water tap | with out water tap | all | 1 | 2 | 3-5 | 5-10 | 10 and above | all | estd. (00) |
| | | | | | | | | | | | sample |
| pucca | | 73.5 | 22.2 | 95.8 | 80 | 19.9 | 0.1 | 0 | 0 | 100 | 37865 |
| semi-pucca | | 43 | 40.4 | 83.4 | 90.5 | 9.5 | 0 | 0 | 0 | 100 | 4434 |
| serviceable katcha | | 13.8 | 71.7 | 85.5 | 100 | 0 | 0 | 0 | 0 | 100 | 182 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 13.8 | 71.7 | 85.5 | 100 | 0 | 0 | 0 | 0 | 100 | 182 |
| all | | 70.1 | 24.3 | 94.4 | 81.2 | 18.7 | 0.1 | 0 | 0 | 100 | 42481 |
| no.of house holds living in houses | estd.(00) | 29773 | 10338 | 40111 | 34475 | 7967 | 39 | 0 | 0 | 42481 | X |
| | sample | 1148 | 396 | 1544 | 1351 | 300 | 1 | 0 | 0 | 1652 | X |

| Table 40: Percentage of households having separate kitchen and percentage distribution of households by number of floors of the house for each type of structure | | | | | | | | | | | | |
|--|-----------|--|--------------------|-------|---|-------|------|------|--------------|-------|----------------------|--------|
| Kerala | | | | | Urban | | | | | | | |
| type of structure | | percentage of households having separate kitchen | | | percentage distribution of households by umber of floors of the house | | | | | | number of households | |
| | | with water tap | with out water tap | all | 1 | 2 | 3-5 | 5-10 | 10 and above | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| pucca | | 82.7 | 14.8 | 97.5 | 65.7 | 31.2 | 3 | 0 | 0.1 | 100 | 37257 | 1551 |
| semi-pucca | | 68.1 | 31.9 | 100 | 81.9 | 18.1 | 0 | 0 | 0 | 100 | 3926 | 147 |
| serviceable katcha | | 10.3 | 42.9 | 53.2 | 100 | 0 | 0 | 0 | 0 | 100 | 102 | 5 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 10.3 | 42.9 | 53.2 | 100 | 0 | 0 | 0 | 0 | 100 | 102 | 5 |
| all | | 81.1 | 16.5 | 97.6 | 67.3 | 29.9 | 2.7 | 0 | 0.1 | 100 | 41285 | 1703 |
| no.of house holds living in houses | estd.(00) | 33496 | 6797 | 40293 | 27795 | 12352 | 1115 | 0 | 24 | 41285 | X | X |
| | sample | 1395 | 278 | 1673 | 1173 | 498 | 31 | 0 | 1 | 1703 | X | X |

| Table 40: Percentage of households having separate kitchen and percentage distribution of households by number of floors of the house for each type of structure | | | | | | | | | | | | |
|--|-----------|--|--------------------|-------|---|-------|------|------|--------------|-------|----------------------|--------|
| Kerala | | | | | | | | | | | Rural + Urban | |
| type of structure | | percentage of households having separate kitchen | | | percentage distribution of households by umber of floors of the house | | | | | | number of households | |
| | | with water tap | with out water tap | all | 1 | 2 | 3-5 | 5-10 | 10 and above | all | estd. (00) | sample |
| | | | | | | | | | | | all | all |
| pucca | | 78.1 | 18.5 | 96.6 | 72.9 | 25.5 | 1.5 | 0 | 0 | 100 | 75122 | 3035 |
| semi-pucca | | 54.8 | 36.4 | 91.2 | 86.4 | 13.6 | 0 | 0 | 0 | 100 | 8361 | 309 |
| serviceable katcha | | 12.6 | 61.3 | 73.9 | 100 | 0 | 0 | 0 | 0 | 100 | 284 | 11 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 12.6 | 61.3 | 73.9 | 100 | 0 | 0 | 0 | 0 | 100 | 284 | 11 |
| all | | 75.5 | 20.5 | 96 | 74.3 | 24.3 | 1.4 | 0 | 0 | 100 | 83766 | 3355 |
| no.of house holds living in houses | estd.(00) | 63269 | 17135 | 80404 | 62269 | 20319 | 1154 | 0 | 24 | 83766 | X | X |
| | sample | 2543 | 674 | 3217 | 2524 | 798 | 32 | 0 | 1 | 3355 | X | X |

| Table 41: Percentage distribution of households with own dwelling unit by period since built for each type of structure | | | | | | | | | |
|---|-------------------|------------|-----------------------|-------------------------|------------|------|--|--------|----|
| Kerala | | | | | | | Rural | | |
| period since built (years) | type of structure | | | | | | number of households with own dwelling unit | | |
| | pucca | semi-pucca | serviceable katcha | unserviceable katcha | all katcha | all | estd. (00) | Sample | |
| less than 1 | 1.9 | 0.6 | 0 | 0 | 0 | 1.7 | 698 | 25 | |
| 1 – 2 | 3.3 | 1.2 | 14.5 | 0 | 14.5 | 3.1 | 1241 | 39 | |
| 2 – 3 | 3.3 | 1 | 0 | 0 | 0 | 3 | 1207 | 56 | |
| 3 – 4 | 3.1 | 3.2 | 0 | 0 | 0 | 3.1 | 1238 | 45 | |
| 4 – 5 | 2 | 1.4 | 0 | 0 | 0 | 1.9 | 780 | 37 | |
| 5 – 10 | 28.9 | 12.1 | 14.6 | 0 | 14.6 | 27.1 | 10866 | 438 | |
| 10 – 20 | 33.9 | 18.4 | 32 | 0 | 32 | 32.3 | 12950 | 497 | |
| 20 – 40 | 18.2 | 33.4 | 25.7 | 0 | 25.7 | 19.8 | 7931 | 295 | |
| 40 – 60 | 4.8 | 15.9 | 13.2 | 0 | 13.2 | 6 | 2406 | 89 | |
| 60 and more | 0.5 | 9.8 | 0 | 0 | 0 | 1.5 | 599 | 23 | |
| not known | 0.1 | 3.1 | 0 | 0 | 0 | 0.4 | 158 | 8 | |
| all | 100 | 100 | 100 | 0 | 100 | 100 | 40074 | 1552 | |
| percentage distn. of households with own dwelling unit | 89 | 10 | 0 | 0 | 0 | 100 | XX | XX | |
| number of households with own dwelling unit | estd. (00) | 35756 | 4136 | 182 | 0 | 182 | 40074 | XX | XX |
| | sample | 1396 | 150 | 6 | 0 | 6 | 1552 | XX | XX |

| Table 41: Percentage distribution of households with own dwelling unit by period since built for each type of structure | | | | | | | | | |
|---|------------|-------------------|------------|-----------------------|-------------------------|------------|--|------------|--------|
| Kerala | | | | | | | Urban | | |
| period since built (years) | | type of structure | | | | | number of households with own dwelling unit | | |
| | | pucca | semi-pucca | serviceable katcha | unserviceable katcha | all katcha | all | estd. (00) | Sample |
| less than 1 | | 1.8 | 0 | 19.8 | 0 | 19.8 | 1.7 | 583 | 21 |
| 1 – 2 | | 3.8 | 3 | 0 | 0 | 0 | 3.7 | 1299 | 45 |
| 2 – 3 | | 3.5 | 0 | 0 | 0 | 0 | 3.1 | 1099 | 46 |
| 3 – 4 | | 3.6 | 1.5 | 0 | 0 | 0 | 3.4 | 1198 | 49 |
| 4 – 5 | | 3 | 3 | 0 | 0 | 0 | 3 | 1068 | 46 |
| 5 – 10 | | 23.5 | 18.7 | 27 | 0 | 27 | 23 | 8121 | 341 |
| 10 – 20 | | 32.6 | 28.3 | 10.3 | 0 | 10.3 | 32.1 | 11336 | 469 |
| 20 – 40 | | 21.6 | 23.3 | 0 | 0 | 0 | 21.7 | 7666 | 328 |
| 40 – 60 | | 3.9 | 13.4 | 26.8 | 0 | 26.8 | 4.9 | 1734 | 75 |
| 60 and more | | 0.9 | 2.5 | 16.1 | 0 | 16.1 | 1.1 | 381 | 21 |
| not known | | 1.8 | 6.4 | 0 | 0 | 0 | 2.3 | 812 | 36 |
| all | | 100 | 100 | 100 | 0 | 100 | 100 | 35296 | 1477 |
| percentage distn. of households | | 89 | 10 | 0 | 0 | 0 | 100 | XX | XX |
| number of households with own dwelling unit | estd. (00) | 31552 | 3641 | 102 | 0 | 102 | 35296 | XX | XX |
| | sample | 1338 | 134 | 5 | 0 | 5 | 1477 | XX | XX |

| Table 41: Percentage distribution of households with own dwelling unit by period since built for each type of structure | | | | | | | | | |
|---|-------------------|------------|-----------------------|-------------------------|------------|------|--|--------|----|
| Kerala | | | | | | | Rural + Urban | | |
| period since built (years) | type of structure | | | | | | number of households with own dwelling unit | | |
| | pucca | semi-pucca | serviceable katcha | unserviceable katcha | all katcha | all | estd. (00) | Sample | |
| less than 1 | 1.8 | 0.3 | 7.1 | 0 | 7.1 | 1.7 | 1282 | 46 | |
| 1 – 2 | 3.5 | 2 | 9.3 | 0 | 9.3 | 3.4 | 2540 | 84 | |
| 2 – 3 | 3.4 | 0.5 | 0 | 0 | 0 | 3.1 | 2306 | 102 | |
| 3 – 4 | 3.3 | 2.4 | 0 | 0 | 0 | 3.2 | 2436 | 94 | |
| 4 – 5 | 2.5 | 2.1 | 0 | 0 | 0 | 2.5 | 1848 | 83 | |
| 5 – 10 | 26.4 | 15.2 | 19.1 | 0 | 19.1 | 25.2 | 18987 | 779 | |
| 10 – 20 | 33.3 | 23 | 24.2 | 0 | 24.2 | 32.2 | 24286 | 966 | |
| 20 – 40 | 19.8 | 28.6 | 16.4 | 0 | 16.4 | 20.7 | 15597 | 623 | |
| 40 – 60 | 4.4 | 14.7 | 18.1 | 0 | 18.1 | 5.5 | 4139 | 164 | |
| 60 and more | 0.7 | 6.4 | 5.8 | 0 | 5.8 | 1.3 | 981 | 44 | |
| not known | 0.9 | 4.6 | 0 | 0 | 0 | 1.3 | 970 | 44 | |
| all | 100 | 100 | 100 | 0 | 100 | 100 | 75370 | 3029 | |
| percentage distn. of households | 89 | 10 | 0 | 0 | 0 | 100 | XX | XX | |
| number of households with own dwelling unit | estd. (00) | 67308 | 7777 | 284 | 0 | 284 | 75370 | XX | XX |
| | sample | 2734 | 284 | 11 | 0 | 11 | 3029 | XX | XX |

| Table 42: Percentage of households having electricity for domestic use and percentage distribution of households having electricity for domestic use by type of electric wiring for each quintile class on UMPCE | | | | | | | | | | | |
|--|--|-------------------------|--------------------|-----------|-----|--|-------|--------|------|----------------------|--------|
| Kerala | | | | | | Rural | | | | | |
| quintile class on UMPCE | percentage of households having electricity for domestic use | type of electric wiring | | | | number of households having electricity for domestic use | | | | number of households | |
| | | conduct | fixed to the walls | temporary | all | estd. (00) | | sample | | estd.(00) | sample |
| | | | | | | all | all | all | all | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | | 9 | 10 |
| 0-20 | 98.9 | 75.9 | 22.5 | 1.6 | 100 | 7159 | 7159 | 268 | 268 | 7240 | 271 |
| 20-40 | 99.3 | 84.2 | 14.2 | 1.6 | 100 | 7849 | 7849 | 324 | 324 | 7907 | 326 |
| 40-60 | 99.6 | 81.8 | 16 | 2.2 | 100 | 8154 | 8154 | 324 | 324 | 8183 | 326 |
| 60-80 | 99.2 | 78.4 | 19.8 | 1.8 | 100 | 9025 | 9025 | 333 | 333 | 9095 | 335 |
| 80-100 | 99.3 | 86.1 | 12.9 | 1 | 100 | 9991 | 9991 | 393 | 393 | 10057 | 394 |
| all | 99.3 | 81.6 | 16.8 | 1.6 | 100 | 42177 | 42177 | 1642 | 1642 | 42481 | 1652 |
| no.of house holds | estd.(00) | 42177 | 34399 | 7101 | 677 | 42177 | X | X | X | X | X |
| | sample | 1642 | 1319 | 296 | 27 | 1642 | X | X | X | X | X |

Table 42: Percentage of households having electricity for domestic use and percentage distribution of households having electricity for domestic use by type of electric wiring for each quintile class on UMPCE

| Kerala | | | | | | Urban | | | | | |
|-------------------------|--|-------------------------|--------------------|-----------|-----|--|-------|--------|------|----------------------|--------|
| quintile class on UMPCE | percentage of households having electricity for domestic use | type of electric wiring | | | | number of households having electricity for domestic use | | | | number of households | |
| | | conduct | fixed to the walls | temporary | all | estd. (00) | | sample | | estd.(00) | sample |
| | | | | | | all | all | all | all | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | | 9 | 10 |
| 20-40 | 98.5 | 90.1 | 9.9 | 0 | 100 | 2964 | 2964 | 135 | 135 | 3008 | 138 |
| 40-60 | 100 | 92.4 | 7.6 | 0 | 100 | 2790 | 2790 | 127 | 127 | 2790 | 127 |
| 60-80 | 98.9 | 92.9 | 7.1 | 0 | 100 | 2212 | 2212 | 78 | 78 | 2236 | 79 |
| 80-100 | 99.9 | 91.6 | 7.5 | 0.9 | 100 | 30239 | 30239 | 1235 | 1235 | 30266 | 1236 |
| all | 99.7 | 90.9 | 8.2 | 0.9 | 100 | 41169 | 41169 | 1697 | 1697 | 41285 | 1703 |
| no.of house holds | estd.(00) | 41169 | 37414 | 3384 | 370 | 41169 | X | X | X | X | X |
| | sample | 1697 | 1550 | 133 | 14 | 1697 | X | X | X | X | X |

| Table 42: Percentage of households having electricity for domestic use and percentage distribution of households having electricity for domestic use by type of electric wiring for each quintile class on UMPCE | | | | | | | | | | | |
|--|--|-------------------------|--------------------|-----------|------|--|-------|--------|------|----------------------|--------|
| Kerala | | | | | | Rural + Urban | | | | | |
| quintile class on UMPCE | percentage of households having electricity for domestic use | type of electric wiring | | | | number of households having electricity for domestic use | | | | number of households | |
| | | conduct | fixed to the walls | temporary | all | estd. (00) | | sample | | estd.(00) | sample |
| | | | | | | all | all | all | all | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | | 9 | 10 |
| 20-40 | 99.1 | 85.8 | 13 | 1.2 | 100 | 10813 | 10813 | 459 | 459 | 10915 | 464 |
| 40-60 | 99.7 | 84.5 | 13.8 | 1.7 | 100 | 10944 | 10944 | 451 | 451 | 10973 | 453 |
| 60-80 | 99.2 | 81.3 | 17.3 | 1.4 | 100 | 11237 | 11237 | 411 | 411 | 11331 | 414 |
| 80-100 | 99.8 | 90.2 | 8.8 | 0.9 | 100 | 40230 | 40230 | 1628 | 1628 | 40323 | 1630 |
| all | 99.5 | 86.2 | 12.6 | 1.3 | 100 | 83346 | 83346 | 3339 | 3339 | 83766 | 3355 |
| no.of house holds | estd.(00) | 83346 | 71813 | 10486 | 1047 | 83346 | X | X | X | X | X |
| | sample | 3339 | 2869 | 429 | 41 | 3339 | X | X | X | X | X |

Table 43: Percentage distribution of households by system of disposal of household waste water for households with different types of drainage system

| Kerala | | | | | | Rural | | | | | |
|----------------------------------|--|---|----------------------------------|-------------------------|-------|--------------------|---|-----------|-----|----------------------|--------|
| drainage system of the household | percentage distribution of households with the drainage system | system of disposal of household waste water | | | | | | | | number of households | |
| | | safe reuse after treatment | disposed of without treatment to | | | | disposed of with or without treatment to other places | not known | all | estd. (00) | sample |
| | | | drainage system | open low land areas/str | ponds | nearby river/nalla | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| underground | 16.2 | 0.1 | 8.4 | 23.7 | 0 | 0.5 | 67.3 | 0 | 100 | 6876 | 298 |
| covered pucca | 26.3 | 0 | 29.9 | 6 | 0 | 0.4 | 63.1 | 0.6 | 100 | 11176 | 382 |
| open pucca | 9.4 | 0 | 19.3 | 35.6 | 0 | 0 | 44.4 | 0.6 | 100 | 3985 | 171 |
| open katcha | 10.4 | 0 | 5.4 | 36.6 | 0.6 | 1.8 | 54.8 | 0.9 | 100 | 4419 | 206 |
| no drainage | 37.7 | 0 | 2.1 | 15.8 | 0.2 | 1.7 | 79.5 | 0.7 | 100 | 16025 | 595 |
| all | 100 | 0 | 12.4 | 18.5 | 0.1 | 1 | 67.3 | 0.7 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | | 5 | 5271 | 7865 | 58 | 429 | 28609 | 244 | 42481 | X |
| | sample | | 2 | 192 | 314 | 3 | 16 | 1109 | 16 | 1652 | X |

Table 43: Percentage distribution of households by system of disposal of household waste water for households with different types of drainage system

| Kerala | | | | | | | | | | | |
|----------------------------------|--|---|----------------------------------|-------------------------|-------|--------------------|---|-----------|-----|----------------------|--------|
| Urban | | | | | | | | | | | |
| drainage system of the household | percentage distribution of households with the drainage system | system of disposal of household waste water | | | | | | | | number of households | |
| | | safe reuse after treatment | disposed of without treatment to | | | | disposed of with or without treatment to other places | not known | all | estd. (00) | sample |
| | | | drainage system | open low land areas/str | ponds | nearby river/nalla | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| underground | 30.4 | 0.8 | 27.8 | 17.2 | 0.3 | 0.7 | 51.6 | 1.5 | 100 | 12556 | 500 |
| covered pucca | 31.4 | 0 | 25.7 | 5 | 0 | 0.4 | 68.8 | 0 | 100 | 12950 | 543 |
| open pucca | 10.7 | 0 | 9.1 | 43.4 | 0 | 0 | 44.3 | 3.2 | 100 | 4412 | 179 |
| open katcha | 8.6 | 0 | 2.5 | 26.8 | 1.1 | 4.2 | 65.4 | 0 | 100 | 3569 | 163 |
| no drainage | 18.9 | 0 | 4.3 | 34.1 | 0 | 1.8 | 59.8 | 0 | 100 | 7798 | 318 |
| all | 100 | 0.3 | 18.5 | 20.1 | 0.2 | 1.1 | 59 | 0.8 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | | 104 | 7644 | 8350 | 79 | 434 | 24339 | 336 | 41285 | X |
| | sample | | 4 | 338 | 343 | 4 | 21 | 986 | 7 | 1703 | X |

Table 43: Percentage distribution of households by system of disposal of household waste water for households with different types of drainage system

| Kerala | | | | | | | | | | | |
|----------------------------------|--|---|----------------------------------|-------------------------|-------|--------------------|---|-----------|-------|----------------------|--------|
| Rural + Urban | | | | | | | | | | | |
| drainage system of the household | percentage distribution of households with the drainage system | system of disposal of household waste water | | | | | | | | number of households | |
| | | safe reuse after treatment | disposed of without treatment to | | | | disposed of with or without treatment to other places | not known | all | estd. (00) | sample |
| | | | drainage system | open low land areas/str | ponds | nearby river/nalla | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| underground | 23.2 | 0.6 | 20.9 | 19.5 | 0.2 | 0.6 | 57.1 | 1 | 100 | 19432 | 798 |
| covered pucca | 28.8 | 0 | 27.7 | 5.5 | 0 | 0.4 | 66.2 | 0.3 | 100 | 24126 | 925 |
| open pucca | 10 | 0 | 14 | 39.7 | 0 | 0 | 44.3 | 2 | 100 | 8397 | 350 |
| open katcha | 9.5 | 0 | 4.1 | 32.2 | 0.8 | 2.8 | 59.5 | 0.5 | 100 | 7989 | 369 |
| no drainage | 28.5 | 0 | 2.8 | 21.8 | 0.1 | 1.7 | 73.1 | 0.5 | 100 | 23823 | 913 |
| all | 100 | 0.1 | 15.4 | 19.4 | 0.2 | 1 | 63.2 | 0.7 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 109 | 12915 | 16215 | 137 | 862 | 52948 | 580 | 83766 | X | X |
| | sample | 6 | 530 | 657 | 7 | 37 | 2095 | 23 | 3355 | X | X |

| Table 44: Percentage distribution of households by type of agency made arrangement for collection of garbage of the household for each place of disposal of household garbage | | | | | | | | | |
|---|--|---|------------------------------|--------|-----------|----------------|-------|------------------|--------|
| Kerala | | | | | Rural | | | | |
| place of disposal of household garbage | percentage distribution of hhs by place of disposal of household garbage | percentage distribution of households by agency made arrangement for collection of garbage of the household | | | | | | no.of households | |
| | | panchayet/ municipality/ corporation | resident/ group of residents | others | not known | no arrangement | all | estd. (00) | sample |
| | | | | | | | | all | all |
| bio-gas plant or manure pit | 2.9 | 16 | 0 | 1.5 | 2.8 | 79.6 | 100 | 1220 | 57 |
| household's individual dumping spot 100 | 63.9 | 0.6 | 0 | 0 | 2.1 | 97.3 | 100 | 27157 | 973 |
| community dumping spot: | | | | | | | | | |
| daily | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not daily but at least once in a week | 0.2 | 100 | 0 | 0 | 0 | 0 | 100 | 71 | 5 |
| not even once in a week | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not known | 0.1 | 0 | 100 | 0 | 0 | 0 | 100 | 24 | 1 |
| all frequency | 0.3 | 74.7 | 25.3 | 0 | 0 | 0 | 100 | 95 | 6 |
| common place other than community | | | | | | | | | |
| dumping spot: | | | | | | | | | |
| daily | 0 | 22.3 | 0 | 0 | 0 | 77.7 | 100 | 107 | 5 |
| not daily but at least once in a week | 0 | 41.1 | 0 | 0 | 0 | 58.9 | 100 | 139 | 13 |
| not even once in a week | 1.3 | 5.2 | 0 | 0 | 0 | 94.8 | 100 | 342 | 11 |
| not known | 0 | 1.9 | 0 | 0 | 0 | 98.1 | 100 | 130 | 5 |
| all frequency | 1.3 | 14.1 | 0 | 0 | 0 | 85.9 | 100 | 719 | 34 |
| others | 31.3 | 10 | 0 | 2.3 | 1.3 | 86.4 | 100 | 13278 | 579 |
| not known | 0 | 8.5 | 0 | 0 | 91.5 | 0 | 100 | 13 | 3 |
| all | 100 | 4.4 | 0.1 | 0.8 | 1.8 | 92.9 | 100 | 42481 | 1652 |
| no. of households | estd. (00) | 42481 | 1870 | 24 | 325 | 779 | 39484 | 42481 | X |
| | sample | 1652 | 100 | 1 | 17 | 31 | 1503 | 1652 | X |

| Table 44: Percentage distribution of households by type of agency made arrangement for collection of garbage of the household for each place of disposal of household garbage | | | | | | | | | | |
|---|------------|--|---|------------------------------|--------|-----------|----------------|------------------|------------|--------|
| Kerala | | | Urban | | | | | | | |
| place of disposal of household garbage | | percentage distribution of hhs by place of disposal of household garbage | percentage distribution of households by agency made arrangement for collection of garbage of the household | | | | | no.of households | | |
| | | | panchayet/ municipality/ corporation | resident/ group of residents | others | not known | no arrangement | all | estd. (00) | sample |
| | | | | | | | | | all | all |
| bio-gas plant or manure pit | | 1.9 | 14.6 | 0.7 | 0 | 0 | 84.7 | 100 | 771 | 32 |
| household's individual dumping spot 100 | | 46.9 | 9.9 | 2.3 | 1.1 | 1.5 | 85.2 | 100 | 19356 | 783 |
| community dumping spot: | | | | | | | | | | |
| daily | | 1 | 17.3 | 0 | 0 | 0 | 82.7 | 100 | 430 | 19 |
| not daily but at least once in a week | | 0.7 | 83.8 | 0 | 1.6 | 0 | 14.6 | 100 | 289 | 22 |
| not even once in a week | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not known | | 0.2 | 0 | 35.2 | 0 | 64.8 | 0 | 100 | 72 | 2 |
| all frequency | | 1.9 | 40 | 3.2 | 0.6 | 5.9 | 50.3 | 100 | 791 | 43 |
| common place other than community | | | | | | | | | | |
| dumping spot: | | | | | | | | | | |
| daily | | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 24 | 1 |
| not daily but at least once in a week | | 2 | 24 | 18.2 | 0 | 0 | 57.8 | 100 | 668 | 24 |
| not even once in a week | | 5 | 3.1 | 0 | 0 | 2.3 | 94.6 | 100 | 2005 | 71 |
| not known | | 1 | 4.7 | 5.8 | 0 | 12.6 | 76.9 | 100 | 601 | 20 |
| all frequency | | 8 | 8.3 | 4.7 | 0 | 3.7 | 83.2 | 100 | 3298 | 116 |
| others | | 40.7 | 19 | 0.9 | 5.1 | 1.2 | 73.8 | 100 | 16789 | 721 |
| not known | | 0.6 | 0 | 0 | 0 | 82.6 | 17.4 | 100 | 281 | 8 |
| all | | 100 | 14.1 | 1.9 | 2.6 | 2.2 | 79.2 | 100 | 41285 | 1703 |
| no. of households | estd. (00) | 41285 | 5809 | 782 | 1079 | 888 | 32728 | 41285 | X | X |
| | sample | 1703 | 272 | 36 | 50 | 26 | 1319 | 1703 | X | X |

| Table 44: Percentage distribution of households by type of agency made arrangement for collection of garbage of the household for each place of disposal of household garbage | | | | | | | | | | |
|---|------------|--|---|---------------------------------|--------|-----------|----------------|------------------|------------|--------|
| Kerala | | | Rural + Urban | | | | | | | |
| place of disposal of household garbage | | percentage distribution of hhs by place of disposal of household garbage | percentage distribution of households by agency made arrangement for collection of garbage of the household | | | | | no.of households | | |
| | | | panchayet/ municipality/ corporation | resident/ group of residents | others | not known | no arrangement | all | estd. (00) | sample |
| | | | | | | | | | all | all |
| bio-gas plant or manure pit | | 2.4 | 15.5 | 0.3 | 0.9 | 1.7 | 81.6 | 100 | 1990 | 89 |
| household's individual dumping spot 100 | | 55.5 | 4.5 | 1 | 0.5 | 1.8 | 92.3 | 100 | 46513 | 1756 |
| community dumping spot: | | | | | | | | | | |
| daily | | 0.5 | 17.3 | 0 | 0 | 0 | 82.7 | 100 | 430 | 19 |
| not daily but at least once in a week | | 0.4 | 87 | 0 | 1.3 | 0 | 11.7 | 100 | 360 | 27 |
| not even once in a week | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not known | | 0.2 | 0 | 51.4 | 0 | 48.6 | 0 | 100 | 96 | 3 |
| all frequency | | 1.1 | 43.7 | 5.6 | 0.5 | 5.3 | 44.9 | 100 | 886 | 49 |
| common place other than community | | | | | | | | | | |
| dumping spot: | | | | | | | | | | |
| daily | | 0 | 36.7 | 0 | 0 | 0 | 63.3 | 100 | 131 | 6 |
| not daily but at least once in a week | | 1 | 27 | 15 | 0 | 0 | 58 | 100 | 807 | 37 |
| not even once in a week | | 3 | 3.4 | 0 | 0 | 2 | 94.6 | 100 | 2347 | 82 |
| not known | | 1 | 4.2 | 4.7 | 0 | 10.3 | 80.7 | 100 | 731 | 25 |
| all frequency | | 4.8 | 9.4 | 3.9 | 0 | 3 | 83.7 | 100 | 4017 | 150 |
| others | | 35.9 | 15 | 0.5 | 3.9 | 1.2 | 79.4 | 100 | 30067 | 1300 |
| not known | | 0.4 | 0.4 | 0 | 0 | 83 | 16.6 | 100 | 294 | 11 |
| all | | 100 | 9.2 | 1 | 1.7 | 2 | 86.2 | 100 | 83766 | 3355 |
| no. of households | estd. (00) | 83766 | 7679 | 806 | 1404 | 1667 | 72212 | 83766 | X | X |
| | sample | 3355 | 372 | 37 | 67 | 57 | 2822 | 3355 | X | X |

| Table 45: Percentage distribution of households by type of approach road / lane /constructed path to the house for each type of structure of the house | | | | | | | | | |
|--|------------|--|----------------------|-----------------------------------|-------------------|------|----------------------|--------|----------------------|
| Kerala | | | | | rural | | | | |
| type of structure | | approach road / lane /constructed path | | | | all | number of households | | |
| | | direct opening to | | | no direct opening | | estd. (00) | sample | |
| | | motorable road/lane/constructed path | | other road/lane/ constructed path | | | all | all | |
| | | with street light | without street light | with street light | | | | | without street light |
| pucca 100 | | 45.2 | 19.5 | 8.3 | 20.2 | 6.7 | 100 | 37865 | 1484 |
| semi-pucca Reference: 100 | | 35.9 | 12.8 | 5.4 | 37.2 | 8.6 | 100 | 4434 | 162 |
| serviceable katcha | | 14.6 | 27.7 | 0 | 13.8 | 43.9 | 100 | 182 | 6 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 14.6 | 27.7 | 0 | 13.8 | 43.9 | 100 | 182 | 6 |
| all | | 44.1 | 18.8 | 8 | 22 | 7.1 | 100 | 42481 | 1652 |
| no. of households | estd. (00) | 18740 | 8004 | 3387 | 9334 | 3016 | 42481 | X | X |
| | sample | 735 | 299 | 143 | 369 | 106 | 1652 | X | X |

Table 45: Percentage distribution of households by type of approach road / lane /constructed path to the house for each type of structure of the house

| Kerala | | | | | Urban | | | | |
|------------------------------|------------|--|----------------------|-------------------|-----------------------------------|-------------------|-------|----------------------|--------|
| type of structure | | approach road / lane /constructed path | | | | no direct opening | all | number of households | |
| | | direct opening to | | | other road/lane/ constructed path | | | estd. (00) | sample |
| | | motorable road/lane/ constructed path | | | | | | | |
| | | with street light | without street light | with street light | | | | | |
| pucca 100 | | 58.8 | 8.8 | 8.9 | 19.1 | 4.3 | 100 | 37257 | 1551 |
| semi-pucca Reference: 100 | | 66 | 7.8 | 12.4 | 9.8 | 4 | 100 | 3926 | 147 |
| serviceable katcha | | 46.3 | 0 | 0 | 0 | 53.7 | 100 | 102 | 5 |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | | 46.3 | 0 | 0 | 0 | 53.7 | 100 | 102 | 5 |
| all | | 59.5 | 8.7 | 9.2 | 18.2 | 4.4 | 100 | 41285 | 1703 |
| no. of households | estd. (00) | 24559 | 3594 | 3798 | 7503 | 1831 | 41285 | X | X |
| | sample | 964 | 159 | 163 | 334 | 83 | 1703 | X | X |

| Table 45: Percentage distribution of households by type of approach road / lane /constructed path to the house for each type of structure of the house | | | | | | | | | | |
|--|------------|--|----------------------|-----------------------------------|----------------------|------|-------|----------------------|------------|--------|
| Kerala | | | | | Rural + Urban | | | | | |
| type of structure | | approach road / lane /constructed path | | | | | all | number of households | | |
| | | direct opening to | | | | | | no direct opening | estd. (00) | sample |
| | | motorable road/lane/constructed path | | other road/lane/ constructed path | | | | | all | all |
| | | with street light | without street light | with street light | without street light | | | | | |
| pucca 100 | | 52 | 14.2 | 8.6 | 19.7 | 5.6 | 100 | 75122 | 3035 | |
| semi-pucca Reference: 100 | | 50 | 10.5 | 8.7 | 24.3 | 6.4 | 100 | 8361 | 309 | |
| serviceable katcha | | 26 | 17.7 | 0 | 8.8 | 47.4 | 100 | 284 | 11 | |
| unserviceable katcha | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all katcha | | 26 | 17.7 | 0 | 8.8 | 47.4 | 100 | 284 | 11 | |
| all | | 51.7 | 13.8 | 8.6 | 20.1 | 5.8 | 100 | 83766 | 3355 | |
| no. of households | estd. (00) | 43299 | 11599 | 7185 | 16837 | 4847 | 83766 | X | X | |
| | sample | 1699 | 458 | 306 | 703 | 189 | 3355 | X | X | |

Table 46: Percentage of households faced problem of stagnant water in or around the household premises, reported human faces are visible in or around the household premises, having animal shed/poultry farm and percentage distribution of these households by type of disposal of animal/poultry excreta for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | Rural | | | | |
|-------------------------|-----------|--|---|---|-------------------------|------|---|------------|--------------|--------|-----------|-------|---------------------------------|--------|-----------|--------|
| Quintile class on UMPCE | | percentage of households faced problem of stagnant water | percentage of households reported human faces are visible | percentage of households having animal shed/poultry | | | percentage distribution of households having animal shed/poultry farm by type of disposal of animal/poultry excreta | | | | | | number of households | | | |
| | | | | attached to the house | detached from the house | all | to bio-gas plant | manure pit | used as fuel | others | not known | all | having animal shed/poultry farm | | all | |
| | | | | | | | | | | | | | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | all | all | | |
| 0-20 | | 2.3 | 0.5 | 2.2 | 23.2 | 25.5 | 0 | 65.6 | 0 | 29.1 | 5.4 | 100 | 1844 | 73 | 7240 | 271 |
| 20-40 | | 1.7 | 0.8 | 4 | 18.4 | 22.4 | 2 | 52.4 | 2 | 38.3 | 5.2 | 100 | 1770 | 75 | 7907 | 326 |
| 40-60 | | 2.2 | 1.6 | 2.1 | 17.8 | 19.9 | 4 | 61.6 | 0 | 32.4 | 2 | 100 | 1628 | 66 | 8183 | 326 |
| 60-80 | | 4.6 | 0 | 3.7 | 21.2 | 24.8 | 4.2 | 48.5 | 6.3 | 30.9 | 10.1 | 100 | 2260 | 79 | 9095 | 335 |
| 80-100 | | 6.6 | 0.8 | 4.2 | 16.5 | 20.7 | 10.5 | 44.9 | 1.6 | 34.4 | 8.6 | 100 | 2078 | 71 | 10057 | 394 |
| all | | 3.7 | 0.7 | 3.3 | 19.2 | 22.5 | 4.3 | 54 | 2.2 | 32.9 | 6.6 | 100 | 9579 | 364 | 42481 | 1652 |
| no.of house holds | estd.(00) | 1560 | 311 | 1405 | 8175 | 9579 | 416 | 5170 | 211 | 3154 | 628 | 9579 | X | X | X | X |
| | sample | 64 | 10 | 54 | 310 | 364 | 17 | 192 | 6 | 114 | 35 | 364 | X | X | X | X |

Table 46: Percentage of households faced problem of stagnant water in or around the household premises, reported human faces are visible in or around the household premises, having animal shed/poultry farm and percentage distribution of these households by type of disposal of animal/poultry excreta for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | Urban | | | | |
|-------------------------|-----------|--|---|---|-------------------------|------|---|------------|--------------|--------|-----------|-------|---------------------------------|--------|-----------|--------|
| Quintile class on UMPCE | | percentage of households faced problem of stagnant water | percentage of households reported human faces are visible | percentage of households having animal shed/poultry | | | percentage distribution of households having animal shed/poultry farm by type of disposal of animal/poultry excreta | | | | | | number of households | | | |
| | | | | attached to the house | detached from the house | all | to bio-gas plant | manure pit | used as fuel | others | not known | all | having animal shed/poultry farm | | all | |
| | | | | | | | | | | | | | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | all | all | | |
| 0-20 | | 2.7 | 0.6 | 2.4 | 17 | 19.5 | 0 | 38.6 | 0 | 26.6 | 34.8 | 100 | 581 | 22 | 2984 | 123 |
| 20-40 | | 2.5 | 1.6 | 2.1 | 19.9 | 22 | 0 | 44.5 | 6.8 | 29.3 | 19.3 | 100 | 660 | 29 | 3008 | 138 |
| 40-60 | | 0.8 | 0 | 1 | 13.1 | 14.1 | 0 | 36.4 | 7.2 | 33 | 23.5 | 100 | 393 | 15 | 2790 | 127 |
| 60-80 | | 2.2 | 2.2 | 0 | 16.6 | 16.6 | 7 | 22.1 | 10.4 | 58 | 2.5 | 100 | 372 | 12 | 2236 | 79 |
| 80-100 | | 10.2 | 0.9 | 2.8 | 11.5 | 14.3 | 3.2 | 26.3 | 10.1 | 46.8 | 13.6 | 100 | 4319 | 175 | 30266 | 1236 |
| all | | 8 | 0.9 | 2.4 | 12.9 | 15.3 | 2.6 | 29.7 | 8.7 | 42.9 | 16.1 | 100 | 6326 | 253 | 41285 | 1703 |
| no.of house holds | estd.(00) | 3313 | 374 | 1001 | 5325 | 6326 | 164 | 1880 | 547 | 2714 | 1020 | 6326 | X | X | X | X |
| | sample | 120 | 15 | 43 | 210 | 253 | 7 | 82 | 18 | 109 | 37 | 253 | X | X | X | X |

Table 46: Percentage of households faced problem of stagnant water in or around the household premises, reported human faces are visible in or around the household premises, having animal shed/poultry farm and percentage distribution of these households by type of disposal of animal/poultry excreta for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | Rural + Urban | | | | |
|-------------------------|-----------|--|---|---|-------------------------|-------|---|------------|--------------|--------|-----------|---------------|---------------------------------|--------|-----------|--------|
| Quintile class on UMPCE | | percentage of households faced problem of stagnant water | percentage of households reported human faces are visible | percentage of households having animal shed/poultry | | | percentage distribution of households having animal shed/poultry farm by type of disposal of animal/poultry excreta | | | | | | number of households | | | |
| | | | | attached to the house | detached from the house | all | to bio-gas plant | manure pit | used as fuel | others | not known | all | having animal shed/poultry farm | | all | |
| | | | | | | | | | | | | | estd.(00) | sample | estd.(00) | sample |
| | | | | | | | | | | | | | all | all | | |
| 0-20 | | 2.4 | 0.5 | 2.3 | 21.4 | 23.7 | 0 | 59.1 | 0 | 28.5 | 12.4 | 100 | 2425 | 95 | 10224 | 394 |
| 20-40 | | 1.9 | 1 | 3.5 | 18.8 | 22.3 | 1.5 | 50.3 | 3.3 | 35.9 | 9 | 100 | 2431 | 104 | 10915 | 464 |
| 40-60 | | 1.8 | 1.2 | 1.8 | 16.6 | 18.4 | 3.2 | 56.7 | 1.4 | 32.5 | 6.1 | 100 | 2021 | 81 | 10973 | 453 |
| 60-80 | | 4.1 | 0.4 | 3 | 20.3 | 23.2 | 4.6 | 44.8 | 6.9 | 34.7 | 9 | 100 | 2632 | 91 | 11331 | 414 |
| 80-100 | | 9.3 | 0.8 | 3.1 | 12.7 | 15.9 | 5.6 | 32.4 | 7.3 | 42.8 | 12 | 100 | 6397 | 246 | 40323 | 1630 |
| all | | 5.8 | 0.8 | 2.9 | 16.1 | 19 | 3.6 | 44.3 | 4.8 | 36.9 | 10.4 | 100 | 15905 | 617 | 83766 | 3355 |
| no.of house holds | estd.(00) | 4873 | 686 | 2405 | 13500 | 15905 | 580 | 7050 | 759 | 5869 | 1648 | 15905 | X | X | X | X |
| | sample | 184 | 25 | 97 | 520 | 617 | 24 | 274 | 24 | 223 | 72 | 617 | X | X | X | X |

Table 47 : Percentage of households reported that during last 365 days they faced problem of flies/mosquitoes, effort was made by local bodies/state government to tackle problem of flies/mosquitoes, effort was made by the household* to tackle problem of flies/mosquitoes, and members of the household suffered from specific type of illness for each quintile class on UMPCE

| Kerala Rural | | | | | | | | | | | | |
|-------------------------|-----------|------------------------------------|-------|--|--|---|--|---------------|----------|----------------|----------------------|--------|
| quintile class on UMPCE | | percentage of households reporting | | | | | | | | | | |
| | | problem of flies/mosquitoes | | effort was made by local bodies/state government to tackle problem of flies/mosquitoes | effort was made by the household to tackle problem of flies/mosquitoes | specific type of illness suffered by any of the household members | | | | | number of households | |
| | | | | | | stomach problems like diarrhea/dysentery/ | malaria/dengue / chikungunya/ encephalitis | skin diseases | jaundice | other diseases | estd.(00) | sample |
| 0-20 | | 20.8 | 72.2 | 15.4 | 88.6 | 2.7 | 4.4 | 4.1 | 0.6 | 13.6 | 7240 | 271 |
| 20-40 | | 13.2 | 80.6 | 22.4 | 88.7 | 3.6 | 3.7 | 2.8 | 1.9 | 12.5 | 7907 | 326 |
| 40-60 | | 10.1 | 84.3 | 30.9 | 91.4 | 0.9 | 1.1 | 4.1 | 1.4 | 13.7 | 8183 | 326 |
| 60-80 | | 11.9 | 78.7 | 19.4 | 88.7 | 1.2 | 2.1 | 1.5 | 1.1 | 13.2 | 9095 | 335 |
| 80-100 | | 21.2 | 73 | 8.9 | 90.1 | 0.8 | 2.1 | 1.9 | 0.2 | 6.6 | 10057 | 394 |
| all | | 15.5 | 77.7 | 19 | 89.6 | 1.7 | 2.6 | 2.8 | 1 | 11.7 | 42481 | 1652 |
| no.of house holds* | estd.(00) | 6600 | 32998 | 8078 | 35467 | 737 | 1094 | 1173 | 432 | 4959 | X | X |
| | sample | 237 | 1304 | 327 | 1367 | 36 | 42 | 45 | 15 | 220 | X | X |

Table 47 : Percentage of households reported that during last 365 days they faced problem of flies/mosquitoes, effort was made by local bodies/state government to tackle problem of flies/mosquitoes, effort was made by the household* to tackle problem of flies/mosquitoes, and members of the household suffered from specific type of illness for each quintile class on UMPCE

| Kerala | | | | | | Urban | | | | | | |
|-------------------------|-----------|------------------------------------|-------|---|--|---|--|---------------|----------|----------------|----------------------|--------|
| quintile class on UMPCE | | percentage of households reporting | | | | | | | | | | |
| | | problem of flies/mosquitoes | | effort was made by local bodies/state government to tackle problem of flies/mosquittoes | effort was made by the household to tacle problem of flies/mosquittoes | specific type of illness suffered by any of the household members | | | | | number of households | |
| | | | | | | stomach problems like diarrhea/dysentery/ | malaria/dengue / chikungunya/ encephalitis | skin diseases | jaundice | other diseases | estd.(00) | sample |
| 0-20 | | 7.5 | 82.1 | 20.7 | 89.2 | 5.4 | 0.3 | 1.7 | 0.0 | 10.4 | 2984 | 123 |
| 20-40 | | 8.8 | 74.3 | 10.7 | 90.9 | 4.2 | 1.6 | 2.6 | 0.9 | 6.2 | 3008 | 138 |
| 40-60 | | 7.1 | 82.0 | 10.7 | 84.2 | 4.4 | 2.6 | 4.9 | 1.8 | 5.9 | 2790 | 127 |
| 60-80 | | 19.5 | 73.5 | 2.5 | 85.0 | 1.0 | 0.0 | 0.8 | 0.0 | 3.9 | 2236 | 79 |
| 80-100 | | 28.2 | 66.5 | 20.4 | 83.7 | 3.2 | 2.2 | 2.3 | 0/5 | 7.8 | 30266 | 1236 |
| all | | 23.4 | 69.6 | 18.1 | 84.6 | 3.4 | 1.9 | 2.3 | 0.5 | 7.5 | 41285 | 1703 |
| no.of house holds* | estd.(00) | 9669 | 28755 | 7474 | 32515 | 1402 | 797 | 965 | 217 | 3114 | X | X |
| | sample | 382 | 1200 | 321 | 1350 | 53 | 34 | 39 | 11 | 151 | X | X |

Table 47 : Percentage of households reported that during last 365 days they faced problem of flies/mosquitoes, effort was made by local bodies/state government to tackle problem of flies/mosquitoes, effort was made by the household* to tackle problem of flies/mosquitoes, and members of the household suffered from specific type of illness for each quintile class on UMPCE

| Kerala | | | | | Rural + Urban | | | | | | | |
|-------------------------|-----------|------------------------------------|-------|--|--|--|--|------------------|----------|-------------------|-------------------------|--------|
| quintile class on UMPCE | | percentage of households reporting | | | | | | | | | | |
| | | problem of flies/mosquitoes | | effort was made by local bodies/state government to tackle problem of flies/mosquitoes | effort was made by the household to tacle problem of flies/mosquitoes | specific type of illness suffered by any of the household members | | | | | number of households | |
| | | | | | | stomach problems like diarrhea/ dysentery/ | malaria/dengue / chikungunya/ encephalitis | skin diseases | jaundice | other diseases | estd.(00) | sample |
| 0-20 | | 17.0 | 75.1 | 16.9 | 88.7 | 3.5 | 3.2 | 3.4 | 0.5 | 12.7 | 10224 | 394 |
| 20-40 | | 12.0 | 78.9 | 19.2 | 89.2 | 3.7 | 3.1 | 2.7 | 1.6 | 10.8 | 10915 | 464 |
| 40-60 | | 9.3 | 83.7 | 25.7 | 89.7 | 1.8 | 1.5 | 4.3 | 1.5 | 11.7 | 10973 | 453 |
| 60-80 | | 13.4 | 77.6 | 16.1 | 88.0 | 1.1 | 1.7 | 1.3 | 0.9 | 11.3 | 11331 | 414 |
| 80-100 | | 26.5 | 68.1 | 17.5 | 85.3 | 2.6 | 2.2 | 2.2 | 0.4 | 7.5 | 40323 | 1630 |
| all | | 19.4 | 73.7 | 18.6 | 87.1 | 2.6 | 2.3 | 2.6 | 0.8 | 9.6 | 83766 | 3355 |
| no.of house holds* | estd.(00) | 16269 | 61753 | 15552 | 67983 | 2140 | 1890 | 2138 | 650 | 8072 | X | X |
| | sample | 619 | 2504 | 648 | 2717 | 89 | 76 | 84 | 26 | 371 | X | X |

Table 48: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | | | | | | Rural | | | | | | | | | | | | | | | | | |
|-------------------------|-----------|-----------------------------|------------------|--------|--------|-------|-----------------------------|------------------|--------|--------|-----|-----------------------------|------------------|--------|--------|-----|------------------|--------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| quintile class on UMPCE | | type of dwelling | | | | | | | | | | | | | | | no of households | | | | | | | | | | | | | | | | | | |
| | | independent house | | | | | flat | | | | | others | | | | | | | all | | | | | | | | | | | | | | | | |
| | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | | | | | | | | | | | | | | | | | | | |
| | | owned | hired | | others | all | owne d | hired | | others | all | owne d | hired | | others | all | | | | | | | | | | | | | | | | | | | |
| | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | others | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | estd.(00) | sample | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | all | all | | | | | | | | | | | | | | | | | |
| 0-20 | | 96.3 | 0 | 2 | 1 | 99.3 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0.3 | 0 | 0 | 0.3 | 100 | 7240 | 271 | | | | | | | | | | | | | | | | |
| 20-40 | | 94 | 0 | 4.6 | 0.5 | 99.1 | 0 | 0 | 0.4 | 0 | 0.4 | 0 | 0 | 0.5 | 0 | 0.5 | 100 | 7907 | 326 | | | | | | | | | | | | | | | | |
| 40-60 | | 95.8 | 0 | 2.6 | 0.5 | 98.8 | 0 | 0 | 0.1 | 0 | 0.1 | 0 | 0 | 0.4 | 0.7 | 1.1 | 100 | 8183 | 326 | | | | | | | | | | | | | | | | |
| 60-80 | | 91.9 | 0 | 5.7 | 1.1 | 98.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 1.2 | 100 | 9095 | 335 | | | | | | | | | | | | | | | | |
| 80-100 | | 94.2 | 0.3 | 4.4 | 0 | 98.8 | 0 | 0 | 0.5 | 0 | 0.5 | 0 | 0 | 0 | 0.7 | 0.7 | 100 | 10057 | 394 | | | | | | | | | | | | | | | | |
| all | | 94.3 | 0.1 | 4 | 0.6 | 99 | 0 | 0 | 0.3 | 0 | 0.3 | 0 | 0 | 0.2 | 0.5 | 0.7 | 100 | 42481 | 1652 | | | | | | | | | | | | | | | | |
| no.of house holds | estd.(00) | 40073 | 27 | 1684 | 253 | 42036 | 2 | 0 | 117 | 0 | 119 | 0 | 0 | 1 | 2 | 3 | 42481 | x | x | | | | | | | | | | | | | | | | |
| | sample | 1551 | 1 | 58 | 16 | 1626 | 1 | 0 | 7 | 0 | 8 | 0 | 1 | 3 | 14 | 18 | 1652 | x | x | | | | | | | | | | | | | | | | |

Table 48: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | | | | | | | urban | | | | | | | | | | | | | | | | | | |
|----------------------------|-----------|-------|-----------------------------|------------------|--------|--------|------|-----------------------------|------------------|--------|--------|-----|-----------------------------|------------------|--------|--------|-------|------------------|-------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| quintile class on UMPCE | | | type of dwelling | | | | | | | | | | | | | | | no of households | | | | | | | | | | | | | | | | | | | |
| | | | independent house | | | | | flat | | | | | others | | | | | | | all | | | | | | | | | | | | | | | | | |
| | | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | owned | hired | | others | all | owne d | hired | | others | all | owne d | hired | | others | all | | | | | | | | | | | | | | | | | | | | |
| | | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | others | | | | | | | | | | | | | | | | | | | | | | |
| 0-20 | | | 95.8 | 0 | 2.3 | 0.9 | 99 | 0.7 | 0 | 0.3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 100 | 2984 | 123 | | | | | | | | | | | | | | | | | |
| 20-40 | | | 88.6 | 0 | 2.6 | 0.8 | 92 | 0 | 0 | 0 | 0.5 | 0.5 | 0 | 0 | 5.6 | 1.8 | 7.5 | 100 | 3008 | 138 | | | | | | | | | | | | | | | | | |
| 40-60 | | | 91.4 | 0 | 6.8 | 0 | 98.2 | 0 | 0.5 | 1.3 | 0 | 1.8 | 0 | 0 | 0 | 0 | 0 | 100 | 2790 | 127 | | | | | | | | | | | | | | | | | |
| 60-80 | | | 91.1 | 0 | 6.9 | 0 | 97.9 | 0 | 1.6 | 0.4 | 0 | 2.1 | 0 | 0 | 0 | 0 | 0 | 100 | 2236 | 79 | | | | | | | | | | | | | | | | | |
| 80-100 | | | 82.3 | 0.2 | 9 | 1.1 | 92.6 | 0.8 | 1.5 | 4.1 | 0 | 6.4 | 0 | 0.5 | 0.6 | 0 | 1 | 100 | 30266 | 1236 | | | | | | | | | | | | | | | | | |
| all | | | 84.8 | 0.1 | 7.8 | 0.9 | 93.7 | 0.7 | 1.2 | 3.1 | 0 | 5 | 0 | 0.4 | 0.8 | 0.1 | 1.3 | 100 | 41285 | 1703 | | | | | | | | | | | | | | | | | |
| no.of house holds | estd.(00) | 35023 | 54 | 3215 | 380 | 38673 | 273 | 493 | 1290 | 15 | 2071 | 0 | 1 | 3 | 1 | 5 | 41285 | x | x | | | | | | | | | | | | | | | | | | |
| | sample | 1465 | 3 | 131 | 13 | 1612 | 12 | 20 | 34 | 2 | 68 | 0 | 1 | 19 | 3 | 23 | 1703 | x | x | | | | | | | | | | | | | | | | | | |

Table 48: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------|-----------------------------|------------------|--------|--------|-------|-----------------------------|------------------|--------|--------|------|-----------------------------|------------------|--------|--------|-----|------------------|-------|------|
| Rual + Urban | | | | | | | | | | | | | | | | | | | |
| quintile class on UMPCE | | type of dwelling | | | | | | | | | | | | | | | no of households | | |
| | | independent house | | | | | flat | | | | | others | | | | | | | all |
| | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | | | |
| | | owned | hired | | others | all | owne d | hired | | others | all | owne d | hired | | others | all | | | |
| | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | others | | | | | |
| | | 96.1 | 0 | 2.1 | 1 | 99.2 | 0.2 | 0 | 0.4 | 0 | 0.6 | 0 | 0.2 | 0 | 0 | 0.2 | 100 | 10224 | 394 |
| 0-20 | | 96.1 | 0 | 2.1 | 1 | 99.2 | 0.2 | 0 | 0.4 | 0 | 0.6 | 0 | 0.2 | 0 | 0 | 0.2 | 100 | 10224 | 394 |
| 20-40 | | 92.5 | 0 | 4 | 0.6 | 97.1 | 0 | 0 | 0.3 | 0.1 | 0.4 | 0 | 0 | 1.9 | 0.5 | 2.4 | 100 | 10915 | 464 |
| 40-60 | | 94.7 | 0 | 3.6 | 0.3 | 98.6 | 0 | 0.1 | 0.4 | 0 | 0.5 | 0 | 0 | 0.3 | 0.5 | 0.8 | 100 | 10973 | 453 |
| 60-80 | | 91.8 | 0 | 6 | 0.9 | 98.6 | 0 | 0.3 | 0.1 | 0 | 0.4 | 0 | 0 | 0 | 1 | 1 | 100 | 11331 | 414 |
| 80-100 | | 85.3 | 0.2 | 7.9 | 0.8 | 94.1 | 0.6 | 1.1 | 3.2 | 0 | 4.9 | 0 | 0.4 | 0.4 | 0.2 | 0.9 | 100 | 40323 | 1630 |
| all | | 89.6 | 0.1 | 5.8 | 0.8 | 96.3 | 0.3 | 0.6 | 1.7 | 0 | 2.6 | 0 | 0.2 | 0.5 | 0.3 | 1.1 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 75096 | 81 | 4899 | 633 | 80709 | 274 | 493 | 1408 | 15 | 2190 | 0 | 2 | 4 | 3 | 9 | 83766 | x | x |
| | sample | 3016 | 4 | 189 | 29 | 3238 | 13 | 20 | 41 | 2 | 76 | 0 | 2 | 22 | 17 | 41 | 3355 | x | x |

| Table 49: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each type of struture | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------------------|---------------|--------|--------|-------|-----------------------------|---------------|--------|--------|-----|-----------------------------|---------------|--------|--------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | Rural | | | | | | | | | |
| type of structure | | type of dwelling | | | | | | | | | | | | | | | no of households | | |
| | | independent house | | | | | flat | | | | | others | | | | | | | all |
| | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | tenurial status of dwelling | | | | | | | |
| | | owned | hired | | others | all | owned | hired | | others | all | owned | hired | | others | all | | | |
| | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | others | | | | | |
| | | | | | | | | | | | | | | | | | estd.(00) | sample | |
| | | | | | | | | | | | | | | | | | all | all | |
| pucca | | 94.4 | 0 | 4 | 0.6 | 99 | 0 | 0 | 0.3 | 0 | 0.3 | 0 | 0 | 0.1 | 0.6 | 0.7 | 100 | 37865 | 1484 |
| semi-pucca | | 93.3 | 0.6 | 4 | 0.9 | 98.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0.8 | 0 | 1.2 | 100 | 4434 | 162 |
| katcha | | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 182 | 6 |
| all | | 94.3 | 0.1 | 4 | 0.6 | 99 | 0 | 0 | 0.3 | 0 | 0.3 | 0 | 0 | 0.2 | 0.5 | 0.8 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 40073 | 27 | 1684 | 253 | 42036 | 2 | 0 | 117 | 0 | 119 | 0 | 0 | 1 | 2 | 3 | 42481 | x | x |
| | sample | 1551 | 1 | 58 | 16 | 1626 | 1 | 0 | 7 | 0 | 8 | 0 | 1 | 3 | 14 | 18 | 1652 | x | x |

| Table 49: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each type of struture | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------------------|---------------|--------|--------|-----------------------------|-------|---------------|--------|-----------------------------|------|-------|---------------|-----|--------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | Urban | | | | | | | | | |
| type of structure | | type of dwelling | | | | | | | | | | | | | | | no of households | | |
| | | independent house | | | | flat | | | | others | | | | all | | | | | |
| | | tenurial status of dwelling | | | | tenurial status of dwelling | | | | tenurial status of dwelling | | | | | | | | | |
| | | owned | hired | | others | all | owned | hired | | others | all | owned | hired | | others | all | | | |
| | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | | | | others | | |
| | | | | | | | | | | | | | | | | | estd.(00) | sample | |
| | | | | | | | | | | | | | | | | | all | all | |
| pucca | | 84.1 | 0.1 | 8 | 0.9 | 93.1 | 0.6 | 1.3 | 3.5 | 0 | 5.4 | 0 | 0.4 | 0.9 | 0.2 | 1.5 | 100 | 37257 | 1551 |
| semi-pucca | | 91.5 | 0.6 | 5.5 | 1.1 | 98.8 | 1.2 | 0 | 0 | 0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 100 | 3926 | 147 |
| katcha | | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 102 | 5 |
| all | | 84.8 | 0.1 | 7.8 | 0.9 | 93.7 | 0.7 | 1.2 | 3.1 | 0 | 5 | 0 | 0.4 | 0.8 | 0.1 | 1.3 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 35023 | 54 | 3215 | 380 | 38673 | 273 | 493 | 1290 | 15 | 2071 | 0 | 1 | 3 | 1 | 5 | 41285 | x | x |
| | sample | 1465 | 3 | 131 | 13 | 1612 | 12 | 20 | 34 | 2 | 68 | 0 | 1 | 19 | 3 | 23 | 1703 | x | x |

| Table 49: Percentage distribution of households by type of dwelling and tenurial status of the dwelling for each type of struture | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------------------|---------------|--------|--------|-----------------------------|-------|---------------|--------|-----------------------------|------|-------|---------------|-----|--------|-----|------------------|--------|------|
| Kerala | | | | | | | | | | Rural + Urban | | | | | | | | | |
| type of structure | | type of dwelling | | | | | | | | | | | | | | | no of households | | |
| | | independent house | | | | flat | | | | others | | | | all | | | | | |
| | | tenurial status of dwelling | | | | tenurial status of dwelling | | | | tenurial status of dwelling | | | | | | | | | |
| | | owned | hired | | others | all | owned | hired | | others | all | owned | hired | | others | all | | | |
| | | | empl. Quarter | others | | | | empl. Quarter | others | | | | empl. Quarter | | | | others | | |
| | | | | | | | | | | | | | | | | | estd.(00) | sample | |
| | | | | | | | | | | | | | | | | | all | all | |
| pucca | | 89.3 | 0 | 6 | 0.7 | 96.1 | 0.3 | 0.7 | 1.9 | 0 | 2.9 | 0 | 0.2 | 0.5 | 0.4 | 1.1 | 100 | 75122 | 3035 |
| semi-pucca | | 92.4 | 0.6 | 4.7 | 1 | 98.8 | 0.6 | 0 | 0 | 0 | 0.6 | 0 | 0.2 | 0.4 | 0 | 0.7 | 100 | 8361 | 309 |
| katcha | | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 284 | 11 |
| all | | 89.6 | 0.1 | 5.8 | 0.8 | 96.3 | 0.3 | 0.6 | 1.7 | 0 | 2.6 | 0 | 0.2 | 0.5 | 0.3 | 1 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 75096 | 81 | 4899 | 633 | 80709 | 274 | 493 | 1408 | 15 | 2190 | 0 | 2 | 4 | 3 | 9 | 83766 | x | x |
| | sample | 3016 | 4 | 189 | 29 | 3238 | 13 | 20 | 41 | 2 | 76 | 0 | 2 | 22 | 17 | 41 | 3355 | x | x |

Table 50: Average household size (0.0), average number (0.0) of living rooms & other rooms, average floor area (0.00 sq. metre) of the dwelling units of the households and percentage of households with good or satisfactory ventilation of dwelling units by different tenurial status and type of structure of the dwelling

| Kerala | | | | | | | | | | | | | | |
|---|--------------------|--------------------------|-------------|--|-------------|----------|-----------------|-------------------|------------|-------|---|--------------|----------------------|--------|
| Rural | | | | | | | | | | | | | | |
| tenurial status and type of structure of dwelling | avg. hh size (0.0) | average number (0.00) of | | average floor area (0.00sq. metre) of the dwelling | | | | | | | percentage of households with good/satisfactory ventilation of dwelling units | | number of households | |
| | | living rooms | other rooms | living rooms | other rooms | all room | covered veranda | uncovered veranda | an veranda | all | good | satisfactory | estd. (00) | sample |
| owned dwelling: | | | | | | | | | | | | | | |
| pucca | 4 | 3.96 | 2.94 | 56.34 | 24.75 | 81.1 | 2.12 | 5.73 | 7.86 | 88.95 | 71.4 | 26.5 | 35756 | 1396 |
| semi-pucca | 3.8 | 3.26 | 2.37 | 42.5 | 19.56 | 62.1 | 1.39 | 4.89 | 6.28 | 68.34 | 50 | 37.7 | 4136 | 150 |
| katcha | 3 | 2.15 | 1.38 | 22.16 | 8.9 | 31.1 | 0 | 2.13 | 2.13 | 33.19 | 0 | 41.5 | 182 | 6 |
| all | 3.9 | 3.88 | 2.87 | 54.75 | 24.15 | 78.9 | 2.04 | 5.63 | 7.67 | 86.57 | 68.8 | 27.7 | 40074 | 1552 |
| hired dwelling: | | | | | | | | | | | | | | |
| pucca | 3.3 | 2.72 | 2.47 | 37.72 | 18.95 | 56.7 | 2.31 | 3.15 | 5.45 | 62.12 | 36.3 | 56.9 | 1665 | 60 |
| semi-pucca | 4.1 | 3.78 | 2.01 | 46.55 | 15.92 | 62.5 | 0.86 | 4.01 | 4.87 | 67.33 | 37.4 | 62.6 | 259 | 10 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 3.4 | 2.86 | 2.41 | 38.91 | 18.54 | 57.5 | 2.11 | 3.26 | 5.37 | 62.82 | 36.5 | 57.7 | 1924 | 70 |
| other type of dwelling: | | | | | | | | | | | | | | |
| pucca | 3.4 | 3.24 | 1.88 | 43.72 | 13.21 | 56.9 | 0.37 | 1.47 | 1.85 | 58.77 | 32.6 | 51.3 | 444 | 28 |
| semi-pucca | 2.8 | 1 | 1.09 | 13.52 | 13.01 | 26.5 | 0 | 0.08 | 0.08 | 26.62 | 0 | 100 | 39 | 2 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 3.3 | 3.06 | 1.82 | 41.27 | 13.19 | 54.5 | 0.34 | 1.36 | 1.7 | 56.17 | 29.9 | 55.3 | 483 | 30 |
| all dwelling: | | | | | | | | | | | | | | |
| pucca | 3.9 | 3.9 | 2.9 | 55.37 | 24.36 | 79.7 | 2.11 | 5.57 | 7.68 | 87.41 | 69.4 | 28.1 | 37865 | 1484 |
| semi-pucca | 3.8 | 3.27 | 2.34 | 42.48 | 19.29 | 61.8 | 1.35 | 4.8 | 6.15 | 67.91 | 48.8 | 39.7 | 4434 | 162 |
| katcha | 3 | 2.15 | 1.38 | 22.16 | 8.9 | 31.1 | 0 | 2.13 | 2.13 | 33.19 | 0 | 41.5 | 182 | 6 |
| all | 3.9 | 3.83 | 2.84 | 53.88 | 23.77 | 77.7 | 2.02 | 5.47 | 7.5 | 85.15 | 66.9 | 29.4 | 42481 | 1652 |
| estimated no. (00) of rooms | | 162596 | 120505 | X | X | X | X | X | X | X | X | X | X | X |
| sample no. of rooms | | 6316 | 4803 | X | X | X | X | X | X | X | X | X | X | X |

Table 50: Average household size (0.0), average number (0.0) of living rooms & other rooms, average floor area (0.00 sq. metre) of the dwelling units of the households and percentage of households with good or satisfactory ventilation of dwelling units by different tenurial status and type of structure of the dwelling

| Kerala | | | | | | | | | | | | | | |
|---|--------------------|--------------------------|-------------|--|-------------|----------|-----------------|-------------------|-------------|-------|---|--------------|----------------------|--------|
| Urban | | | | | | | | | | | | | | |
| tenurial status and type of structure of dwelling | avg. hh size (0.0) | average number (0.00) of | | average floor area (0.00sq. metre) of the dwelling | | | | | | | percentage of households with good/satisfactory ventilation of dwelling units | | number of households | |
| | | living rooms | other rooms | living rooms | other rooms | all room | covered veranda | uncovered veranda | air veranda | all | good | satisfactory | estd. (00) | sample |
| owned dwelling: | | | | | | | | | | | | | | |
| pucca | 3.9 | 4.2 | 3.61 | 60.54 | 30.24 | 90.8 | 2.72 | 6.98 | 9.7 | 100.5 | 79.6 | 19 | 31552 | 1338 |
| semi-pucca | 3.7 | 4.11 | 3.29 | 60.39 | 26.83 | 87.2 | 1.69 | 5.13 | 6.81 | 94.03 | 74.8 | 18.4 | 3641 | 134 |
| katcha | 3.9 | 1.8 | 1.27 | 25.59 | 9.14 | 34.7 | 2.74 | 15.93 | 18.67 | 53.4 | 26.4 | 0 | 102 | 5 |
| all | 3.9 | 4.19 | 3.57 | 60.42 | 29.83 | 90.3 | 2.61 | 6.82 | 9.43 | 99.69 | 79 | 18.9 | 35296 | 1477 |
| hired dwelling: | | | | | | | | | | | | | | |
| pucca | 3 | 2.74 | 2.71 | 36.27 | 20.35 | 56.6 | 1.04 | 2.78 | 3.82 | 60.45 | 70.7 | 27.2 | 5295 | 197 |
| semi-pucca | 4.2 | 3.25 | 2.61 | 34.74 | 19.06 | 53.8 | 2.67 | 0.85 | 3.52 | 57.33 | 89.8 | 0 | 241 | 11 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 3.1 | 2.77 | 2.71 | 36.21 | 20.3 | 56.5 | 1.11 | 2.69 | 3.81 | 60.31 | 71.6 | 26 | 5536 | 208 |
| other type of dwelling: | | | | | | | | | | | | | | |
| pucca | 2.3 | 3.11 | 2.18 | 34.73 | 14.51 | 49.2 | 0.62 | 1.68 | 2.3 | 51.53 | 59.5 | 40.5 | 409 | 16 |
| semi-pucca | 3.5 | 3 | 3.25 | 38.3 | 20.89 | 59.2 | 3.48 | 3.49 | 6.96 | 66.16 | 37.4 | 62.6 | 44 | 2 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 2.4 | 3.1 | 2.29 | 35.07 | 15.13 | 50.2 | 0.9 | 1.85 | 2.75 | 52.96 | 57.4 | 42.6 | 453 | 18 |
| all dwelling: | | | | | | | | | | | | | | |
| pucca | 3.8 | 3.98 | 3.47 | 56.81 | 28.67 | 85.5 | 2.46 | 6.33 | 8.78 | 94.26 | 78.2 | 20.4 | 37257 | 1551 |
| semi-pucca | 3.8 | 4.04 | 3.24 | 58.57 | 26.29 | 84.9 | 1.77 | 4.85 | 6.61 | 91.46 | 75.3 | 17.8 | 3926 | 147 |
| katcha | 3.9 | 1.8 | 1.27 | 25.59 | 9.14 | 34.7 | 2.74 | 15.93 | 18.67 | 53.4 | 26.4 | 0 | 102 | 5 |
| all | 3.8 | 3.98 | 3.44 | 56.9 | 28.39 | 85.3 | 2.39 | 6.21 | 8.6 | 93.89 | 77.8 | 20.1 | 41285 | 1703 |
| estimated no. (00) of rooms | | 164481 | 142141 | X | X | X | X | X | X | X | X | X | X | X |
| sample no. of rooms | | 6767 | 5787 | X | X | X | X | X | X | X | X | X | X | X |

Table 50: Average household size (0.0), average number (0.0) of living rooms & other rooms, average floor area (0.00 sq. metre) of the dwelling units of the households and percentage of households with good or satisfactory ventilation of dwelling units by different tenurial status and type of structure of the dwelling

| Kerala | | | | | | | | | | | | | | |
|---|--------------------|--------------------------|-------------|--|-------------|----------|-----------------|-------------------|-------------|-------|---|--------------|----------------------|--------|
| Rural + Urban | | | | | | | | | | | | | | |
| tenurial status and type of structure of dwelling | avg. hh size (0.0) | average number (0.00) of | | average floor area (0.00sq. metre) of the dwelling | | | | | | | percentage of households with good/satisfactory ventilation of dwelling units | | number of households | |
| | | living rooms | other rooms | living rooms | other rooms | all room | covered veranda | uncovered veranda | air veranda | all | good | satisfactory | estd. (00) | sample |
| owned dwelling: | | | | | | | | | | | | | | |
| pucca | 3.9 | 4.08 | 3.25 | 58.31 | 27.33 | 85.6 | 2.4 | 6.32 | 8.72 | 94.36 | 75.3 | 23 | 67308 | 2734 |
| semi-pucca | 3.8 | 3.66 | 2.8 | 50.88 | 22.96 | 73.8 | 1.53 | 5 | 6.53 | 80.37 | 61.6 | 28.7 | 7777 | 284 |
| katcha | 3.3 | 2.02 | 1.34 | 23.39 | 8.99 | 32.4 | 0.99 | 7.1 | 8.09 | 40.47 | 9.5 | 26.5 | 284 | 11 |
| all | 3.9 | 4.03 | 3.2 | 57.41 | 26.81 | 84.2 | 2.31 | 6.19 | 8.49 | 92.71 | 73.6 | 23.6 | 75370 | 3029 |
| hired dwelling: | | | | | | | | | | | | | | |
| pucca | 3.1 | 2.74 | 2.65 | 36.62 | 20.02 | 56.6 | 1.34 | 2.87 | 4.21 | 60.85 | 62.5 | 34.3 | 6960 | 257 |
| semi-pucca | 4.2 | 3.53 | 2.3 | 40.86 | 17.43 | 58.3 | 1.73 | 2.48 | 4.22 | 62.51 | 62.7 | 32.4 | 500 | 21 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 3.2 | 2.79 | 2.63 | 36.91 | 19.84 | 56.8 | 1.37 | 2.84 | 4.21 | 60.96 | 62.5 | 34.2 | 7460 | 278 |
| other type of dwelling: | | | | | | | | | | | | | | |
| pucca | 2.8 | 3.18 | 2.03 | 39.41 | 13.83 | 53.2 | 0.49 | 1.57 | 2.06 | 55.3 | 45.5 | 46.1 | 853 | 44 |
| semi-pucca | 3.2 | 2.06 | 2.23 | 26.64 | 17.19 | 43.8 | 1.84 | 1.89 | 3.73 | 47.56 | 19.8 | 80.2 | 83 | 4 |
| katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 2.9 | 3.08 | 2.04 | 38.27 | 14.13 | 52.4 | 0.61 | 1.6 | 2.21 | 54.61 | 43.2 | 49.2 | 936 | 48 |
| all dwelling: | | | | | | | | | | | | | | |
| pucca | 3.8 | 3.94 | 3.18 | 56.08 | 26.5 | 82.6 | 2.28 | 5.95 | 8.23 | 90.81 | 73.7 | 24.3 | 75122 | 3035 |
| semi-pucca | 3.8 | 3.63 | 2.76 | 50.03 | 22.57 | 72.6 | 1.55 | 4.82 | 6.37 | 78.97 | 61.2 | 29.4 | 8361 | 309 |
| katcha | 3.3 | 2.02 | 1.34 | 23.39 | 8.99 | 32.4 | 0.99 | 7.1 | 8.09 | 40.47 | 9.5 | 26.5 | 284 | 11 |
| all | 3.8 | 3.9 | 3.14 | 55.37 | 26.05 | 81.4 | 2.21 | 5.84 | 8.04 | 89.46 | 72.3 | 24.8 | 83766 | 3355 |
| estimated no. (00) of rooms | | 327078 | 262646 | X | X | X | X | X | X | X | X | X | X | X |
| sample no. of rooms | | 13083 | 10590 | X | X | X | X | X | X | X | X | X | X | X |

| Table 51: Average household size (0.0), average number (0.0) of married couples per household and percentage distribution of households by number of married couple, separately for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|-----------------------------|---|---|-------|-------|-------|------|--------------|----------------------|-----------|--------|
| Kerala | | | | | | Rural | | | | | | |
| quintile class on UMPCE | | average household size(0.0) | average number of married couple per household(0.0) | percentage distribution of households by number of married couples in the household | | | | | | numner of households | | |
| | | | | zero | one | two | three | four | five or more | all | estd.(00) | sample |
| | | | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| 0-20 | | 4.6 | 1.1 | 13.7 | 63.6 | 19.3 | 2.9 | 0.5 | 0 | 100 | 7240 | 271 |
| 20-40 | | 4.2 | 1 | 19.3 | 65.7 | 14.4 | 0.6 | 0 | 0 | 100 | 7907 | 326 |
| 40-60 | | 4 | 1 | 16.5 | 69.3 | 12.9 | 1.3 | 0 | 0 | 100 | 8183 | 326 |
| 60-80 | | 3.6 | 0.9 | 19 | 71.9 | 9 | 0 | 0 | 0 | 100 | 9095 | 335 |
| 80-100 | | 3.3 | 0.8 | 27.2 | 64.9 | 7.9 | 0 | 0 | 0 | 100 | 10057 | 394 |
| all | | 3.9 | 0.9 | 19.6 | 67.2 | 12.3 | 0.9 | 0.1 | 0 | 100 | 42481 | 1652 |
| no. of | estd (00) | | | 8336 | 28536 | 5209 | 366 | 34 | 0 | 42481 | X | X |
| households | sample | | | 318 | 1106 | 208 | 18 | 2 | 0 | 1652 | X | X |

| Table 51: Average household size (0.0), average number (0.0) of married couples per household and percentage distribution of households by number of married couple, separately for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|-----------------------------|---|---|-------|-------|-------|------|--------------|----------------------|-----------|--------|
| Kerala | | | | | | Urban | | | | | | |
| quintile class on UMPCE | | average household size(0.0) | average number of married couple per household(0.0) | percentage distribution of households by number of married couples in the household | | | | | | numner of households | | |
| | | | | zero | one | two | three | four | five or more | all | estd.(00) | sample |
| | | | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| 0-20 | | 4.9 | 1 | 22.2 | 60.2 | 14.7 | 1.3 | 1.6 | 0 | 100 | 2984 | 123 |
| 20-40 | | 3.9 | 0.8 | 31 | 57.4 | 8.7 | 3 | 0 | 0 | 100 | 3008 | 138 |
| 40-60 | | 4 | 1 | 18 | 71.3 | 7.7 | 3 | 0 | 0 | 100 | 2790 | 127 |
| 60-80 | | 4 | 0.9 | 16.2 | 73.6 | 9.1 | 1 | 0 | 0 | 100 | 2236 | 79 |
| 80-100 | | 3.6 | 0.9 | 23.1 | 66.3 | 9.6 | 1 | 0 | 0 | 100 | 30266 | 1236 |
| all | | 3.8 | 0.9 | 22.9 | 65.9 | 9.8 | 1.3 | 0.1 | 0 | 100 | 41285 | 1703 |
| no. of | estd (00) | | | 9452 | 27219 | 4026 | 541 | 49 | 0 | 41285 | X | X |
| households | sample | | | 378 | 1136 | 162 | 24 | 3 | 0 | 1703 | X | X |

| Table 51: Average household size (0.0), average number (0.0) of married couples per household and percentage distribution of households by number of married couple, separately for each quintile class on UMPCE | | | | | | | | | | | | |
|--|-----------|-----------------------------|---|---|-------|------|-------|------|--------------|----------------------|-----------|--------|
| Kerala | | | | Rural + Urban | | | | | | | | |
| quintile class on UMPCE | | average household size(0.0) | average number of married couple per household(0.0) | percentage distribution of households by number of married couples in the household | | | | | | numner of households | | |
| | | | | zero | one | two | three | four | five or more | all | estd.(00) | sample |
| | | | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 13 |
| 0-20 | | 4.7 | 1.1 | 16.2 | 62.6 | 18 | 2.4 | 0.8 | 0 | 100 | 10224 | 394 |
| 20-40 | | 4.1 | 0.9 | 22.5 | 63.4 | 12.9 | 1.2 | 0 | 0 | 100 | 10915 | 464 |
| 40-60 | | 4 | 1 | 16.9 | 69.8 | 11.6 | 1.8 | 0 | 0 | 100 | 10973 | 453 |
| 60-80 | | 3.7 | 0.9 | 18.5 | 72.3 | 9 | 0.2 | 0 | 0 | 100 | 11331 | 414 |
| 80-100 | | 3.5 | 0.9 | 24.1 | 65.9 | 9.2 | 0.8 | 0 | 0 | 100 | 40323 | 1630 |
| all | | 3.8 | 0.9 | 21.2 | 66.6 | 11 | 1.1 | 0.1 | 0 | 100 | 83766 | 3355 |
| no. of | estd (00) | | | 17787 | 55754 | 9235 | 907 | 83 | 0 | 83766 | X | X |
| households | sample | | | 696 | 2242 | 370 | 42 | 5 | 0 | 3355 | X | X |

| Table 52: Percentage of households by number of married couples not getting separate room for different number of married couples of the households for each quintile class on UMPCE | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|------|------|-----|-----|------|------|---|-----------|------|-----|----|---------------|-----------|-------|-----------|-------------------|--------|
| rural | | | | | | | | | | Kerala | | | | | | | | | |
| quintile class on UMPCE | | number of married couples in the household | | | | | | | | | | | | | | | | no. of households | |
| | | 1 | | 2 | | 3 | | | | 4 or more | | | | all household | | | | | |
| | | number of married couples not getting separate room | | | | | | | | | | | | | | | | | |
| | | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 4 or more | 0 | 1 or more | estd. (00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 0-20 | | 95.2 | 4.8 | 89.4 | 3.1 | 7.5 | 100 | 0 | 0 | 0 | 93.2 | 6.8 | 0 | 0 | 0 | 94 | 6 | 6248 | 233 |
| 20-40 | | 94.7 | 5.3 | 92.7 | 5.8 | 1.5 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94.4 | 5.6 | 6379 | 264 |
| 40-60 | | 96 | 4 | 92.2 | 4.2 | 3.6 | 63.5 | 36.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94.9 | 5.1 | 6831 | 268 |
| 60-80 | | 98.4 | 1.6 | 97 | 3 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.3 | 1.7 | 7365 | 271 |
| 80-100 | | 95.1 | 4.9 | 97.4 | 0.4 | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95.4 | 4.6 | 7323 | 298 |
| all | | 96 | 4 | 93.1 | 3.5 | 3.4 | 89.1 | 10.9 | 0 | 0 | 93.2 | 6.8 | 0 | 0 | 0 | 95.5 | 4.5 | 34145 | 1334 |
| no. of households | estd (00) | 27389 | 1146 | 4849 | 183 | 177 | 326 | 40 | 0 | 0 | 32 | 2 | 0 | 0 | 0 | 32597 | 1548 | X | X |
| | sample | 1055 | 51 | 189 | 12 | 7 | 17 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1262 | 72 | X | X |

Table 52: Percentage of households by number of married couples not getting separate room for different number of married couples of the households for each quintile class on UMPCE

| Urban | | | | | | | | | | Kerala | | | | | | | | | |
|-------------------------|-----------|---|------|------|------|-----|------|------|---|-----------|-----|----|----|---------------|-----------|-------|-----------|-------------------|--------|
| quintile class on UMPCE | | number of married couples in the household | | | | | | | | | | | | | | | | no. of households | |
| | | 1 | | 2 | | 3 | | | | 4 or more | | | | all household | | | | | |
| | | number of married couples not getting separate room | | | | | | | | | | | | | | | | | |
| | | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 4 or more | 0 | 1 or more | estd. (00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 0-20 | | 87.8 | 12.2 | 84.6 | 15.4 | 0 | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 87.7 | 12.3 | 2323 | 97 |
| 20-40 | | 87.2 | 12.8 | 82.4 | 11 | 6.6 | 73.2 | 26.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 14 | 2077 | 99 |
| 40-60 | | 91.7 | 8.3 | 100 | 0 | 0 | 70.4 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 | 0 | 91.7 | 8.3 | 2289 | 101 |
| 60-80 | | 86.4 | 13.6 | 100 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88.1 | 11.9 | 1873 | 67 |
| 80-100 | | 94.1 | 5.9 | 90.6 | 6.5 | 3 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.7 | 6.3 | 23272 | 961 |
| all | | 92.6 | 7.4 | 90.4 | 7.1 | 2.6 | 91 | 4.4 | 0 | 4.6 | 100 | 0 | 0 | 0 | 0 | 92.3 | 7.7 | 31834 | 1325 |
| no. of households | estd (00) | 25198 | 2020 | 3638 | 284 | 104 | 492 | 24 | 0 | 25 | 49 | 0 | 0 | 0 | 0 | 29377 | 2457 | X | X |
| | sample | 1061 | 75 | 145 | 11 | 6 | 22 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 1231 | 94 | X | X |

| Table 52: Percentage of households by number of married couples not getting separate room for different number of married couples of the households for each quintile class on UMPCE | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|------|------|-----|-----|------|------|-----------|--------|------|-----|---------------|----|-----------|-------|-----------|-------------------|--------|
| Rural + Urban | | | | | | | | | | Kerala | | | | | | | | | |
| quintile class on UMPCE | | number of married couples in the household | | | | | | | | | | | | | | | | no. of households | |
| | | 1 | | 2 | | 3 | | | 4 or more | | | | all household | | | | | | |
| | | number of married couples not getting separate room | | | | | | | | | | | | | | | | | |
| | | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 | 4 or more | 0 | 1 or more | estd. (00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 0-20 | | 93.1 | 6.9 | 88.2 | 6.1 | 5.7 | 100 | 0 | 0 | 0 | 97.2 | 2.8 | 0 | 0 | 0 | 92.3 | 7.7 | 8571 | 330 |
| 20-40 | | 92.8 | 7.2 | 90.8 | 6.8 | 2.4 | 82.2 | 17.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92.3 | 7.7 | 8456 | 363 |
| 40-60 | | 94.9 | 5.1 | 93.5 | 3.5 | 3 | 66.5 | 20.7 | 0 | 12.8 | 0 | 0 | 0 | 0 | 0 | 94.1 | 5.9 | 9120 | 369 |
| 60-80 | | 96 | 4 | 97.6 | 2.4 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96.2 | 3.8 | 9238 | 338 |
| 80-100 | | 94.3 | 5.7 | 92 | 5.2 | 2.8 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94.1 | 5.9 | 30595 | 1259 |
| all | | 94.3 | 5.7 | 91.9 | 5.1 | 3 | 90.2 | 7 | 0 | 2.7 | 97.2 | 2.8 | 0 | 0 | 0 | 93.9 | 6.1 | 65979 | 2659 |
| no. of households | estd (00) | 52588 | 3167 | 8487 | 467 | 281 | 818 | 64 | 0 | 25 | 81 | 2 | 0 | 0 | 0 | 61974 | 4005 | X | X |
| | sample | 2116 | 126 | 334 | 23 | 13 | 39 | 2 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 2493 | 166 | X | X |

| Table 53: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs.) paid per household for different floor area for each type of structure | | | | | | | | | | | | | | | |
|---|---------------------------------|---|-------|-------|------------|------|---|--------|--------|------------|--------|-------------|--------|--------------------------|--------|
| | | | | | | | | | | | | | | | |
| Kerala | | | | | | | | Rural | | | | | | | |
| type of structure | percentage distn. of households | percentage distribution of households by floor area (sq. m.) of the dwelling unit | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| pucca | 86.5 | 9.8 | 38.8 | 24.1 | 27.3 | 100 | 1143.6 | 2126.3 | 2536.6 | 3802.5 | 2586.9 | 1665 | 60 | 1665 | 60 |
| semi-pucca | 13.5 | 0 | 31.3 | 38 | 30.7 | 100 | 0 | 1669 | 3089.7 | 1277 | 2087.9 | 259 | 10 | 259 | 10 |
| serviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unserviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 8.5 | 37.8 | 26 | 27.8 | 100 | 1143.6 | 2075.3 | 2645.5 | 3426.4 | 2519.8 | 1924 | 70 | 1924 | 70 |
| estd. (00) no. of hhs. | 1924 | 163 | 727 | 499 | 534 | 1924 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 70 | 6 | 21 | 21 | 22 | 70 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent >0 | 1924 | 163 | 727 | 499 | 534 | 1924 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent >0 | 70 | 6 | 21 | 21 | 22 | 70 | X | X | X | X | X | X | X | X | X |

| Table 53: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs.) paid per household for different floor area for each type of structure | | | | | | | | | | | | | | | |
|---|---------------------------------|---|-------|-------|------------|------|---|--------|--------|------------|--------|-------------|--------|--------------------------|--------|
| Kerala | | | | | | | | Urban | | | | | | | |
| type of structure | percentage distn. of households | percentage distribution of households by floor area (sq. m.) of the dwelling unit | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| pucca | 95.6 | 21.4 | 18.5 | 30.9 | 29.1 | 100 | 1476.9 | 3692.4 | 4271.8 | 6095.3 | 4086.7 | 5295 | 197 | 5249 | 195 |
| semi-pucca | 4.4 | 0 | 41.4 | 44.5 | 14.1 | 100 | 0 | 2759.6 | 3205.3 | 4283.7 | 3172.9 | 241 | 11 | 241 | 11 |
| serviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unserviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 20.5 | 19.5 | 31.5 | 28.5 | 100 | 1476.9 | 3606.2 | 4205.5 | 6055.6 | 4046.6 | 5536 | 208 | 5490 | 206 |
| estd. (00) no. of hhs. | 5536 | 1134 | 1081 | 1744 | 1577 | 5536 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 208 | 30 | 43 | 78 | 57 | 208 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent >0 | 5490 | 1134 | 1081 | 1723 | 1551 | 5490 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent >0 | 206 | 30 | 43 | 77 | 56 | 206 | X | X | X | X | X | X | X | X | X |

| Table 53: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs.) paid per household for different floor area for each type of structure | | | | | | | | | | | | | | | |
|---|---------------------------------|---|-------|-------|------------|------|---|--------|--------|------------|--------|-------------|--------|--------------------------|--------|
| Kerala | | | | | | | Rural + Urban | | | | | | | | |
| type of structure | percentage distn. of households | percentage distribution of households by floor area (sq. m.) of the dwelling unit | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| pucca | 93.3 | 18.6 | 23.4 | 29.3 | 28.7 | 100 | 1435.1 | 3070.7 | 3926.8 | 5566.4 | 3725.5 | 6960 | 257 | 6913 | 255 |
| semi-pucca | 6.7 | 0 | 36.2 | 41.1 | 22.7 | 100 | 0 | 2271.1 | 3150 | 2177.7 | 2611.1 | 500 | 21 | 500 | 21 |
| serviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unserviceable katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all katcha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 17.4 | 24.2 | 30.1 | 28.3 | 100 | 1435.1 | 2990.7 | 3855 | 5381.8 | 3650.4 | 7460 | 278 | 7413 | 276 |
| estd. (00) no. of hhs. | 7460 | 1297 | 1808 | 2244 | 2111 | 7460 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 278 | 36 | 64 | 99 | 79 | 278 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent >0 | 7413 | 1297 | 1808 | 2223 | 2086 | 7413 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent >0 | 276 | 36 | 64 | 98 | 78 | 276 | X | X | X | X | X | X | X | X | X |

Table 54: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs) paid per household for different floor area for each type of structure

| Kerala | | | | | | | Rural | | | | | | | | |
|--|---------------------------------|---------------------------------------|-------|-------|------------|------|---|-------|-------|------------|------|-------------|--------|--------------------------|--------|
| type of hired accommodation | percentage distn. of households | percentage distribution of households | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| 1.employer quarter | 2.4 | 0 | 43.7 | 56.3 | 0 | 100 | 0 | 1700 | 3000 | 0 | 2432 | 47 | 2 | 47 | 2 |
| 2.other hired accommodation | | | | | | | | | | | | | | | |
| 2.1 hired accommodation with written contract | 70.3 | 4.2 | 40.6 | 30.9 | 24.3 | 100 | 1735 | 2186 | 2701 | 4159 | 2806 | 1353 | 48 | 1353 | 48 |
| 2.2 hired accommodation without written contract | 27.2 | 20.3 | 30 | 10.4 | 39.3 | 100 | 829.6 | 1738 | 2044 | 2257 | 1789 | 524 | 20 | 524 | 20 |
| 3. all hired accommodation (1 & 2) | 100 | 8.5 | 37.8 | 26 | 27.8 | 100 | 1144 | 2075 | 2646 | 3426 | 2520 | 1924 | 70 | 1924 | 70 |
| estd. (00) no. of hhs. | 1924 | 163 | 727 | 499 | 534 | 1924 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 70 | 6 | 21 | 21 | 22 | 70 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent>0 | 1924 | 163 | 727 | 499 | 534 | 1924 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent>0 | 70 | 6 | 21 | 21 | 22 | 70 | X | X | X | X | X | X | X | X | X |

Table 54: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs) paid per household for different floor area for each type of structure

| Kerala | | | | | | | Urban | | | | | | | | |
|--|---------------------------------|---------------------------------------|-------|-------|------------|------|---|-------|-------|------------|------|-------------|--------|--------------------------|--------|
| type of hired accommodation | percentage distn. of households | percentage distribution of households | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| 1.employer quarter | 12.5 | 39.2 | 50.2 | 0.6 | 9.9 | 100 | 1334 | 3214 | 1500 | 2800 | 2425 | 693 | 24 | 693 | 24 |
| 2.other hired accommodation | | | | | | | | | | | | | | | |
| 2.1 hired accommodation with written contract | 68.6 | 8.6 | 18.2 | 38.7 | 34.5 | 100 | 1668 | 3847 | 4329 | 6401 | 4728 | 3799 | 150 | 3799 | 150 |
| 2.2 hired accommodation without written contract | 18.9 | 51.3 | 3.9 | 26 | 18.8 | 100 | 1433 | 2859 | 3533 | 4705 | 2578 | 1044 | 34 | 998 | 32 |
| 3. all hired accommodation (1 & 2) | 100 | 20.5 | 19.5 | 31.5 | 28.5 | 100 | 1477 | 3606 | 4206 | 6056 | 4047 | 5536 | 208 | 5490 | 206 |
| estd. (00) no. of hhs. | 5536 | 1134 | 1081 | 1744 | 1577 | 5536 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 208 | 30 | 43 | 78 | 57 | 208 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent>0 | 5490 | 1134 | 1081 | 1723 | 1551 | 5490 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent>0 | 206 | 30 | 43 | 77 | 56 | 206 | X | X | X | X | X | X | X | X | X |

Table 54: Percentage distribution of households by floor area of the dwelling unit and average rent (in Rs) paid per household for different floor area for each type of structure

| Kerala | | Rural + Urban | | | | | | | | | | | | | |
|--|---------------------------------|---------------------------------------|-------|-------|------------|------|---|-------|-------|------------|------|-------------|--------|--------------------------|--------|
| type of hired accommodation | percentage distn. of households | percentage distribution of households | | | | | average rent (Rs.) paid per household with floor area (sq. meter) | | | | | no. of hhs. | | no. of hhs. with rent >0 | |
| | | less than 25 | 25-50 | 50-75 | 75 or more | all | less than 25 | 25-50 | 50-75 | 75 or more | all | estd. (00) | sample | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| 1.employer quarter | 9.9 | 36.7 | 49.8 | 4.2 | 9.2 | 100 | 1334 | 3130 | 2784 | 2800 | 2425 | 740 | 26 | 740 | 26 |
| 2.other hired accommodation | | | | | | | | | | | | | | | |
| 2.1 hired accommodation with written contract | 69.1 | 7.4 | 24.1 | 36.6 | 31.8 | 100 | 1678 | 3112 | 3968 | 5952 | 4224 | 5151 | 198 | 5151 | 198 |
| 2.2 hired accommodation without written contract | 21 | 41 | 12.6 | 20.8 | 25.7 | 100 | 1333 | 1966 | 3266 | 3366 | 2306 | 1568 | 54 | 1522 | 52 |
| 3. all hired accommodation (1 & 2) | 100 | 17.4 | 24.2 | 30.1 | 28.3 | 100 | 1435 | 2991 | 3855 | 5382 | 3650 | 7460 | 278 | 7413 | 276 |
| estd. (00) no. of hhs. | 7460 | 1297 | 1808 | 2244 | 2111 | 7460 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. | 278 | 36 | 64 | 99 | 79 | 278 | X | X | X | X | X | X | X | X | X |
| estd. (00) no. of hhs. with rent>0 | 7413 | 1297 | 1808 | 2223 | 2086 | 7413 | X | X | X | X | X | X | X | X | X |
| sample no. of hhs. with rent>0 | 276 | 36 | 64 | 98 | 78 | 276 | X | X | X | X | X | X | X | X | X |

| Table 55: Percentage distribution of households by type of fuel used for cooking for each quintile class on UMPCE | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------------------------|-------|-------------------|-----------|----------|-----------|-----------|--------------|-----------|-------------|--------------|------------------------|-----|---------------------|-----------|--------|
| Kerala | | | | | | | | | | Rural | | | | | | | |
| quintile class on UMPCE | | type of the fuel used for cooking | | | | | | | | | | | no cooking arrangement | all | numer of households | | |
| | | firewood, chips&crop residue | LPG | other natural gas | dung cake | kerosene | coke/coal | gobar gas | other biogas | char-coal | elcetricity | solar cooker | | | others | estd.(00) | sample |
| | | | | | | | | | | | | | | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 0-20 | | 60.6 | 38.7 | 0 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 7240 | 271 |
| 20-40 | | 55.1 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0.5 | 100 | 7907 | 326 |
| 40-60 | | 51.8 | 47.2 | 0 | 0 | 0.3 | 0 | 0 | 0.3 | 0 | 0.4 | 0 | 0 | 0 | 100 | 8183 | 326 |
| 60-80 | | 39.8 | 57.5 | 0 | 0 | 0.4 | 0 | 0.1 | 0.3 | 0 | 0 | 0 | 0 | 1.9 | 100 | 9095 | 335 |
| 80-100 | | 23.7 | 75 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 0 | 0 | 0.3 | 100 | 10057 | 394 |
| all | | 44.7 | 54 | 0 | 0 | 0.3 | 0 | 0 | 0.3 | 0.1 | 0.1 | 0 | 0 | 0.6 | 100 | 42481 | 1652 |
| no. of households | estd (00) | 18977 | 22922 | 0 | 0 | 109 | 0 | 14 | 145 | 30 | 34 | 0 | 0 | 251 | 42481 | x | x |
| | sample | 719 | 912 | 0 | 0 | 4 | 0 | 3 | 5 | 1 | 1 | 0 | 0 | 7 | 1652 | x | x |

| Table 55: Percentage distribution of households by type of fuel used for cooking for each quintile class on UMPCE | | | | | | | | | | | | | | | | |
|---|-----------------------------------|------|-------------------|-----------|----------|-----------|-----------|--------------|-----------|-------------|--------------|--------|------------------------|-----|---------------------|--------|
| Kerala | | | | | | | | | | Urban | | | | | | |
| quintile class on UMPCE | type of the fuel used for cooking | | | | | | | | | | | | no cooking arrangement | all | numer of households | |
| | firewood, chips&crop residue | LPG | other natural gas | dung cake | kerosene | coke/coal | gobar gas | other biogas | char-coal | elcetricity | solar cooker | others | | | estd.(00) | sample |
| | | | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 0-20 | 48.1 | 51.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2984 | 123 |
| 20-40 | 45.2 | 46.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0 | 7.5 | 100 | 3008 | 138 |
| 40-60 | 28.5 | 71.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2790 | 127 |
| 60-80 | 13.8 | 86.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 2236 | 79 |
| 80-100 | 17.3 | 80.7 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0 | 0.1 | 1.4 | 100 | 30266 | 1236 |
| all | 22.1 | 75.8 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0.2 | 0 | 0.1 | 1.6 | 100 | 41285 | 1703 |
| no. of households | estd (00) | 9136 | 31302 | 39 | 0 | 0 | 34 | 31 | 0 | 0 | 65 | 0 | 30 | 649 | 41285 | x |
| | sample | 402 | 1273 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 4 | 0 | 2 | 18 | 1703 | x |

| Table 55: Percentage distribution of households by type of fuel used for cooking for each quintile class on UMPCE | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-------|-------------------|-----------|----------|-----------|-----------|--------------|-----------|---------------|--------------|--------|------------------------|-----|---------------------|--------|
| Kerala | | | | | | | | | | Rural + Urban | | | | | | |
| quintile class on UMPCE | type of the fuel used for cooking | | | | | | | | | | | | no cooking arrangement | all | numer of households | |
| | firewood, chips&crop residue | LPG | other natural gas | dung cake | kerosene | coke/coal | gobar gas | other biogas | char-coal | elcetricity | solar cooker | others | | | estd.(00) | sample |
| | | | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 0-20 | 56.9 | 42.6 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 10224 | 394 |
| 20-40 | 52.4 | 44.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.2 | 0 | 0 | 2.4 | 100 | 10915 | 464 |
| 40-60 | 45.9 | 53.4 | 0 | 0 | 0.2 | 0 | 0 | 0.2 | 0 | 0.3 | 0 | 0 | 0 | 100 | 10973 | 453 |
| 60-80 | 34.7 | 63.2 | 0 | 0 | 0.3 | 0 | 0.1 | 0.2 | 0 | 0 | 0 | 0 | 1.5 | 100 | 11331 | 414 |
| 80-100 | 18.9 | 79.3 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.2 | 0 | 0.1 | 0 | 0.1 | 1.1 | 100 | 40323 | 1630 |
| all | 33.6 | 64.7 | 0 | 0 | 0.1 | 0 | 0.1 | 0.2 | 0 | 0.1 | 0 | 0 | 1.1 | 100 | 83766 | 3355 |
| no. of households | estd (00) | 28113 | 54224 | 39 | 0 | 109 | 34 | 45 | 145 | 30 | 99 | 0 | 30 | 900 | 83766 | x |
| | sample | 1121 | 2185 | 1 | 0 | 4 | 2 | 4 | 5 | 1 | 5 | 0 | 2 | 25 | 3355 | x |

Table 56: Percentage distribution of households by duration of stay in the present area, estimated number of households reporting movement of persons into or from the household during the last 365 days and estimated number of persons who moved into or from the household during the last 365 days for each present area of the household

| Kerala | | | | | | | | | | | Urban | | | | | | | |
|-------------------------------|---|------|------|------|-------|-------|-------|------------|-----------|-----|---|----------------------|---|----------------------|--|----------------------|-----------|--------|
| present area of the household | percentage distribution of households by duration of stay in the present area (years) | | | | | | | | | | estd.(00) no.of households reporting movement of persons during last 365 days | | estd.(00) no.of of persons who moved during last 365 days | | sample no.of households reporting movement of persons during last 365 days | | no.of hhs | |
| | <1 | 1-2 | 2-5 | 5-10 | 10-20 | 20-40 | 40-60 | 60 or more | not known | all | into the household | out of the household | into the household | out of the household | into the household | out of the household | estd.(00) | sample |
| | | | | | | | | | | | | | | | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| notified slum | 0 | 0 | 0 | 0 | 0 | 45.1 | 28.5 | 26.4 | 0 | 100 | 0 | 59 | 0 | 88 | 0 | 2 | 111 | 4 |
| non-notified slum | 0 | 22.3 | 0 | 0 | 77.7 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 6 |
| squatter settlement | 11.8 | 0 | 0 | 0 | 9.8 | 58.7 | 11.8 | 7.9 | 0 | 100 | 0 | 5 | 0 | 5 | 0 | 1 | 252 | 12 |
| other areas | 4.8 | 4.8 | 7.8 | 12.7 | 19.2 | 23.1 | 18.1 | 9.3 | 0.2 | 100 | 1007 | 3296 | 1050 | 3882 | 48 | 142 | 40828 | 1681 |
| all 100 | 4.8 | 4.8 | 7.7 | 12.5 | 19.2 | 23.3 | 18.1 | 9.3 | 0.2 | 100 | 1007 | 3360 | 1050 | 3975 | 48 | 145 | 41285 | 1703 |
| no. of hhs. | estd. (00) | 1998 | 1996 | 3174 | 5174 | 7941 | 9635 | 7456 | 3838 | 75 | 41285 | X | X | X | X | X | X | X |
| | sample | 66 | 77 | 134 | 219 | 339 | 408 | 300 | 156 | 4 | 1703 | X | X | X | X | X | X | X |

| Table 57: Percentage distribution of households with duration of stay in the present area less than 1 year by place of residence before coming to the present area for each present area of the household | | | | | | | | | | |
|---|------------|--|--|---------------------------------|--|----------------------------------|---------|------|---------------------|--------|
| Kerala | | | | | Urban | | | | | |
| present area of the household | | percentage distribution of households by area type | place of residence before coming to the present area | | | | | | numer of households | |
| | | | slum/squatter settlement of the same town | in other areas of the same town | slum/squatter settlement of the other town | in other areas of the other town | village | all | estd.(00) | sample |
| | | | | | | | | | all | all |
| notified slum 100 Reference: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| non-notified slum | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| squatter settlement 100 | | 1.5 | 0 | 0 | 0 | 82.9 | 17.1 | 100 | 30 | 2 |
| other areas | | 98.5 | 3.5 | 44.3 | 2.6 | 39 | 10.6 | 100 | 1968 | 64 |
| all | | 100 | 3.4 | 43.7 | 2.6 | 39.7 | 10.6 | 100 | 1998 | 66 |
| no. of house-holds | estd. (00) | 1998 | 68 | 873 | 51 | 793 | 213 | 1998 | X | X |
| | sample | 66 | 2 | 33 | 2 | 21 | 8 | 66 | X | X |

Table 58: Percentage distribution of households with duration of stay in the present area less than 1 year by type of structure of the dwelling unit in the present area for different types of structure of the accommodation availed of by the household* before coming to the present area

| Kerala | | | | | | | | | | | | | | | urban | | | | | | | | | | | | | | |
|--|------------|---|------------|--------|-----|-------------------|------------|--------|------|-------|------------|--------|------|-------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| type of structure of the accommodation availed of by the household before coming to the present area | | present area of the household | | | | | | | | | | | | no. of households | | | | | | | | | | | | | | | |
| | | notified slum | | | | non-notified slum | | | | all | | | | estd (00) | sample | | | | | | | | | | | | | | |
| | | type of structures of the dwelling unit in the present area | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | pucca | semi-pucca | katcha | all | pucca | semi-pucca | katcha | all | pucca | semi-pucca | katcha | all | | | | | | | | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | | | | | | | | | | | | | | | |
| pucca | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 2 | 0 | 100 | 1706 | 53 | | | | | | | | | | | | | | |
| semi-pucca | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 100 | 274 | 12 | | | | | | | | | | | | | | |
| katcha | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 100 | 18 | 1 | | | | | | | | | | | | | | |
| no dwelling | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | |
| all | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.3 | 1.7 | 0 | 100 | 1998 | 66 | | | | | | | | | | | | | | |
| no. of households | estd. (00) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1964 | 34 | 0 | 1998 | X | X | | | | | | | | | | | | | | |
| | sample | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 2 | 0 | 66 | X | X | | | | | | | | | | | | | | |

| Table 59: Percentage distribution of households with duration of stay in the present area less than 1 year by reason for movement to the present area for each present area of the household | | | | | | | | | | |
|--|----------------------------------|---|---------------------------|----------------------------------|----------------------------|-----|--------|-------------------|--------|-----|
| Kerala | | | | | Urban | | | | | |
| present area of the household | | reason for movement to the present area | | | | | | no. of households | | |
| | | | | | | | | estd.(00) | sample | |
| | | free/low rent | independent accommodation | accommodation in better locality | employment related reasons | | others | all | all | all |
| proximity to place of work | other employment related reasons | | | | | | | | | |
| notified slum | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| non-notified slum | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| squatter settlement | | 0 | 0 | 0 | 100 | 0 | 0 | 100 | 30 | 2 |
| other areas | | 3.5 | 16.8 | 9.3 | 21.2 | 1 | 48.2 | 100 | 1968 | 64 |
| all | | 3.5 | 16.5 | 9.2 | 22.3 | 0.9 | 47.5 | 100 | 1998 | 66 |
| no. of households | estd. (00) | 69 | 330 | 184 | 446 | 19 | 949 | 1998 | X | X |
| | sample | 4 | 13 | 8 | 10 | 2 | 29 | 66 | X | X |

| Table 60: Percentage distribution of households by possession of documents pertaining to residence status in slum/squatter settlement and by type of benefits received as slum/squatter settlement dweller for each type of slum and squatter settlements and household social group | | | | | | | | | | | | | | | |
|--|-----------|---------------------------------------|-------------------------|---------------|----------|---|-------|------|---------------------------|-----------|-------|------|-------------------|-----------|--------|
| Kerala | | | | | | | | | | | | | | | |
| urban | | | | | | | | | | | | | | | |
| type of slum and squatter settlements/household social group | | percentage distribution of households | possession of documents | | | | | | type of benefits received | | | | no. of households | | |
| | | | ration card | voter ID card | passport | any combination of ration card / voter ID card/passport | other | none | all | allotment | other | no | all | estd.(00) | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| type of slum and squatter settlements | | | | | | | | | | | | | | | |
| notified slum | | 24.2 | 26.4 | 0 | 0 | 47.1 | 0 | 26.4 | 100 | 47.1 | 0 | 52.9 | 100 | 111 | 4 |
| non-notified slum | | 20.8 | 55.8 | 0 | 0 | 0 | 0 | 44.2 | 100 | 0 | 0 | 100 | 100 | 95 | 6 |
| squatter settlement | | 55 | 62.8 | 29.4 | 0 | 7.9 | 0 | 0 | 100 | 0 | 0 | 100 | 100 | 252 | 12 |
| all (slum & squatter | | 100 | 52.5 | 16.2 | 0 | 15.7 | 0 | 15.6 | 100 | 11.4 | 0 | 88.6 | 100 | 457 | 22 |
| household social group | | | | | | | | | | | | | | | |
| SC | | 13.9 | 50.3 | 0 | 0 | 49.7 | 0 | 0 | 100 | 49.7 | 0 | 50.3 | 100 | 63 | 2 |
| ST | | 3.4 | 32.6 | 0 | 0 | 0 | 0 | 67.4 | 100 | 0 | 0 | 100 | 100 | 16 | 2 |
| OBC | | 67.3 | 51.1 | 16 | 0 | 13.1 | 0 | 19.7 | 100 | 6.7 | 0 | 93.3 | 100 | 308 | 15 |
| Others | | 15.4 | 65 | 35 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 100 | 100 | 70 | 3 |
| all | | 100 | 52.5 | 16.2 | 0 | 15.7 | 0 | 15.6 | 100 | 11.4 | 0 | 88.6 | 100 | 457 | 22 |
| no. of house- holds | estd.(00) | | 240 | 74 | 0 | 72 | 0 | 71 | 457 | 52 | 0 | 405 | 457 | X | X |
| | sample | | 11 | 3 | 0 | 3 | 0 | 5 | 22 | 2 | 0 | 20 | 22 | X | X |

Table 61: Percentage of households having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each quintile class on UMPCE

| Kerala | | | | | | | | Rural | | | | | | | |
|-------------------------|-----------|--|--|---|--|--|---|--|-------------|----------------|----------------|-------------------|-------------|----------------------|--------|
| quintile class on UMPCE | | percentage of households | | | | | | estd. number of households (00) excluding n. r. for items of block 5 | | | | | | number of households | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1 & 5 | items 1, 4 & 5 | items 1, 2 & 5 | items 1, 2, 4 & 5 | items 1 & 7 | estd.(00) | sample |
| 0-20 | | 44.1 | 41.1 | 39.3 | 35 | 34.3 | 14.4 | 7240 | 7090 | 7090 | 7090 | 7090 | 1468 | 7240 | 271 |
| 20-40 | | 51.5 | 43.9 | 39.3 | 36.4 | 33 | 47.5 | 7907 | 7680 | 7680 | 7680 | 7680 | 1268 | 7907 | 326 |
| 40-60 | | 56.6 | 54.2 | 51.5 | 41.8 | 39.9 | 31.8 | 8183 | 7987 | 7987 | 7987 | 7987 | 617 | 8183 | 326 |
| 60-80 | | 52 | 47.9 | 44.9 | 40.2 | 37.9 | 70.5 | 9095 | 8973 | 8973 | 8973 | 8973 | 503 | 9095 | 335 |
| 80-100 | | 56.9 | 54.1 | 52.6 | 43.1 | 41.6 | 72.9 | 10057 | 10057 | 10057 | 10057 | 10057 | 394 | 10057 | 394 |
| all | | 52.6 | 48.7 | 46 | 39.6 | 37.7 | 38.9 | 42481 | 41787 | 41787 | 41787 | 41787 | 4250 | 42481 | 1652 |
| no. of households | estd (00) | 22347 | 20349 | 19240 | 16554 | 15741 | 1651 | X | X | X | X | X | X | X | X |
| | sample | 921 | 823 | 761 | 681 | 634 | 87 | X | X | X | X | X | X | X | X |

Table 61: Percentage of households having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each quintile class on UMPCE

| Kerala | | | | | | | | Urban | | | | | | | |
|-------------------------|-----------|--|--|---|--|--|---|--------|-------------|----------------|----------------|-------------------|----------------------|-----------|--------|
| quintile class on UMPCE | | percentage of households | | | | | estd. number of households (00) excluding n. r. for items of block 5 | | | | | | number of households | | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1 & 5 | items 1, 4 & 5 | items 1, 2 & 5 | items 1, 2, 4 & 5 | items 1 & 7 | estd.(00) | sample |
| 0-20 | | 44.1 | 41.1 | 39.3 | 35 | 34.3 | 14.4 | 7240 | 7090 | 7090 | 7090 | 7090 | 1468 | 7240 | 271 |
| 20-40 | | 51.5 | 43.9 | 39.3 | 36.4 | 33 | 47.5 | 7907 | 7680 | 7680 | 7680 | 7680 | 1268 | 7907 | 326 |
| 40-60 | | 56.6 | 54.2 | 51.5 | 41.8 | 39.9 | 31.8 | 8183 | 7987 | 7987 | 7987 | 7987 | 617 | 8183 | 326 |
| 60-80 | | 52 | 47.9 | 44.9 | 40.2 | 37.9 | 70.5 | 9095 | 8973 | 8973 | 8973 | 8973 | 503 | 9095 | 335 |
| 80-100 | | 56.9 | 54.1 | 52.6 | 43.1 | 41.6 | 72.9 | 10057 | 10057 | 10057 | 10057 | 10057 | 394 | 10057 | 394 |
| all | | 52.6 | 48.7 | 46 | 39.6 | 37.7 | 38.9 | 42481 | 41787 | 41787 | 41787 | 41787 | 4250 | 42481 | 1652 |
| no. of households | estd (00) | 22347 | 20349 | 19240 | 16554 | 15741 | 1651 | X | X | X | X | X | X | X | X |
| no. of sample | sample | 921 | 823 | 761 | 681 | 634 | 87 | X | X | X | X | X | X | X | X |

Table 61: Percentage of households having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each quintile class on UMPCE

| Kerala | | | | | | | | Rural + Urban | | | | | | | |
|-------------------------|-----------|--|--|---|--|--|---|---------------|-------------|----------------|----------------|-------------------|----------------------|-----------|--------|
| quintile class on UMPCE | | percentage of households | | | | | estd. number of households (00) excluding n. r. for items of block 5 | | | | | | number of households | | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1 & 5 | items 1, 4 & 5 | items 1, 2 & 5 | items 1, 2, 4 & 5 | items 1 & 7 | estd.(00) | sample |
| 0-20 | | 50.6 | 44.7 | 43.4 | 38.6 | 37.9 | 31.1 | 13705 | 13457 | 13457 | 13457 | 13457 | 2421 | 13705 | 553 |
| 20-40 | | 51.1 | 43 | 38.5 | 37.2 | 33.3 | 54.8 | 15653 | 15301 | 15301 | 15301 | 15301 | 2172 | 15653 | 691 |
| 40-60 | | 53.1 | 48.4 | 46 | 38.9 | 36.9 | 46.3 | 15979 | 15770 | 15770 | 15770 | 15770 | 1589 | 15979 | 683 |
| 60-80 | | 52.1 | 46.6 | 44.2 | 40.5 | 38.4 | 80.7 | 17938 | 17816 | 17816 | 17816 | 17816 | 1183 | 17938 | 683 |
| 80-100 | | 54 | 50 | 44.8 | 43.9 | 38.8 | 78 | 20491 | 20472 | 20472 | 20472 | 20472 | 1048 | 20491 | 745 |
| all | | 52.3 | 46.8 | 43.5 | 40.1 | 37.2 | 52.9 | 83766 | 82817 | 82817 | 82817 | 82817 | 8412 | 83766 | 3355 |
| no. of households | estd (00) | 43822 | 38767 | 36029 | 33236 | 30793 | 4452 | X | X | X | X | X | X | X | X |
| no. of sample | sample | 1805 | 1576 | 1456 | 1364 | 1259 | 208 | X | X | X | X | X | X | X | X |

Table 62: Percentage of persons having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each household social group

| Kerala | | | | | | | Rural | | | | | | | | |
|---------------------------------|-----------|---|--|--|--|--|--|--|--------------|----------------|----------------|------------------|--------------|-------------------------|--------|
| household social group UMPCE | | percentage of households | | | | | | estd. number of households(00) excluding n. r. for items of block 5 | | | | | | number of households | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | having exclusive access to improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1&5 | items 1,4&5 | items 1,2&5 | items 1,2,4&5 | items 1&7 | estd.(00) | sample |
| S T | | 44.5 | 38.3 | 33.4 | 33.4 | 33.4 | 12.9 | 751 | 751 | 751 | 751 | 751 | 358 | 751 | 26 |
| SC | | 49.8 | 39.9 | 35.2 | 33.3 | 29.2 | 33.2 | 4532 | 4477 | 4477 | 4477 | 4477 | 1254 | 4532 | 189 |
| OBC | | 57.6 | 53.7 | 50.6 | 44.7 | 42.6 | 42 | 24800 | 24370 | 24370 | 24370 | 24370 | 2326 | 24800 | 986 |
| Others | | 44.2 | 42.5 | 41.7 | 32 | 31.2 | 67.3 | 12398 | 12189 | 12189 | 12189 | 12189 | 313 | 12398 | 451 |
| all | | 52.6 | 48.7 | 46 | 39.6 | 37.7 | 38.9 | 42481 | 41787 | 41787 | 41787 | 41787 | 4250 | 42481 | 1652 |
| no. of | estd (00) | 22347 | 20349 | 19240 | 16554 | 15741 | 1651 | X | X | X | X | X | X | X | X |
| households | sample | 921 | 823 | 761 | 681 | 634 | 87 | X | X | X | X | X | X | X | X |

Table 62: Percentage of persons having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each household social group

| Kerala | | | | | | | Urban | | | | | | | | |
|---------------------------------|-----------|---|--|--|---|--|--|--------|--------------|----------------|----------------|------------------|-------------------------|-----------|--------|
| household social group UMPCE | | percentage of households | | | | | estd. number of households(00) excluding n. r. for items of block 5 | | | | | | number of households | | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | having exclusive access to improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1&5 | items 1,4&5 | items 1,2&5 | items 1,2,4&5 | items 1&7 | estd.(00) | sample |
| S T | | 55.4 | 52.5 | 19.8 | 52.5 | 19.8 | 100 | 175 | 175 | 175 | 175 | 175 | 5 | 175 | 8 |
| SC | | 54.1 | 38.7 | 34.7 | 36.6 | 32.6 | 77.4 | 3067 | 3001 | 3001 | 3001 | 3001 | 560 | 3067 | 126 |
| OBC | | 52.2 | 44.2 | 40.9 | 40.5 | 37.2 | 64.2 | 25645 | 25487 | 25487 | 25487 | 25487 | 3064 | 25645 | 1088 |
| Others | | 51 | 47.7 | 42.8 | 41.8 | 36.9 | 74.3 | 12398 | 12367 | 12367 | 12367 | 12367 | 533 | 12398 | 481 |
| all | | 52 | 44.9 | 40.9 | 40.7 | 36.7 | 67.3 | 41285 | 41030 | 41030 | 41030 | 41030 | 4162 | 41285 | 1703 |
| no. of | estd (00) | 21475 | 18419 | 16789 | 16682 | 15052 | 2801 | X | X | X | X | X | X | X | X |
| households | sample | 884 | 753 | 695 | 683 | 625 | 121 | X | X | X | X | X | X | X | X |

Table 62: Percentage of persons having (i) exclusive access to improved source of drinking water located in the household premises which is sufficiently available throughout the year and (ii) access to improved source of drinking water within 30 minutes for a round trip collection time for each household social group

| Kerala | | | | | | | Rural + Urban | | | | | | | | |
|---------------------------------|-----------|---|--|--|--|---|--|--|--------------|----------------|----------------|------------------|--------------|-------------------------|--------|
| household social group UMPCE | | percentage of households | | | | | | estd. number of households(00) excluding n. r. for items of block 5 | | | | | | number of households | |
| | | having improved source of drinking water | having improved source of drinking water located in the premises | having exclusive access to improved source of drinking water located in the premises | having improved source of drinking water located in the premises which is sufficiently available throughout the year | having exclusive access to improved source of drinking water located in the premises which is sufficiently available throughout the year | having improved source of drinking water within 30 minutes for a round trip collection time | item 1 | items 1&5 | items 1,4&5 | items 1,2&5 | items 1,2,4&5 | items 1&7 | estd.(00) | sample |
| S T | | 46.6 | 41 | 30.8 | 37 | 30.8 | 14.2 | 927 | 927 | 927 | 927 | 927 | 363 | 927 | 34 |
| SC | | 51.6 | 39.4 | 35 | 34.7 | 30.6 | 46.9 | 7599 | 7478 | 7478 | 7478 | 7478 | 1813 | 7599 | 315 |
| OBC | | 54.9 | 48.9 | 45.6 | 42.6 | 39.8 | 54.6 | 50445 | 49856 | 49856 | 49856 | 49856 | 5390 | 50445 | 2074 |
| Others | | 47.6 | 45.1 | 42.2 | 36.9 | 34 | 71.7 | 24796 | 24556 | 24556 | 24556 | 24556 | 846 | 24796 | 932 |
| all | | 52.3 | 46.8 | 43.5 | 40.1 | 37.2 | 52.9 | 83766 | 82817 | 82817 | 82817 | 82817 | 8412 | 83766 | 3355 |
| no. of | estd (00) | 43822 | 38767 | 36029 | 33236 | 30793 | 4452 | X | X | X | X | X | X | X | X |
| households | sample | 1805 | 1576 | 1456 | 1364 | 1259 | 208 | X | X | X | X | X | X | X | X |

| Table 63: Percentage of households using improved latrine which is for exclusive use of the household for each quintile class on UMPCE | | | | | | | | | |
|--|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|----------------------|--------|
| Kerala | | | | | Rural | | | | |
| quintile class on UMPCE | | percentage of households | | | | | | number of households | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd. (00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | rush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| 0-20 | 99.5 | 0 | 96.5 | 96.5 | 3.4 | 1.9 | 7240 | 271 | |
| 20-40 | 99.6 | 0 | 98.7 | 98.7 | 3.2 | 1.5 | 7907 | 326 | |
| 40-60 | 100 | 0 | 98.5 | 98.5 | 4.9 | 1.5 | 8183 | 326 | |
| 60-80 | 99.6 | 0 | 98.5 | 98.5 | 5.9 | 2.5 | 9095 | 335 | |
| 80-100 | 100 | 0.7 | 99.3 | 100 | 14.4 | 8.1 | 10057 | 394 | |
| all | 99.8 | 0.2 | 98.4 | 98.5 | 6.8 | 3.3 | 42481 | 1652 | |
| no. of | estd (00) | 42378 | 69 | 41789 | 41858 | 2880 | 1413 | X | X |
| households | sample | 1647 | 2 | 1626 | 1628 | 120 | 53 | X | X |

| Table 63: Percentage of households using improved latrine which is for exclusive use of the household for each quintile class on UMPCE | | | | | | | | | |
|--|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|----------------------|--------|
| Kerala | | | | | Urban | | | | |
| quintile class on UMPCE | | percentage of households | | | | | | number of households | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd. (00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | rush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0-20 | | 99.1 | 0.8 | 97.3 | 98 | 16.5 | 8.5 | 6465 | 282 |
| 20-40 | | 100 | 0.6 | 98.7 | 99.4 | 12.5 | 6 | 7746 | 365 |
| 40-60 | | 100 | 0.3 | 99.4 | 99.8 | 16.5 | 6 | 7797 | 357 |
| 60-80 | | 99.9 | 0 | 99.3 | 99.3 | 18.8 | 5.5 | 8843 | 348 |
| 80-100 | | 100 | 0.2 | 96.5 | 96.7 | 19.6 | 5.9 | 10434 | 351 |
| all | | 99.8 | 0.4 | 98.2 | 98.5 | 17 | 6.3 | 41285 | 1703 |
| no. of | estd (00) | 41215 | 148 | 40538 | 40686 | 7028 | 2581 | X | X |
| households | sample | 1700 | 7 | 1675 | 1682 | 275 | 103 | X | X |

| Table 63: Percentage of households using improved latrine which is for exclusive use of the household for each quintile class on UMPCE | | | | | | | | | |
|--|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|----------------------|--------|
| Kerala | | | | | Rural + Urban | | | | |
| quintile class on UMPCE | | percentage of households | | | | | | number of households | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd. (00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | rush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | all | all |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| 0-20 | 99.3 | 0.4 | 96.9 | 97.2 | 9.5 | 5 | 13705 | 553 | |
| 20-40 | 99.8 | 0.3 | 98.7 | 99 | 7.8 | 3.7 | 15653 | 691 | |
| 40-60 | 100 | 0.2 | 98.9 | 99.1 | 10.5 | 3.7 | 15979 | 683 | |
| 60-80 | 99.7 | 0 | 98.9 | 98.9 | 12.2 | 4 | 17938 | 683 | |
| 80-100 | 100 | 0.5 | 97.9 | 98.3 | 17.1 | 7 | 20491 | 745 | |
| all | 99.8 | 0.3 | 98.3 | 98.5 | 11.8 | 4.8 | 83766 | 3355 | |
| no. of | estd (00) | 83592 | 217 | 82326 | 82544 | 9908 | 3994 | X | X |
| households | sample | 3347 | 9 | 3301 | 3310 | 395 | 156 | X | X |

| Table 64: Percentage of households using improved latrine which is for exclusive use of the household for each household social group | | | | | | | | | |
|---|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|----------------------|--------|
| Kerala | | | | | Rural | | | | |
| household social group | | percentage of households | | | | | | number of households | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd.(00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | flush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| S T | | 99.7 | 0 | 80.7 | 80.7 | 1.8 | 1.8 | 751 | 26 |
| SC | | 99.3 | 0 | 95.7 | 95.7 | 8.2 | 6.4 | 4532 | 189 |
| OBC | | 99.7 | 0 | 99.3 | 99.3 | 7.7 | 3.5 | 24800 | 986 |
| Others | | 100 | 0.6 | 98.6 | 99.2 | 4.7 | 2 | 12398 | 451 |
| all | | 99.8 | 0.2 | 98.4 | 98.5 | 6.8 | 3.3 | 42481 | 1652 |
| no. of | estd (00) | 42378 | 69 | 41789 | 41858 | 2880 | 1413 | X | X |
| households | sample | 1647 | 2 | 1626 | 1628 | 120 | 53 | X | X |

| Table 64: Percentage of households using improved latrine which is for exclusive use of the household for each household social group | | | | | | | | | |
|---|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|-----------|--------|
| Kerala | | | | | Urban | | | | |
| household social group | | percentage of households | | | | | number of households | | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd.(00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | flush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| S T | | 100 | 0 | 100 | 100 | 16.6 | 2.7 | 175 | 8 |
| SC | | 98.8 | 0 | 96.8 | 96.8 | 9.9 | 6.1 | 3067 | 126 |
| OBC | | 99.9 | 0.4 | 98.6 | 99 | 16.8 | 7.1 | 25645 | 1088 |
| Others | | 100 | 0.4 | 97.7 | 98.1 | 19.3 | 4.6 | 12398 | 481 |
| all | | 99.8 | 0.4 | 98.2 | 98.5 | 17 | 6.3 | 41285 | 1703 |
| no. of | estd (00) | 41215 | 148 | 40538 | 40686 | 7028 | 2581 | X | X |
| households | sample | 1700 | 7 | 1675 | 1682 | 275 | 103 | X | X |

| Table 64: Percentage of households using improved latrine which is for exclusive use of the household for each household social group | | | | | | | | | |
|---|-----------|--------------------------|--|--------------------------------|-------------------------------|---|---|----------------------|--------|
| Kerala | | | | | Rural + Urban | | | | |
| household social group | | percentage of households | | | | | | number of households | |
| | | using improved latrine | using improved latrine which is for exclusive use of the household | | | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied | using ‘other type of improved latrine’ in which household has exclusive access and from where excreta had ever been emptied in treatment plant or buried in covered twin leach pit/single pit | estd.(00) | sample |
| | | | type of improved latrine | | | | | | |
| | | | flush/pour-flush to piped sewer system | other type of improved latrine | all types of improved latrine | | | all | all |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| S T | | 99.7 | 0 | 84.3 | 84.3 | 4.6 | 1.9 | 927 | 34 |
| SC | | 99.1 | 0 | 96.2 | 96.2 | 8.9 | 6.3 | 7599 | 315 |
| OBC | | 99.8 | 0.2 | 98.9 | 99.1 | 12.3 | 5.3 | 50445 | 2074 |
| Others | | 100 | 0.5 | 98.1 | 98.6 | 12 | 3.3 | 24796 | 932 |
| all | | 99.8 | 0.3 | 98.3 | 98.5 | 11.8 | 4.8 | 83766 | 3355 |
| no. of | estd (00) | 83592 | 217 | 82326 | 82544 | 9908 | 3994 | X | X |
| households | sample | 3347 | 9 | 3301 | 3310 | 395 | 156 | X | X |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Rural | | Male | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 69 | 69 | 2 |
| septic tank(02) | 98.7 | 0 | 1.3 | 100 | 98.7 | 97.8 | 10914 | 10914 | 400 |
| twin leach pit(03) | 94.3 | 0 | 5.7 | 100 | 94.3 | 88.6 | 840 | 840 | 29 |
| single pit(04) | 99.3 | 0.1 | 0.6 | 100 | 99.3 | 98.5 | 64110 | 64110 | 2559 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 2881 | 2881 | 128 |
| pit lat. with slab(07) | 96.8 | 0 | 3.2 | 100 | 96.8 | 87.3 | 1460 | 1460 | 42 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.1 | 0.1 | 0.8 | 100 | 99.1 | 98.2 | 80274 | 80274 | 3160 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|--|---|--|-------------------|--------|
| Kerala | | Rural | | | | | Female | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasiona lly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 69 | 69 | 2 |
| septic tank(02) | 99.5 | 0.3 | 0.2 | 100 | 99.5 | 98.4 | 13370 | 13370 | 480 |
| twin leach pit(03) | 100 | 0 | 0 | 100 | 100 | 94.7 | 907 | 907 | 27 |
| single pit(04) | 99.1 | 0 | 0.9 | 100 | 99.1 | 98.5 | 66195 | 66195 | 2632 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 3107 | 3107 | 133 |
| pit lat. with slab(07) | 100 | 0 | 0 | 100 | 100 | 85.8 | 1631 | 1631 | 48 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.1 | 0.8 | 100 | 99.2 | 98.2 | 85278 | 85278 | 3322 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Rural | | Others | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | |
| piped sewer sys.(01) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| septic tank(02) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| twin leach pit(03) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| single pit(04) | 100 | 0 | 0 | 100 | 100 | 100 | 20 | 20 | 2 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat. with slab(07) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 0 | 0 | 100 | 100 | 100 | 20 | 20 | 2 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Rural | | All | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| pipd sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 137 | 137 | 4 |
| septic tank(02) | 99.1 | 0.2 | 0.7 | 100 | 99.1 | 98.1 | 24284 | 24284 | 880 |
| twin leach pit(03) | 97.3 | 0 | 2.7 | 100 | 97.3 | 91.8 | 1746 | 1746 | 56 |
| single pit(04) | 99.2 | 0 | 0.8 | 100 | 99.2 | 98.5 | 130325 | 130325 | 5193 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 5988 | 5988 | 261 |
| pit lat. with slab(07) | 98.5 | 0 | 1.5 | 100 | 98.5 | 86.5 | 3091 | 3091 | 90 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.1 | 0.8 | 100 | 99.2 | 98.2 | 165572 | 165572 | 6484 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Urban | | Male | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all |
| pipd sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 222 | 222 | 10 |
| septic tank(02) | 99.4 | 0.2 | 0.3 | 100 | 99.4 | 99.1 | 19910 | 19910 | 785 |
| twin leach pit(03) | 100 | 0 | 0 | 100 | 100 | 100 | 615 | 615 | 17 |
| single pit(04) | 99 | 0.4 | 0.6 | 100 | 99 | 98.8 | 50247 | 50247 | 2172 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 1864 | 1864 | 69 |
| pit lat. with slab(07) | 100 | 0 | 0 | 100 | 100 | 100 | 412 | 412 | 37 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 68 | 68 | 2 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.3 | 0.5 | 100 | 99.1 | 98.8 | 73340 | 73340 | 3092 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Urban | | Female | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 309 | 309 | 14 |
| septic tank(02) | 99 | 0.3 | 0.8 | 100 | 99 | 97.4 | 22514 | 22514 | 907 |
| twin leach pit(03) | 100 | 0 | 0 | 100 | 100 | 100 | 895 | 895 | 25 |
| single pit(04) | 99.3 | 0.3 | 0.3 | 100 | 99.3 | 99.1 | 55248 | 55248 | 2396 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 2454 | 2454 | 95 |
| pit lat. with slab(07) | 100 | 0 | 0 | 100 | 100 | 100 | 396 | 396 | 42 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 137 | 137 | 4 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.3 | 0.3 | 0.4 | 100 | 99.1 | 98.5 | 81953 | 81953 | 3483 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Urban | | Others | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| pipd sewer sys.(01) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| septic tank(02) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| twin leach pit(03) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| single pit(04) | 100 | 0 | 0 | 100 | 100 | 100 | 3 | 3 | 1 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat. with slab(07) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 0 | 0 | 100 | 100 | 100 | 3 | 3 | 1 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | Urban | | All | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 531 | 531 | 24 |
| septic tank(02) | 99.2 | 0.3 | 0.6 | 100 | 99.2 | 98.2 | 42425 | 42425 | 1692 |
| twin leach pit(03) | 100 | 0 | 0 | 100 | 100 | 100 | 1511 | 1511 | 42 |
| single pit(04) | 99.2 | 0.4 | 0.5 | 100 | 99.2 | 98.9 | 105498 | 105498 | 4569 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 4319 | 4319 | 164 |
| pit lat. with slab(07) | 100 | 0 | 0 | 100 | 100 | 100 | 808 | 808 | 79 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 205 | 205 | 6 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.3 | 0.5 | 100 | 99.1 | 98.7 | 155296 | 155296 | 6576 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | All | | Male | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| pipd sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 291 | 291 | 12 |
| septic tank(02) | 99.2 | 0.2 | 0.7 | 100 | 99.2 | 98.7 | 30824 | 30824 | 1185 |
| twin leach pit(03) | 96.7 | 0 | 3.3 | 100 | 96.7 | 93.4 | 1455 | 1455 | 46 |
| single pit(04) | 99.1 | 0.2 | 0.6 | 100 | 99.1 | 98.6 | 114358 | 114358 | 4731 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 4746 | 4746 | 197 |
| pit lat. with slab(07) | 97.5 | 0 | 2.5 | 100 | 97.5 | 90.1 | 1873 | 1873 | 79 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 68 | 68 | 2 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.1 | 0.2 | 0.7 | 100 | 99.1 | 98.5 | 153615 | 153615 | 6252 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|--|---|--|-------------------|--------|
| Kerala | | | | | All | | Female | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 378 | 378 | 16 |
| septic tank(02) | 99.1 | 0.3 | 0.6 | 100 | 99.1 | 97.7 | 35885 | 35885 | 1387 |
| twin leach pit(03) | 100 | 0 | 0 | 100 | 100 | 97.4 | 1802 | 1802 | 52 |
| single pit(04) | 99.2 | 0.2 | 0.7 | 100 | 99.2 | 98.8 | 121443 | 121443 | 5028 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 5561 | 5561 | 228 |
| pit lat. with slab(07) | 100 | 0 | 0 | 100 | 100 | 88.5 | 2026 | 2026 | 90 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 137 | 137 | 4 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.2 | 0.6 | 100 | 99.1 | 98.4 | 167231 | 167231 | 6805 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | All | | Others | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasional ly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| piped sewer sys.(01) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| septic tank(02) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| twin leach pit(03) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| single pit(04) | 100 | 0 | 0 | 100 | 100 | 100 | 22 | 22 | 3 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat. with slab(07) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 100 | 0 | 0 | 100 | 100 | 100 | 22 | 22 | 3 |

| Table 65: Percentage of households having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each type of latrine | | | | | | | | | |
|--|---|------------------|-------|-----|--|---|--|-------------------|--------|
| Kerala | | | | | All | | All | | |
| type of latrine used by the household | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | regularly | occasiona lly | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | all | all |
| pipd sewer sys.(01) | 100 | 0 | 0 | 100 | 100 | 100 | 669 | 669 | 28 |
| septic tank(02) | 99.1 | 0.2 | 0.6 | 100 | 99.1 | 98.2 | 66709 | 66709 | 2572 |
| twin leach pit(03) | 98.5 | 0 | 1.5 | 100 | 98.5 | 95.6 | 3257 | 3257 | 98 |
| single pit(04) | 99.2 | 0.2 | 0.6 | 100 | 99.2 | 98.7 | 235823 | 235823 | 9762 |
| elsewhere(05) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| vent. imp. pit lat.(06) | 100 | 0 | 0 | 100 | 100 | 100 | 10306 | 10306 | 425 |
| pit lat. with slab(07) | 98.8 | 0 | 1.2 | 100 | 98.8 | 89.3 | 3899 | 3899 | 169 |
| pit lat.witout slab(08) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| composting lat.(10) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others(19) | 100 | 0 | 0 | 100 | 0 | 0 | 205 | 205 | 6 |
| not used(11) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | 99.2 | 0.2 | 0.6 | 100 | 99.1 | 98.4 | 320868 | 320868 | 13060 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | Rural | | | | Male | | | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.8 | 96.2 | 0.1 | 3.6 | 100 | 96.2 | 95.6 | 17972 | 18007 | 715 |
| 15-59 years | 99.9 | 100 | 0 | 0 | 100 | 100 | 98.9 | 50832 | 50867 | 2011 |
| 60 years or more | 99.7 | 99.7 | 0.3 | 0 | 100 | 99.7 | 99 | 11470 | 11508 | 440 |
| All | 99.9 | 99.1 | 0.1 | 0.8 | 100 | 99.1 | 98.2 | 80274 | 80382 | 3166 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | Rural | | | | female | | | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.8 | 96.1 | 0 | 3.9 | 100 | 96.1 | 94.7 | 16658 | 16693 | 625 |
| 15-59 years | 99.9 | 100 | 0 | 0 | 100 | 100 | 99.1 | 55408 | 55443 | 2203 |
| 60 years or more | 99.5 | 99.7 | 0.3 | 0 | 100 | 99.7 | 99 | 13212 | 13280 | 502 |
| All | 99.8 | 99.2 | 0.1 | 0.8 | 100 | 99.2 | 98.2 | 85278 | 85416 | 3330 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| | | Kerala | | | | Rural | | Others | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 20 | 20 | 2 |
| 60 years or more | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| All | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 20 | 20 | 2 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| | | Kerala | | | | Rural | | All | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.8 | 96.2 | 0.1 | 3.8 | 100 | 96.2 | 95.2 | 34630 | 34700 | 1340 |
| 15-59 years | 99.9 | 100 | 0 | 0 | 100 | 100 | 99 | 106260 | 106330 | 4216 |
| 60 years or more | 99.6 | 99.7 | 0.3 | 0 | 100 | 99.7 | 99 | 24682 | 24787 | 942 |
| All | 99.9 | 99.2 | 0.1 | 0.8 | 100 | 99.2 | 98.2 | 165572 | 165818 | 6498 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | Urban | | Male | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 100 | 96.1 | 1.5 | 2.4 | 100 | 96.1 | 96 | 15879 | 15879 | 706 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 99.9 | 99.6 | 45978 | 45978 | 1919 |
| 60 years or more | 100 | 100 | 0 | 0 | 100 | 99.7 | 99.6 | 11483 | 11483 | 467 |
| All | 100 | 99.2 | 0.3 | 0.5 | 100 | 99.1 | 98.8 | 73340 | 73340 | 3092 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | Urban | | Female | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 100 | 96 | 1.6 | 2.4 | 100 | 95.5 | 95.5 | 14995 | 14995 | 656 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 99.9 | 99.1 | 54079 | 54079 | 2269 |
| 60 years or more | 99.7 | 100 | 0 | 0 | 100 | 99.7 | 99.6 | 12880 | 12916 | 560 |
| All | 100 | 99.3 | 0.3 | 0.4 | 100 | 99.1 | 98.5 | 81953 | 81990 | 3485 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | Urban | | Others | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 100 | 96 | 1.6 | 2.4 | 100 | 95.5 | 95.5 | 14995 | 14995 | 656 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 99.9 | 99.1 | 54079 | 54079 | 2269 |
| 60 years or more | 99.7 | 100 | 0 | 0 | 100 | 99.7 | 99.6 | 12880 | 12916 | 560 |
| All | 100 | 99.3 | 0.3 | 0.4 | 100 | 99.1 | 98.5 | 81953 | 81990 | 3485 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | Urban | | All | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 100 | 96 | 1.6 | 2.4 | 100 | 95.8 | 95.8 | 30874 | 30874 | 1362 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 99.9 | 99.3 | 100060 | 100060 | 4189 |
| 60 years or more | 99.9 | 100 | 0 | 0 | 100 | 99.7 | 99.6 | 24363 | 24399 | 1027 |
| All | 100 | 99.2 | 0.3 | 0.5 | 100 | 99.1 | 98.7 | 155296 | 155333 | 6578 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | All | | Male | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.9 | 96.2 | 0.8 | 3 | 100 | 96.2 | 95.8 | 33851 | 33886 | 1421 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 100 | 99.3 | 96810 | 96845 | 3930 |
| 60 years or more | 99.8 | 99.9 | 0.1 | 0 | 100 | 99.7 | 99.3 | 22953 | 22991 | 907 |
| All | 99.9 | 99.1 | 0.2 | 0.7 | 100 | 99.1 | 98.5 | 153615 | 153722 | 6258 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | All | | Female | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.9 | 96 | 0.8 | 3.2 | 100 | 95.8 | 95.1 | 31653 | 31688 | 1281 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 100 | 99.1 | 109487 | 109522 | 4472 |
| 60 years or more | 99.6 | 99.8 | 0.2 | 0 | 100 | 99.7 | 99.3 | 26091 | 26196 | 1062 |
| All | 99.9 | 99.2 | 0.2 | 0.6 | 100 | 99.1 | 98.4 | 167231 | 167406 | 6815 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | All | | Others | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 22 | 22 | 3 |
| 60 years or more | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| All | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 22 | 22 | 3 |

| Table 66: Percentage of persons having access to latrine and percentage of persons (i) regularly used improved latrine, (ii) regularly used improved latrine which is for exclusive use of the household for each age interval | | | | | | | | | | |
|--|--|---|--------------|-------|-----|---------------------------------|---|--|-------------------|--------|
| Kerala | | | | | | All | | All | | |
| age interval | percentage of persons having access to latrine | percentage distribution of persons of those households having access to latrine by use of latrine | | | | percentage of persons | | estd.(00) number of persons in the households having access to latrine | number of persons | |
| | | regularly | occasionally | never | all | regularly used improved latrine | regularly used improved latrine which is for exclusive use of the household | | estd.(00) | sample |
| | | | | | | | | | all | all |
| <15 years | 99.9 | 96.1 | 0.8 | 3.1 | 100 | 96 | 95.4 | 65504 | 65574 | 2702 |
| 15-59 years | 100 | 100 | 0 | 0 | 100 | 100 | 99.2 | 206320 | 206390 | 8405 |
| 60 years or more | 99.7 | 99.8 | 0.2 | 0 | 100 | 99.7 | 99.3 | 49045 | 49187 | 1969 |
| All | 99.9 | 99.2 | 0.2 | 0.6 | 100 | 99.1 | 98.4 | 320868 | 321151 | 13076 |

Table 67: Percentage distribution of households by nature of access to the principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | rural | | | | | | | |
|-------------------------|-----------|--|--|--------------------|--|----------------------------|---|-----------------------------|--------|-------------------|------------|--------|
| quintile class on UMPCE | | access to the principal source of drinking water | | | | | | | | no. of households | | |
| | | exclusive use of the household | common use of households in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample |
| | | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all |
| 0-20 | | 74.1 | 1.3 | 12.3 | 3.8 | 4.9 | 0 | 0 | 3.5 | 100 | 7240 | 271 |
| 20-40 | | 75.4 | 2.4 | 16.1 | 0.6 | 1.5 | 0.9 | 0 | 2.9 | 100 | 7907 | 326 |
| 40-60 | | 86.1 | 2.1 | 8.1 | 0 | 0.7 | 0.4 | 0.4 | 2.3 | 100 | 8183 | 326 |
| 60-80 | | 86.8 | 2.5 | 3.5 | 0.4 | 2.8 | 2.4 | 0 | 1.7 | 100 | 9095 | 335 |
| 80-100 | | 93.1 | 1.3 | 3.1 | 0 | 1.8 | 0 | 0 | 0.6 | 100 | 10057 | 394 |
| all | | 83.8 | 1.9 | 8.1 | 0.9 | 2.3 | 0.8 | 0.1 | 2.1 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 35629 | 824 | 3454 | 362 | 965 | 321 | 37 | 889 | 42481 | x | x |
| | sample | 1349 | 41 | 140 | 10 | 55 | 9 | 2 | 46 | 1652 | x | x |

Table 67: Percentage distribution of households by nature of access to the principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | | | | | | | | Urban | | | |
|-------------------------|-----------|--|--|--------------------|--|----------------------------|---|-----------------------------|--------|-------|-------------------|--------|--|--|--|
| quintile class on UMPCE | | access to the principal source of drinking water | | | | | | | | | no. of households | | | | |
| | | exclusive use of the household | common use of households in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample | | | |
| | | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all | | | |
| | | | | | | | | | | | | | | | |
| 0-20 | | 81.6 | 0.8 | 8.5 | 0 | 7.7 | 0 | 0 | 1.3 | 100 | 6465 | 282 | | | |
| 20-40 | | 80.3 | 4.9 | 8.2 | 0 | 5.4 | 0 | 0 | 1.3 | 100 | 7746 | 365 | | | |
| 40-60 | | 82.5 | 2.2 | 8 | 0 | 5.5 | 0 | 0.6 | 1.2 | 100 | 7797 | 357 | | | |
| 60-80 | | 88.4 | 2.7 | 1.8 | 0 | 6.1 | 0 | 0.3 | 0.6 | 100 | 8843 | 348 | | | |
| 80-100 | | 75.2 | 12 | 2.4 | 0 | 4.7 | 0 | 0 | 5.6 | 100 | 10434 | 351 | | | |
| all | | 81.3 | 5.1 | 5.4 | 0 | 5.8 | 0 | 0.2 | 2.2 | 100 | 41285 | 1703 | | | |
| no.of house holds | estd.(00) | 33597 | 2098 | 2228 | 0 | 2379 | 0 | 67 | 918 | 41285 | x | x | | | |
| | sample | 1398 | 76 | 102 | 0 | 90 | 0 | 3 | 34 | 1703 | x | x | | | |

Table 67: Percentage distribution of households by nature of access to the principal source of drinking water for each quintile class on UMPCE

| Kerala | | | | | | | | | | | |
|-------------------------|--|--|--------------------|--|----------------------------|---|-----------------------------|--------|------|-------------------|--------|
| Rural + Urban | | | | | | | | | | | |
| quintile class on UMPCE | access to the principal source of drinking water | | | | | | | | | no. of households | |
| | exclusive use of the household | common use of households in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample |
| | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all |
| 0-20 | 77.7 | 1.1 | 10.5 | 2 | 6.3 | 0 | 0 | 2.5 | 100 | 13705 | 553 |
| 20-40 | 77.8 | 3.6 | 12.2 | 0.3 | 3.4 | 0.5 | 0 | 2.1 | 100 | 15653 | 691 |
| 40-60 | 84.3 | 2.1 | 8.1 | 0 | 3 | 0.2 | 0.5 | 1.7 | 100 | 15979 | 683 |
| 60-80 | 87.6 | 2.6 | 2.7 | 0.2 | 4.4 | 1.2 | 0.1 | 1.2 | 100 | 17938 | 683 |
| 80-100 | 84 | 6.8 | 2.8 | 0 | 3.2 | 0 | 0 | 3.2 | 100 | 20491 | 745 |
| all | 82.6 | 3.5 | 6.8 | 0.4 | 4 | 0.4 | 0.1 | 2.2 | 100 | 83766 | 3355 |
| no. of household | estd.(00) | 69226 | 2922 | 5682 | 362 | 3344 | 321 | 103 | 1806 | 83766 | x |
| | sample | 2747 | 117 | 242 | 10 | 145 | 9 | 5 | 80 | 3355 | x |

| Table 68: Percentage distribution of households by access to the principal source of drinking water for different household social group and household religion. | | | | | | | | | | | | |
|--|-----------|--|---|--------------------|--|----------------------------|---|-----------------------------|--------|-------------------|------------|--------|
| Kerala | | | | | | | | | rural | | | |
| household social group/household religion | | access to the principal source of drinking water | | | | | | | | no. of households | | |
| | | exclusive use of the household | common use of household s in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample |
| | | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all |
| household social group/rural | | | | | | | | | | | | |
| S T | | 42.7 | 6.6 | 5.4 | 33.5 | 0.3 | 0 | 0.5 | 10.9 | 100 | 751 | 26 |
| SC | | 63.6 | 4.5 | 19 | 1.9 | 7.9 | 0 | 0.7 | 2.3 | 100 | 4532 | 189 |
| OBC | | 84.7 | 1.8 | 9.1 | 0.1 | 2.4 | 0.3 | 0 | 1.7 | 100 | 24800 | 986 |
| Others | | 92.1 | 1 | 2.5 | 0 | 0 | 2 | 0 | 2.3 | 100 | 12398 | 451 |
| all | | 83.9 | 1.9 | 8.1 | 0.9 | 2.3 | 0.8 | 0.1 | 2.1 | 100 | 42481 | 1652 |
| household religion/rural | | | | | | | | | | | | |
| hinduism | | 81.3 | 2.2 | 8.8 | 1.5 | 3.4 | 0.3 | 0.1 | 2.4 | 100 | 24729 | 974 |
| Islam | | 86.3 | 1.9 | 10.8 | 0 | 0.7 | 0 | 0 | 0.3 | 100 | 8123 | 328 |
| christianity | | 89.6 | 1 | 3.1 | 0 | 0.2 | 3 | 0 | 3.2 | 100 | 8427 | 297 |
| Sikhism | | 50 | 25.7 | 24.3 | 0 | 0 | 0 | 0 | 0 | 100 | 132 | 3 |
| Others | | 85 | 0.1 | 9.5 | 0 | 5.3 | 0 | 0 | 0 | 100 | 1070 | 50 |
| all | | 83.9 | 1.9 | 8.1 | 0.9 | 2.3 | 0.8 | 0.1 | 2.1 | 100 | 42481 | 1652 |
| no.of house holds | estd.(00) | 35629 | 824 | 3454 | 362 | 965 | 321 | 37 | 889 | 42481 | x | x |
| | sample | 1349 | 41 | 140 | 10 | 55 | 9 | 2 | 46 | 1652 | x | x |

Table 68: Percentage distribution of households by access to the principal source of drinking water for different household social group and household religion.

| Kerala | | | | | | | | | urban | | | |
|---|-----------|--|---|--------------------|--|----------------------------|---|-----------------------------|--------|-------------------|------------|--------|
| household social group/household religion | | access to the principal source of drinking water | | | | | | | | no. of households | | |
| | | exclusive use of the household | common use of household s in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample |
| | | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all |
| household social group/urban | | | | | | | | | | | | |
| S T | | 64.4 | 32.7 | 0 | 0 | 0 | 0 | 2.9 | 100 | 175 | 8 | |
| SC | | 72.5 | 2.4 | 8.6 | 0 | 13.2 | 0 | 0.7 | 2.7 | 100 | 3067 | 126 |
| OBC | | 80 | 5.3 | 6.2 | 0 | 6.6 | 0 | 0.2 | 1.7 | 100 | 25645 | 1088 |
| Others | | 86.6 | 4.9 | 3.1 | 0 | 2.3 | 0 | 0 | 3.1 | 100 | 12398 | 481 |
| all | | 81.4 | 5.1 | 5.4 | 0 | 5.8 | 0 | 0.2 | 2.2 | 100 | 41285 | 1703 |
| household religion/urban | | | | | | | | | | | | |
| hinduism | | 81 | 5.2 | 6 | 0 | 6.5 | 0 | 0.1 | 1.3 | 100 | 22865 | 928 |
| Islam | | 83 | 5.2 | 5.5 | 0 | 4.5 | 0 | 0.5 | 1.3 | 100 | 9602 | 439 |
| christianity | | 81.3 | 4.5 | 3 | 0 | 4.5 | 0 | 0 | 6.7 | 100 | 7209 | 280 |
| Sikhism | | 0 | 91.9 | 0 | 0 | 0 | 0 | 0 | 8.1 | 100 | 62 | 2 |
| Others | | 81 | 2.2 | 8 | 0 | 8.7 | 0 | 0 | 0 | 100 | 1546 | 54 |
| all | | 81.4 | 5.1 | 5.4 | 0 | 5.8 | 0 | 0.2 | 2.2 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 33597 | 2098 | 2228 | 0 | 2379 | 0 | 67 | 918 | 41285 | x | x |
| | sample | 1398 | 76 | 102 | 0 | 90 | 0 | 3 | 34 | 1703 | x | x |

Table 68: Percentage distribution of households by access to the principal source of drinking water for different household social group and household religion.

| Kerala | | | | | | | | | rural + urban | | | |
|---|-----------|--|---|--------------------|--|----------------------------|---|-----------------------------|---------------|-------------------|------------|--------|
| household social group/household religion | | access to the principal source of drinking water | | | | | | | | no. of households | | |
| | | exclusive use of the household | common use of household s in the building | neighbour's source | community use | | | | others | all | estd. (00) | sample |
| | | | | | public source restricted to particular community | public source unrestricted | private source restricted to particular community | private source unrestricted | | | all | all |
| household social group/all | | | | | | | | | | | | |
| S T | | 46.8 | 11.6 | 4.4 | 27.2 | 0.3 | 0 | 0.4 | 9.4 | 100 | 927 | 34 |
| SC | | 67.2 | 3.7 | 14.8 | 1.1 | 10 | 0 | 0.7 | 2.4 | 100 | 7599 | 315 |
| OBC | | 82.3 | 3.6 | 7.6 | 0 | 4.5 | 0.1 | 0.1 | 1.7 | 100 | 50445 | 2074 |
| Others | | 89.4 | 3 | 2.8 | 0 | 1.1 | 1 | 0 | 2.7 | 100 | 24796 | 932 |
| all | | 82.6 | 3.5 | 6.8 | 0.4 | 4 | 0.4 | 0.1 | 2.2 | 100 | 83766 | 3355 |
| household religion/all | | | | | | | | | | | | |
| hinduism | | 81.1 | 3.6 | 7.5 | 0.8 | 4.9 | 0.1 | 0.1 | 1.9 | 100 | 47594 | 1902 |
| Islam | | 84.5 | 3.7 | 7.9 | 0 | 2.8 | 0 | 0.3 | 0.9 | 100 | 17725 | 767 |
| christianity | | 85.7 | 2.6 | 3.1 | 0 | 2.2 | 1.6 | 0 | 4.8 | 100 | 15636 | 577 |
| Sikhism | | 34 | 46.9 | 16.5 | 0 | 0 | 0 | 0 | 2.6 | 100 | 194 | 5 |
| Others | | 82.7 | 1.4 | 8.6 | 0 | 7.4 | 0 | 0 | 0 | 100 | 2617 | 104 |
| all | | 82.6 | 3.5 | 6.8 | 0.4 | 4 | 0.4 | 0.1 | 2.2 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 69226 | 2922 | 5682 | 362 | 3344 | 321 | 103 | 1806 | 83766 | X | X |
| | sample | 2747 | 117 | 242 | 10 | 145 | 9 | 5 | 80 | 3355 | X | X |

| Table 69: Percentage distribution of households by distance to the principal source of drinking water for each principal source and percentage of households reporting stagnation of water around the principal source of drinking water | | | | | | | | | | | | |
|--|-----------|--|--|--------------------------------------|-----------------------------------|------------|------------|------------|------|-------------------|--------|---------------|
| Kerala | | | | | | | | rural | | | | |
| principal sources of drinking water | | percentage of households reporting stagnation of water around the principal source of drinking water | distance to the principal source of drinking water | | | | | | all | no. of households | | |
| | | | within dwelling | outside dwelling but within premises | outside premises at a distance of | | | | | estd. (00) | sample | |
| | | | | | lessthan 0.2km | 0.2- 0.5km | 0.5- 1.0km | 1.0- 1.5km | | | | 1.5km or more |
| bottled water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| piped water into dwelling | | 1.9 | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 2512 | 99 | |
| piped waterto yard /plot | | 2.7 | 0 | 98 | 2 | 0 | 0 | 0 | 100 | 3191 | 137 | |
| piped water from neighbour | | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 100 | 338 | 15 | |
| public tap/stand pipe | | 9.7 | 0 | 0 | 75.3 | 17 | 7.8 | 0 | 100 | 561 | 39 | |
| tube well | | 2.5 | 55.7 | 42.7 | 1.6 | 0 | 0 | 0 | 100 | 3648 | 158 | |
| hand pump | | 53.8 | 0 | 53.8 | 46.2 | 0 | 0 | 0 | 100 | 98 | 3 | |
| protected well | | 2.6 | 36.5 | 58.6 | 4.5 | 0.5 | 0 | 0 | 100 | 19341 | 457 | |
| unprotected well | | 2.9 | 37.8 | 48.7 | 12.3 | 1 | 0.2 | 0 | 100 | 19341 | 705 | |
| public tanker-truck | | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 100 | 8 | 1 | |
| private tanker-truck | | 47.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unprotected spring | | 13 | 0 | 0 | 100 | 0 | 0 | 0 | 100 | 46 | 1 | |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 23 | 1 | |
| tank/pond | | 0 | 0 | 0 | 12.4 | 6 | 0 | 18.2 | 63.4 | 100 | 394 | 12 |
| other surface water | | 0 | 0 | 0 | 66.7 | 22.9 | 10.4 | 0 | 0 | 100 | 5 | 5 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 3 | 38.5 | 50.2 | 9.4 | 0.9 | 0.2 | 0.2 | 0.6 | 100 | 41787 | 1633 |
| no.of house holds | estd.(00) | 1277 | 16106 | 20973 | 3943 | 367 | 77 | 72 | 249 | 41787 | X | X |
| | sample | 43 | 619 | 806 | 174 | 22 | 3 | 2 | 7 | 1633 | X | X |

| Table 69: Percentage distribution of households by distance to the principal source of drinking water for each principal source and percentage of households reporting stagnation of water around the principal source of drinking water | | | | | | | | | | | | |
|--|-----------|--|--|--------------------------------------|-----------------------------------|-----------|-----------|-----------|-----|-------------------|--------|---------------|
| Kerala | | | | | | | | urban | | | | |
| principal sources of drinking water | | percentage of households reporting stagnation of water around the principal source of drinking water | distance to the principal source of drinking water | | | | | | | no. of households | | |
| | | | within dwelling | outside dwelling but within premises | outside premises at a distance of | | | | | estd. (00) | sample | |
| | | | | | less than 0.2km | 0.2-0.5km | 0.5-1.0km | 1.0-1.5km | | | | 1.5km or more |
| | | | | | | | | | | | | |
| | | | | | | | | | all | all | all | |
| bottled water | | 0 | 95.8 | 0 | 3.5 | 0 | 0 | 0 | 0.7 | 100 | 709 | 25 |
| pipd water into dwelling | | 1 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 7127 | 285 |
| pipd waterto yard /plot | | 1.8 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 100 | 1660 | 66 |
| pipd water from neighbour | | 6.1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 284 | 14 |
| public tap/stand pipe | | 4.8 | 0 | 0 | 61.1 | 32.2 | 3.5 | 2.1 | 1.1 | 100 | 2161 | 83 |
| tube well | | 0 | 62.4 | 34.9 | 2.2 | 0.5 | 0 | 0 | 0 | 100 | 2808 | 116 |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| protected well | | 2.1 | 34.3 | 61.9 | 2.7 | 1.2 | 0 | 0 | 0 | 100 | 19810 | 285 |
| unprotected well | | 2.2 | 37.9 | 54.6 | 7.3 | 0.2 | 0 | 0 | 0 | 100 | 19810 | 819 |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| private tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| rain water collection | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| tank/pond | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 1.9 | 47 | 42.6 | 8.1 | 2 | 0.2 | 0.1 | 0.1 | 100 | 41030 | 1693 |
| no.of house holds | estd.(00) | 802 | 19290 | 17466 | 3306 | 817 | 76 | 46 | 28 | 41030 | X | X |
| | sample | 36 | 830 | 678 | 141 | 37 | 3 | 2 | 2 | 1693 | X | X |

Table 69: Percentage distribution of households by distance to the principal source of drinking water for each principal source and percentage of households reporting stagnation of water around the principal source of drinking water

| Kerala | | | | | | | | rural + urban | | | | |
|-------------------------------------|-----------|--|--|--------------------------------------|-----------------------------------|------------|------------|---------------|------|-------------------|--------|---------------|
| principal sources of drinking water | | percentage of households reporting stagnation of water around the principal source of drinking water | distance to the principal source of drinking water | | | | | | | no. of households | | |
| | | | within dwelling | outside dwelling but within premises | outside premises at a distance of | | | | | estd. (00) | sample | |
| | | | | | lessthan 0.2km | 0.2- 0.5km | 0.5- 1.0km | 1.0- 1.5km | | | | 1.5km or more |
| | | | | | | | | | all | all | all | |
| bottled water | | 0 | 95.8 | 0 | 3.5 | 0 | 0 | 0 | 0.7 | 100 | 709 | 25 |
| piped water into dwelling | | 1.2 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 9639 | 384 |
| piped waterto yard /plot | | 2.4 | 0 | 98.7 | 1.3 | 0 | 0 | 0 | 0 | 100 | 4851 | 203 |
| piped water from neighbour | | 3.2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 622 | 29 |
| public tap/stand pipe | | 6 | 0 | 0 | 64 | 29.1 | 4.4 | 1.7 | 0.9 | 100 | 2722 | 122 |
| tube well | | 1.4 | 58.6 | 39.3 | 1.9 | 0.2 | 0 | 0 | 0 | 100 | 6456 | 274 |
| hand pump | | 53.8 | 0 | 53.8 | 46.2 | 0 | 0 | 0 | 0 | 100 | 98 | 3 |
| protected well | | 2.4 | 35.7 | 59.8 | 3.8 | 0.7 | 0 | 0 | 0 | 100 | 39152 | 742 |
| unprotected well | | 2.5 | 37.8 | 51.7 | 9.8 | 0.6 | 0.1 | 0 | 0 | 100 | 39152 | 1524 |
| public tanker-truck | | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 8 | 1 |
| private tanker-truck | | 32.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 13 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 46 | 1 |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 23 | 1 |
| tank/pond | | 0 | 0 | 0 | 12.4 | 6 | 0 | 18.2 | 63.4 | 100 | 394 | 12 |
| other surface water | | 0 | 0 | 0 | 66.7 | 22.9 | 10.4 | 0 | 0 | 100 | 5 | 5 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 2.5 | 42.7 | 46.4 | 8.8 | 1.4 | 0.2 | 0.1 | 0.3 | 100 | 82817 | 3326 |
| no.of house holds | estd.(00) | 2079 | 35396 | 38439 | 7249 | 1185 | 153 | 118 | 278 | 82817 | X | X |
| | sample | 79 | 1449 | 1484 | 315 | 59 | 6 | 4 | 9 | 3326 | X | X |

Table 70: Percentage distribution of households with principal source of drinking water outside premises by category of person fetching drinking water from principal source, average time taken in a single trip to fetch drinking water and average waiting time required in a single trip at the source separately for households at different distances from the principal source

| Kerala | | | | | | | | Rural | | | | |
|--|-----------|---|------------------------------|------------------------------|--------------------------------|--------------|--------|---|---|--|--------|-----|
| distance of the principal source of drinking water which is outside premises(km) | | percentage distribution of households by category of person fetching drinking water | | | | | | average time taken in a single trip to fetch drinking water from principal source (0.0 minutes) | average waiting time required in a single trip at the principal source drinking water (0.0 minutes) | no.of households fetching drinking water from outside premises | | |
| | | | | | | | | | | estd. (00) | sample | |
| | | male of age below 18 years | male of age 18 years or more | female of age below 18 years | female of age 18 years or more | hired labour | others | | | all | all | all |
| less than 0.2 | | 0 | 13.6 | 2.1 | 75.7 | 0.8 | 4.3 | 96.5 | 7.9 | 2.8 | 3806 | 168 |
| 0.2-0.5 | | 0 | 19.3 | 9 | 50.4 | 0 | 21.3 | 100 | 9.2 | 4.7 | 367 | 22 |
| 0.5-1.0 | | 0 | 56.5 | 0 | 42.8 | 0 | 0.7 | 100 | 21.4 | 3.3 | 77 | 3 |
| 1.0-1.5 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1.5 or more | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 0 | 13.9 | 2.5 | 68 | 0.7 | 5.3 | 90.3 | 8.2 | 3 | 4250 | 193 |
| no.of house holds | estd.(00) | 0 | 652 | 117 | 3201 | 32 | 249 | 4250 | X | X | X | X |
| | sample | 0 | 30 | 4 | 143 | 1 | 15 | 193 | X | X | X | X |

Table 70: Percentage distribution of households with principal source of drinking water outside premises by category of person fetching drinking water from principal source, average time taken in a single trip to fetch drinking water and average waiting time required in a single trip at the source separately for households at different distances from the principal source

| Kerala | | | | | | | | Urban | | | | |
|--|---|------------------------------|------------------------------|--------------------------------|--------------|--------|------|---|---|--|--------|---|
| distance of the principal source of drinking water which is outside premises(km) | percentage distribution of households by category of person fetching drinking water | | | | | | | average time taken in a single trip to fetch drinking water from principal source (0.0 minutes) | average waiting time required in a single trip at the principal source drinking water (0.0 minutes) | no.of households fetching drinking water from outside premises | | |
| | male of age below 18 years | male of age 18 years or more | female of age below 18 years | female of age 18 years or more | hired labour | others | all | | | estd. (00) | sample | |
| | | | | | | | | | | all | all | |
| less than 0.2 | 0.8 | 17.6 | 1.3 | 76.3 | 0 | 3.5 | 99.6 | 6.5 | 2.2 | 3293 | 140 | |
| 0.2-0.5 | 2.8 | 20.5 | 0 | 64.6 | 0 | 4.5 | 92.4 | 12.8 | 5.5 | 755 | 26 | |
| 0.5-1.0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 26.7 | 13.3 | 76 | 3 | |
| 1.0-1.5 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 12.5 | 2.5 | 46 | 2 | |
| 1.5 or more | 0 | 82 | 0 | 0 | 0 | 18 | 100 | 20 | 5.9 | 28 | 2 | |
| all | 1.1 | 21 | 1 | 71.4 | 0 | 3.7 | 98.2 | 8.1 | 3 | 4199 | 173 | |
| no.of house holds | estd.(00) | 48 | 897 | 45 | 3051 | 0 | 158 | 4199 | X | X | X | X |
| | sample | 2 | 34 | 2 | 128 | 0 | 7 | 173 | X | X | X | X |

Table 70: Percentage distribution of households with principal source of drinking water outside premises by category of person fetching drinking water from principal source, average time taken in a single trip to fetch drinking water and average waiting time required in a single trip at the source separately for households at different distances from the principal source

| Kerala | | | | | | | | Rural + Urban | | | | |
|--|-----------|---|------------------------------|------------------------------|--------------------------------|--------------|--------|---|---|--|--------|-----|
| distance of the principal source of drinking water which is outside premises(km) | | percentage distribution of households by category of person fetching drinking water | | | | | | average time taken in a single trip to fetch drinking water from principal source (0.0 minutes) | average waiting time required in a single trip at the principal source drinking water (0.0 minutes) | no.of households fetching drinking water from outside premises | | |
| | | | | | | | | | | estd. (00) | sample | |
| | | male of age below 18 years | male of age 18 years or more | female of age below 18 years | female of age 18 years or more | hired labour | others | | | all | all | all |
| less than 0.2 | | 0.3 | 15.5 | 1.8 | 76 | 0.4 | 3.9 | 97.9 | 7.2 | 2.6 | 7099 | 308 |
| 0.2-0.5 | | 2 | 20.1 | 2.8 | 60.2 | 0 | 9.7 | 94.8 | 11.6 | 5.3 | 1123 | 48 |
| 0.5-1.0 | | 0 | 78.2 | 0 | 21.5 | 0 | 0.4 | 100 | 24 | 8.3 | 153 | 6 |
| 1.0-1.5 | | 0 | 39.3 | 0 | 0 | 0 | 0 | 39.3 | 12.5 | 2.5 | 46 | 2 |
| 1.5 or more | | 0 | 8.3 | 0 | 0 | 0 | 1.8 | 10.2 | 20 | 5.9 | 28 | 2 |
| all | | 0.5 | 17.2 | 1.8 | 69.6 | 0.4 | 4.5 | 94.1 | 8.2 | 3 | 8449 | 366 |
| no. of house holds | estd.(00) | 48 | 1549 | 161 | 6252 | 32 | 406 | 8449 | X | X | X | X |
| | sample | 2 | 64 | 6 | 271 | 1 | 22 | 366 | X | X | X | X |

| Table 71: Percentage distribution of households by supplementary sources of drinking water for different principal sources of drinking water | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|---------------------------|--------------------------|------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|-------------------------|-------------------|------------|--------|
| Kerala | | | | | | | | | | | | | | | Rural | | | | | | | |
| principal sources of drinking water | | supplementary sources of drinking water | | | | | | | | | | | | | | | | | | no. of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from | public tap/stand pipe | tube well | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | no supplementary source | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | | all | all |
| bottled water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| piped water into dwelling | 0.3 | 0 | 0 | 0 | 18.4 | 5.4 | 0 | 4 | 12.9 | 0 | 0.7 | 0 | 1.4 | 1.1 | 0 | 0 | 0 | 55.8 | 100 | 2512 | 99 | |
| piped waterto yard /plot | 0 | 0 | 0 | 0.1 | 8.7 | 2.1 | 0 | 5.8 | 17.6 | 0 | 2.7 | 0 | 0 | 0 | 0 | 0 | 0.1 | 62.7 | 100 | 3191 | 137 | |
| piped water from neighbour | 0 | 0 | 0 | 0 | 19.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.2 | 100 | 459 | 18 | |
| public tap/stand pipe | 0 | 0 | 0 | 20 | 0 | 4.1 | 0 | 0 | 16.2 | 0 | 0 | 0 | 0 | 0 | 3.7 | 0 | 0 | 56.1 | 100 | 733 | 45 | |
| tube well | 0 | 4.6 | 0.1 | 0.4 | 3.7 | 0 | 0 | 2.5 | 2.7 | 1.1 | 0 | 0 | 0.9 | 4 | 0 | 0 | 1.8 | 78.1 | 100 | 3648 | 158 | |
| hand pump | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 98 | 3 | |
| protected well | 0 | 6.7 | 2.9 | 0.9 | 2.4 | 7.7 | 0 | 0 | 2.8 | 0 | 3.1 | 0 | 0 | 0.9 | 0.9 | 0 | 0.4 | 71.4 | 100 | 11621 | 457 | |
| unprotected well | 0 | 8.5 | 3.7 | 1.8 | 2.9 | 3.3 | 0 | 2.1 | 0 | 0.5 | 1 | 0 | 0.2 | 0 | 0.3 | 0 | 2.1 | 73.2 | 100 | 19341 | 705 | |
| public tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 8 | 1 | |
| private tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 52.5 | 100 | 54 | 2 | |
| protected spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unprotected spring | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 100 | 357 | 8 | |
| rain water collection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 23 | 1 | |
| tank/pond | 0 | 0 | 0 | 6.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 87.6 | 100 | 394 | 12 | |
| other surface water | 0 | 0.3 | 0 | 0 | 3.9 | 0 | 0 | 0 | 87.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.4 | 100 | 42 | 6 | |
| others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | 0 | 6.4 | 2.5 | 1.5 | 4.3 | 4.2 | 0 | 1.9 | 3.4 | 0.3 | 1.5 | 0 | 0.2 | 0.7 | 0.5 | 0 | 1.3 | 71.1 | 100 | 42481 | 1652 | |
| no.of house holds | estd.(00) | 8 | 2727 | 1052 | 642 | 1811 | 1764 | 4 | 789 | 1462 | 145 | 653 | 0 | 102 | 307 | 194 | 76 | 542 | 30204 | 42481 | X | X |
| | sample | 1 | 105 | 43 | 26 | 74 | 73 | 1 | 36 | 55 | 5 | 24 | 0 | 3 | 11 | 6 | 7 | 21 | 1161 | 1652 | X | X |

| Table 71: Percentage distribution of households by supplementary sources of drinking water for different principal sources of drinking water | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|---------------------------|--------------------------|------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|-------------------------|-------------------|------------|--------|
| Kerala | | | | | | | | | | | | | | | Urban | | | | | | | |
| principal sources of drinking water | | supplementary sources of drinking water | | | | | | | | | | | | | | | | | | no. of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from | public tap/stand pipe | tube well | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | no supplementary source | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | | all | all |
| bottled water | | 0 | 17.3 | 0 | 0 | 0 | 11.5 | 0 | 11.2 | 15.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.8 | 100 | 709 | 25 |
| piped water into dwelling | | 1.4 | 0 | 0 | 0.9 | 0 | 7.9 | 0 | 6.4 | 7.6 | 0 | 3.9 | 0 | 0 | 0 | 0 | 0 | 0 | 71.9 | 100 | 7127 | 285 |
| piped waterto yard /plot | | 0 | 1.7 | 0 | 2.3 | 0 | 1.5 | 0 | 6.2 | 24.3 | 1.2 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 100 | 1660 | 66 |
| piped water from neighbour | | 0 | 0 | 0 | 0 | 6.2 | 0 | 0 | 0 | 12.5 | 6.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.3 | 100 | 514 | 23 |
| public tap/stand pipe | | 1.1 | 0 | 0 | 1.3 | 0 | 12 | 0 | 3.8 | 16.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65.7 | 100 | 2161 | 83 |
| tube well | | 0 | 1.9 | 0 | 0 | 11.2 | 0 | 0 | 0 | 5.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.3 | 100 | 2808 | 116 |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| protected well | | 1.1 | 4.9 | 3.4 | 1.4 | 1.6 | 4.2 | 0 | 0 | 4.4 | 0 | 0.7 | 0 | 0 | 0.2 | 0 | 0 | 0.1 | 78 | 100 | 6471 | 285 |
| unprotected well | | 0.5 | 7.6 | 2.5 | 0.5 | 2.5 | 3.7 | 0 | 0.4 | 0 | 1 | 1.3 | 0 | 0.1 | 0 | 0.7 | 0 | 0.1 | 78.9 | 100 | 19810 | 819 |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| private tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 25 | 1 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| rain water collection | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| tank/pond | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 0.7 | 4.9 | 1.7 | 0.8 | 2.3 | 4.7 | 0 | 1.9 | 4.7 | 0.6 | 1.5 | 0 | 0.1 | 0 | 0.3 | 0 | 0.1 | 75.6 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 302 | 2038 | 717 | 320 | 950 | 1928 | 0 | 802 | 1933 | 259 | 615 | 0 | 28 | 11 | 134 | 0 | 30 | 31218 | 41285 | X | X |
| | sample | 11 | 88 | 29 | 12 | 36 | 83 | 0 | 25 | 75 | 10 | 21 | 0 | 1 | 1 | 2 | 0 | 2 | 1307 | 1703 | X | X |

| Table 71: Percentage distribution of households by supplementary sources of drinking water for different principal sources of drinking water | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|---------------------------|--------------------------|------------------|-----------------------|-----------|-----------|-----------|-------------|--------------|---------|-----------|-------------|-----------------------|---------------|---------------------|--------|-------------------------|-------------------|------------|--------|
| Kerala | | | | | | | | | | | | | | | Rural + Urban | | | | | | | |
| principal sources of drinking water | | supplementary sources of drinking water | | | | | | | | | | | | | | | | | | no. of households | | |
| | | bottled water | piped water into dwelling | piped water to yard/plot | piped water from | public tap/stand pipe | tube well | hand pump | well | | tanker truck | | spring | | rain water collection | surface water | | others | no supplementary source | all | estd. (00) | sample |
| | | | | | | | | | protected | unprotected | public | private | protected | unprotected | | tank/pond | other surface water | | | | all | all |
| bottled water | 0 | 17.3 | 0 | 0 | 0 | 11.5 | 0 | 11.2 | 15.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.8 | 100 | 709 | 25 | |
| piped water into dwelling | 1.1 | 0 | 0 | 0.7 | 4.8 | 7.2 | 0 | 5.8 | 9 | 0 | 3 | 0 | 0.4 | 0.3 | 0 | 0 | 0 | 67.7 | 100 | 9639 | 384 | |
| piped waterto yard /plot | 0 | 0.6 | 0 | 0.8 | 5.7 | 1.9 | 0 | 6 | 19.9 | 0.4 | 2.4 | 0 | 0 | 0 | 0 | 0 | 0 | 62.1 | 100 | 4851 | 203 | |
| piped water from neighbour | 0 | 0 | 0 | 0 | 12.6 | 0 | 0 | 0 | 6.6 | 3.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77.6 | 100 | 973 | 41 | |
| public tap/stand pipe | 0.8 | 0 | 0 | 6 | 0 | 10 | 0 | 2.9 | 16.1 | 0 | 0 | 0 | 0 | 0 | 0.9 | 0 | 0 | 63.3 | 100 | 2894 | 128 | |
| tube well | 0 | 3.5 | 0.1 | 0.2 | 7 | 0 | 0 | 1.4 | 4 | 0.6 | 0 | 0 | 0.5 | 2.2 | 0 | 0 | 1 | 79.5 | 100 | 6456 | 274 | |
| hand pump | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 98 | 3 | |
| protected well | 0.4 | 6 | 3.1 | 1.1 | 2.1 | 6.4 | 0 | 0 | 3.4 | 0 | 2.2 | 0 | 0 | 0.7 | 0.6 | 0 | 0.2 | 73.7 | 100 | 18091 | 742 | |
| unprotected well | 0.3 | 8.1 | 3.1 | 1.2 | 2.7 | 3.5 | 0 | 1.3 | 0 | 0.8 | 1.2 | 0 | 0.2 | 0 | 0.5 | 0 | 1.1 | 76.1 | 100 | 39152 | 1524 | |
| public tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 8 | 1 | |
| private tanker-truck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31.6 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 35.9 | 100 | 79 | 3 | |
| protected spring | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| unprotected spring | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 100 | 357 | 8 | |
| rain water collection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 23 | 1 | |
| tank/pond | 0 | 0 | 0 | 6.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 87.6 | 100 | 394 | 12 | |
| other surface water | 0 | 0.3 | 0 | 0 | 3.9 | 0 | 0 | 0 | 87.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.4 | 100 | 42 | 6 | |
| others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| all | 0.4 | 5.7 | 2.1 | 1.1 | 3.3 | 4.4 | 0 | 1.9 | 4.1 | 0.5 | 1.5 | 0 | 0.2 | 0.4 | 0.4 | 0 | 0.7 | 73.3 | 100 | 83766 | 3355 | |
| no.of house holds | estd.(00) | 310 | 4764 | 1769 | 962 | 2761 | 3692 | 4 | 1591 | 3395 | 404 | 1268 | 0 | 129 | 317 | 328 | 76 | 572 | 61422 | 83766 | X | X |
| | sample | 12 | 193 | 72 | 38 | 110 | 156 | 1 | 61 | 130 | 15 | 45 | 0 | 4 | 12 | 8 | 7 | 23 | 2468 | 3355 | X | X |

| Table 72: Percentage distribution of households by method of treatment of drinking water for different principal sources of drinking water | | | | | | | | | | | |
|--|-----------|---------------------------------------|---------|-----------|-----------|-----------------------|---------------------|-------------|-------------|-----------|------------|
| Kerala | | | | | | Rural | | | | | |
| principal source of drinking water | | method of treatment of drinking water | | | | | | | | no.of hhs | |
| | | treated with | | | | | | not treated | | | |
| | | electric purifier | boiling | chemicall | chemicall | non-electric purifier | filtered with cloth | others | not treated | all | estd. (00) |
| | | | | | | | | | | | sample |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| bottled water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| pipd water into dwelling | | 0.3 | 95 | 0 | 0 | 0 | 0 | 0 | 4.6 | 100 | 2512 |
| pipd waterto yard /plot | | 0.8 | 83.8 | 0 | 0 | 0 | 0 | 0 | 15.4 | 100 | 3191 |
| pipd water from neighbour | | 0 | 66.9 | 0 | 0 | 0 | 0 | 0 | 33.1 | 100 | 459 |
| public tap/stand pipe | | 0 | 86.4 | 0 | 4.6 | 0 | 0 | 0 | 9 | 100 | 733 |
| tube well | | 0.9 | 94.2 | 0 | 0 | 0.5 | 0 | 0 | 4.4 | 100 | 3648 |
| hand pump | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 98 |
| protected well | | 1.4 | 85 | 0 | 0.7 | 0.4 | 0 | 0 | 12.5 | 100 | 11621 |
| unprotected well | | 1.9 | 82.5 | 0.2 | 0 | 0.3 | 0 | 0 | 15.1 | 100 | 19341 |
| public tanker-truck | | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 8 |
| private tanker-truck | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 54 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 357 |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 23 |
| tank/pond | | 0 | 72.8 | 0 | 0 | 0 | 0 | 0 | 27.2 | 100 | 394 |
| other surface water | | 0 | 91.6 | 0 | 0 | 0 | 8.4 | 0 | 0 | 100 | 42 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 1.4 | 85 | 0.1 | 0.3 | 0.3 | 0 | 0 | 12.9 | 100 | 42481 |
| no.of house holds | estd.(00) | 606 | 36128 | 43 | 111 | 116 | 4 | 0 | 5474 | 42481 | X |
| | sample | 27 | 1404 | 1 | 4 | 5 | 1 | 0 | 210 | 1652 | X |

| Table 72: Percentage distribution of households by method of treatment of drinking water for different principal sources of drinking water | | | | | | | | | | | | |
|--|-----------|---------------------------------------|---------|-----------|-----------|-----------------------|---------------------|-------------|------|-----------|------------|--------|
| KeralaUrban | | | | | | | | | | | | |
| principal source of drinking water | | method of treatment of drinking water | | | | | | | | no.of hhs | | |
| | | treated with | | | | | | not treated | all | | | |
| | | electric purifier | boiling | chemicall | chemicall | non-electric purifier | filtered with cloth | | | others | estd. (00) | sample |
| | | | | | | | | | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| bottled water | | 0 | 14.4 | 0 | 0 | 0 | 0 | 0.7 | 84.9 | 100 | 709 | 25 |
| pipd water into dwelling | | 8 | 90.9 | 0 | 0 | 0.8 | 0 | 0 | 0.3 | 100 | 7127 | 285 |
| pipd waterto yard /plot | | 0 | 88.2 | 0 | 1.7 | 0 | 0 | 0 | 10.1 | 100 | 1660 | 66 |
| pipd water from neighbour | | 0 | 66.5 | 0 | 8.3 | 0 | 0 | 0 | 25.3 | 100 | 514 | 23 |
| public tap/stand pipe | | 0 | 81.9 | 0.7 | 0 | 0 | 0 | 0 | 17.4 | 100 | 2161 | 83 |
| tube well | | 2 | 94 | 0 | 0 | 0 | 0 | 0 | 4 | 100 | 2808 | 116 |
| hand pump | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| protected well | | 7.1 | 77.5 | 0 | 2.8 | 0.6 | 0 | 0 | 11.9 | 100 | 6471 | 285 |
| unprotected well | | 4.8 | 87.2 | 0 | 0 | 0.6 | 0.2 | 0 | 7.3 | 100 | 19810 | 819 |
| public tanker-truck | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| private tanker-truck | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 25 | 1 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| rain water collection | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| tank/pond | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| other surface water | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 4.9 | 85.1 | 0 | 0.6 | 0.5 | 0.1 | 0 | 8.8 | 100 | 41285 | 1703 |
| no.of house holds | estd.(00) | 2030 | 35101 | 16 | 253 | 215 | 47 | 5 | 3619 | 41285 | X | X |
| | sample | 72 | 1438 | 1 | 14 | 6 | 3 | 1 | 168 | 1703 | X | X |

| Table 72: Percentage distribution of households by method of treatment of drinking water for different principal sources of drinking water | | | | | | | | | | | | |
|--|-----------|---------------------------------------|---------|-----------|-----------|-----------------------|---------------------|-------------|------|-----------|------------|---------------|
| Kerala | | | | | | | | | | | | Rural + Urban |
| principal source of drinking water | | method of treatment of drinking water | | | | | | | | no.of hhs | | |
| | | treated with | | | | | | not treated | all | | | |
| | | electric purifier | boiling | chemicall | chemicall | non-electric purifier | filtered with cloth | | | others | estd. (00) | sample |
| | | | | | | | | | | | | |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| bottled water | | 0 | 14.4 | 0 | 0 | 0 | 0 | 0.7 | 84.9 | 100 | 709 | 25 |
| pipd water into dwelling | | 6 | 92 | 0 | 0 | 0.6 | 0 | 0 | 1.4 | 100 | 9639 | 384 |
| pipd waterto yard /plot | | 0.5 | 85.3 | 0 | 0.6 | 0 | 0 | 0 | 13.6 | 100 | 4851 | 203 |
| pipd water from neighbour | | 0 | 66.7 | 0 | 4.4 | 0 | 0 | 0 | 29 | 100 | 973 | 41 |
| public tap/stand pipe | | 0 | 83 | 0.5 | 1.2 | 0 | 0 | 0 | 15.3 | 100 | 2894 | 128 |
| tube well | | 1.4 | 94.1 | 0 | 0 | 0.3 | 0 | 0 | 4.3 | 100 | 6456 | 274 |
| hand pump | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 98 | 3 |
| protected well | | 3.4 | 82.4 | 0 | 1.4 | 0.5 | 0 | 0 | 12.3 | 100 | 18091 | 742 |
| unprotected well | | 3.4 | 84.8 | 0.1 | 0 | 0.4 | 0.1 | 0 | 11.1 | 100 | 39152 | 1524 |
| public tanker-truck | | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 8 | 1 |
| private tanker-truck | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 79 | 3 |
| protected spring | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| unprotected spring | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 357 | 8 |
| rain water collection | | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 23 | 1 |
| tank/pond | | 0 | 72.8 | 0 | 0 | 0 | 0 | 0 | 27.2 | 100 | 394 | 12 |
| other surface water | | 0 | 91.6 | 0 | 0 | 0 | 8.4 | 0 | 0 | 100 | 42 | 6 |
| others | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| all | | 3.1 | 85 | 0.1 | 0.4 | 0.4 | 0.1 | 0 | 10.9 | 100 | 83766 | 3355 |
| no.of house holds | estd.(00) | 2636 | 71229 | 59 | 364 | 331 | 50 | 5 | 9092 | 83766 | X | X |
| | sample | 99 | 2842 | 2 | 18 | 11 | 4 | 1 | 378 | 3355 | X | X |

| Table 73: Percentage distribution of households by method of taking out of stored drinking water from main container separately for different material of the main container | | | | | | | | | |
|--|-----------|--|--|--------------------|-----------------------|------------|-------|------------------|--------|
| Kerala | | | | | | Rural | | | |
| material of the main container | | percentage distribution of households storing drinking water by material of main container | method of taking out of stored drinkingwater | | | | | no.of households | |
| | | | through tap | vessel with handle | vessel without handle | poured out | all | estd. (00) | sample |
| | | | | | | | | all | all |
| earthen | | 2.6 | 3.6 | 58.3 | 5.3 | 32.8 | 100 | 1094 | 46 |
| plastic | | 21.6 | 33.1 | 33.8 | 6 | 27.1 | 100 | 9171 | 381 |
| other non-metal | | 0.6 | 15.1 | 17.1 | 0 | 67.8 | 100 | 268 | 18 |
| iron | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| copper | | 0.1 | 0 | 0 | 0 | 100 | 100 | 44 | 2 |
| stainless steel | | 63.9 | 2.7 | 52.5 | 10.8 | 34 | 100 | 27129 | 1018 |
| brass | | 0.4 | 0 | 32.6 | 15.3 | 52 | 100 | 186 | 10 |
| other metal | | 9.3 | 0.9 | 35.7 | 21.2 | 42.2 | 100 | 3934 | 152 |
| no storage | | 1.5 | x | x | x | x | x | x | x |
| all | | 100 | 9.3 | 46.6 | 10.5 | 33.6 | 100 | 41827 | 1627 |
| no.of house holds | estd.(00) | 42481 | 3892 | 19502 | 4392 | 14041 | 41827 | X | X |
| | sample | 1652 | 163 | 738 | 177 | 549 | 1627 | X | X |

| Table 73: Percentage distribution of households by method of taking out of stored drinking water from main container separately for different material of the main container | | | | | | | | | |
|--|-----------|--|--|--------------------|-----------------------|------------|-------|------------------|--------|
| Kerala | | | | | Urban | | | | |
| material of the main container | | percentage distribution of households storing drinking water by material of main container | method of taking out of stored drinkingwater | | | | all | no.of households | |
| | | | through tap | vessel with handle | vessel without handle | poured out | | estd. (00) | sample |
| | | | | | | | | all | all |
| earthen | | 1.7 | 37 | 18.7 | 26.8 | 17.5 | 100 | 722 | 28 |
| plastic | | 17.7 | 31.5 | 39.9 | 3.5 | 25.1 | 100 | 7318 | 311 |
| other non-metal | | 1.9 | 46.1 | 7.7 | 12 | 34.3 | 100 | 788 | 30 |
| iron | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| copper | | 0.2 | 0 | 65 | 0 | 35 | 100 | 69 | 3 |
| stainless steel | | 66 | 11.1 | 48.3 | 12.8 | 27.8 | 100 | 27229 | 1141 |
| brass | | 0.1 | 0 | 100 | 0 | 0 | 100 | 35 | 2 |
| other metal | | 8.8 | 1.2 | 44.7 | 20.7 | 33.4 | 100 | 3651 | 136 |
| no storage | | 3.6 | x | x | x | x | x | x | x |
| all | | 100 | 15.1 | 45.2 | 12 | 27.7 | 100 | 39812 | 1651 |
| no.of house holds | estd.(00) | 41285 | 6005 | 17979 | 4786 | 11041 | 39812 | X | X |
| | sample | 1703 | 226 | 781 | 209 | 435 | 1651 | X | X |

| Table 73: Percentage distribution of households by method of taking out of stored drinking water from main container separately for different material of the main container | | | | | | | | | |
|--|-----------|--|--|--------------------|-----------------------|------------|-------|------------------|--------|
| Kerala | | | Rural + Urban | | | | | | |
| material of the main container | | percentage distribution of households storing drinking water by material of main container | method of taking out of stored drinkingwater | | | | | no.of households | |
| | | | through tap | vessel with handle | vessel without handle | poured out | all | estd. (00) | sample |
| | | | | | | | | all | all |
| earthen | | 2.2 | 16.9 | 42.5 | 13.8 | 26.7 | 100 | 1816 | 74 |
| plastic | | 19.7 | 32.4 | 36.5 | 4.9 | 26.2 | 100 | 16489 | 692 |
| other non-metal | | 1.3 | 38.2 | 10.1 | 8.9 | 42.8 | 100 | 1055 | 48 |
| iron | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| copper | | 0.1 | 0 | 39.6 | 0 | 60.4 | 100 | 114 | 5 |
| stainless steel | | 64.9 | 6.9 | 50.4 | 11.8 | 30.9 | 100 | 54358 | 2159 |
| brass | | 0.3 | 0 | 43.2 | 12.9 | 43.9 | 100 | 221 | 12 |
| other metal | | 9.1 | 1 | 40 | 21 | 38 | 100 | 7585 | 288 |
| no storage | | 2.5 | x | x | x | x | x | x | x |
| all | | 100 | 12.1 | 45.9 | 11.2 | 30.7 | 100 | 81638 | 3278 |
| no.of house holds | estd.(00) | 83766 | 9897 | 37481 | 9178 | 25082 | 81638 | X | X |
| | sample | 3355 | 389 | 1519 | 386 | 984 | 3278 | X | X |

Appendix B

Sample Design and Estimation Procedure

Appendix B

Sample Design and Estimation Procedure

1. Introduction

1.1 The National Sample Survey (NSS), set up by the Government of India in 1950 to collect socio-economic data employing scientific sampling methods, conducted its 76th round during July 2018 - December 2018. The 76th round of NSS was earmarked for surveys on Drinking water, Sanitation, Hygiene, Housing conditions and survey of persons on disabilities.

2. Outline of survey programme

2.1 **Geographical coverage:** The survey covered the whole of Indian Union except the villages in Andaman and Nicobar Islands which were difficult to access.

2.2 **Period of survey and work programme:** The field work of the survey was carried out from 1st July, 2018 to 31st December 2018. There was no sub-round restriction in the sample design of this round. However, considering the operational convenience and workload in the field, it was felt that even though sub-round wise allocation was not done in sample design, sub-round assignment is useful for uniform spread of work in field. Hence distribution of sample units was made uniform over two quarters of the survey.

2.3 **Schedules of enquiry:** During this round, three schedules of enquiry were canvassed:

| | |
|----------------|---|
| Schedule 0.0 : | list of households |
| Schedule 1.2 : | drinking water, sanitation, hygiene and housing condition |
| Schedule 26 : | survey of persons with disabilities |

2.4 **Participation of States:** All the States and Union Territories except Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli and Lakshadweep participated. Following is the matching pattern of the participating States/ UTs.

| State/UT | Extent of matching |
|-----------------------|--------------------|
| Nagaland (U) | triple |
| Manipur, Telangana | double |
| Maharashtra (U) | one and half |
| Remaining States/ UTs | equal |

3. Sample Design

3.1 Formation of sub-units (SUs):

3.1.1 **Rural areas:** In usual NSS rounds, large sample villages are divided into a number of sub-divisions called hamlet-groups based on population (approximate present population) of the villages during survey. This procedure was modified in this round. During this round, a rural village was notionally divided into a number of sub-units (SU) of more or less equal population during the preparation of frame. Census 2011 population of villages was projected by applying suitable growth rates and the number of SUs were formed in a village apriori.

3.1.2 The above procedure of SU formation was implemented in the villages with population *more than or equal to 1,000 as per Census 2011*. In the remaining villages, no SU was formed.

3.1.3 The number of SUs formed in the villages (with Census 2011 population 1,000 or more) of the frame was decided before selection of the samples following the criteria given below:

| projected population of the village | no. of SUs formed |
|-------------------------------------|-------------------|
| less than 1,200 | 1 |
| 1,200 to 2,399 | 2 |
| 2,400 to 3,599 | 3 |
| 3,600 to 4,799 | 4 |
| 4,800 to 5,999 | 5 |
|and so on | |

3.1.4 Special case:

3.1.4.1 For rural areas of (i) Himachal Pradesh, (ii) Sikkim, (iii) Andaman & Nicobar Islands, (iv) Uttarakhand (except four districts Dehradun, Nainital, Hardwar and Udham Singh Nagar), (v) Punch, Rajouri, Udhampur, Reasi, Doda, Kishtwar, Ramban, Ladakh region (Leh and Kargil districts) of Jammu and Kashmir and (vi) Idukki district of Kerala, numbers of SUs formed in a village were determined in such a way that each SU contains 600 or less projected population. Further, SUs were not formed in the villages in the above mentioned districts/States with population less than 500 as per Census 2011. In the remaining villages, the number of SUs formed for these States/districts was as follows:

| projected population of the village | no. of SUs formed |
|-------------------------------------|-------------------|
| less than 600 | 1 |
| 600 to 1,199 | 2 |
| 1,200 to 1,799 | 3 |
| 1,800 to 2,399 | 4 |
| 2,400 to 2,999 | 5 |
|and so on | |

3.1.4.2 For rural parts of Kerala, similar procedure as mentioned in para 3.1.3 above was adopted with the modification that the SUs were formed within Panchayat Wards instead of villages.

3.1.5 **Urban areas:** SUs were formed in urban sector also. The procedure was similar to that adopted in rural areas except that SUs were formed on the basis of households in the UFS frame. Each UFS block with number of households more than or equal to 200 was divided into a number of SUs. In the remaining UFS blocks, no SU was formed.

3.2 Outline of sample design: A stratified two stage design was adopted for the 76th round survey. *The first stage units (FSU) were villages/UFS blocks/sub-units (SUs) as per the situation.* The ultimate stage units (USU) were households in both the sectors.

3.3 Sampling Frame for First Stage Units:

3.3.1 There was no SU formation in uninhabited villages and villages (Panchayat wards for Kerala) with population less than 1,000 as per Census 2011 (less than 500 as per Census 2011 for the areas mentioned in para 3.1.4.1) and entire village was considered as one FSU. All such villages (Panchayat wards for Kerala) were the First Stage Units (FSUs).

3.3.2 In the remaining villages, notional sub-units (SUs) following the procedure as described in para 3.1.1 were formed. Such SUs were considered as First Stage Units (FSUs).

3.3.3 For the UFS blocks with less than 200 households, the entire UFS block was considered as one FSU. In the remaining UFS blocks, the SUs were considered as First Stage Units (FSUs).

3.3.4 List of FSUs as described above was the sampling frame for respective cases.

3.4 Stratification:

- (a) Each district was considered as a stratum. Within each district of a State/UT, generally speaking, two basic strata were formed: (i) rural stratum comprising of all rural areas of the district and (ii) urban stratum comprising of all the urban areas of the district. However, within the urban areas of a district, if there were one or more towns with

population one million or more as per Census 2011, each of them was considered as a separate basic stratum and the remaining urban areas of the district were considered as another basic stratum.

- (b) A special stratum, in the rural areas only, was formed at State/UT level before district level strata were formed in each State/UT. This stratum comprised all the uninhabited villages of the State/UT as per Census 2011. However, this special stratum was formed if at least 50 such villages were available in a State/UT.

3.5 Sub-stratification:

3.5.1 Rural sector: Two groups of villages were formed within each stratum (except special stratum):

Group 1: all villages (Panchayat wards for Kerala) with Census 2011 population less than 1,000 (less than 500 for special cases mentioned in 3.1.4.1)

Group 2: remaining villages

In both the groups, number of sub-strata was formed in the following manner:

The sample size for a rural stratum was allocated among 2 groups in proportion to population. Let r_1 and r_2 be the allocations to Group 1 and Group 2 respectively. The villages within each group were first arranged in ascending order of population. Then ' $r_1/2$ ' and ' $r_2/2$ ' sub-strata were demarcated in Group 1 and Group 2 respectively in such a way that each sub-stratum comprised of a group of villages (all SUs of a village considered together) of the arranged frame and had more or less equal population. Sub-stratum numbers in Group 2 started from 11.

If number of villages in Group 1 was very small, no sub-stratum was formed.

3.5.2 Urban sector: Let ' u ' be the sample size allocated for an urban stratum. For all strata, if ' $u/2 > 1$ ', implying formation of 2 or more sub-strata, all the UFS blocks within the stratum were first arranged in ascending order of total number of households in the UFS blocks as per urban frame. Then sub-strata were demarcated in such a way that each sub-stratum comprised a group of UFS blocks (all SUs within the block taken together) having more or less equal number of households.

3.6 Total sample size (FSUs): 9,000 FSUs were allocated for the central sample at all-India level. For the state sample, 9,690 FSUs were allocated at the all-India level.

3.7 Allocation of total sample to States and UTs: The total number of sample FSUs was allocated to the States and UTs in proportion to population as per Census 2011 subject to a minimum sample allocation to each State/UT.

3.8 Allocation of State/ UT level sample to rural and urban sectors: State/UT level sample size was allocated between two sectors in proportion to population as per Census 2011 with 1.5 weightage to urban sector. A minimum of 4 FSUs, each for rural and urban sector separately, were allocated to each State/UT. For more urbanised big States like Maharashtra, Tamil Nadu etc., the urban allocation was limited to rural sample size to avoid undue weightage to urban sector.

3.9 Allocation to strata: Within each sector of a State/ UT, the respective sample size was allocated to the different strata in proportion to the population as per Census 2011. Stratum level allocation was adjusted to multiples of 2 with a minimum sample size of 2.

For special stratum formed at state level as mentioned in para 3.4(b), 2 FSUs were allocated.

3.10 Allocation to sub-strata:

3.10.1 Rural: Allocation was 2 for each sub-stratum.

3.10.2 Urban: Allocation was 2 for each sub-stratum for urban sector.

3.11 Selection of FSUs within a stratum/sub-stratum:

3.11.1 From all the sub-strata of Group 1 within each stratum of rural sector, required number of FSUs was selected by Probability Proportional to Size With Replacement (PPSWR) scheme with Census 2011 population as size.

3.11.2 From the remaining sub-strata of a rural stratum, and all sub-strata in urban sector within each stratum, required number of FSUs was selected by Simple Random Sampling With Replacement (SRSWR) scheme.

3.11.3 FSUs were selected by Simple Random Sampling With Replacement (SRSWR) scheme in the special stratum formed in rural sector at the State/UT level.

3.11.4 No sub-sample wise selection was done in this round and FSUs were selected in the form of single sample only.

3.12 Formation of sub-units and listing of households

3.12.1 Procedure of formation of SUs: After identification of the boundaries of the village/ UFS block which contains the sample FSU, the village/ UFS block was divided into the number of SUs (say, D) as given in the sample list by more or less equalising the present population of the village/UFS block in which the sample FSUs was located. It was ensured that SUs formed were clearly identifiable in terms of physical landmarks. For villages/blocks where the number of SUs to be formed was 1 as per the sample list, no SU was formed.

3.12.2 Listing of households: All the households of the sample FSU were listed. Temporarily locked households were also listed after ascertaining the temporariness of locking of households through local enquiry.

3.13 Formation of second stage strata (SSS) and allocation of households in different SSS:

3.13.2A cut-off point 'A' was determined from household's usual monthly consumer expenditure collected in Schedule 21.1: Domestic Tourism Expenditure of NSS 72nd round (July 2014 - June 2015) data (with proper adjustments using price indices) for each NSS region for both rural and urban areas separately, in such a way that top 10% of the population had MPCE more than or equal to 'A'.

3.13.3 Composition of the SSS and number of households surveyed from different SSS for both rural and urban sectors was as follows:

| SSS | composition of SSS | number of households allocated |
|--------------|---------------------------------|--------------------------------|
| SSS 1: | households having $MPCE \geq A$ | 2 |
| SSS 2: | remaining households | 10 |
| Total | | 12 |

3.14 Selection of households: The sample households from each SSS were selected by SRSWOR.

4. Estimation Procedure

4.1 Notations:

s = subscript for s-th stratum

t = subscript for t-th sub-stratum

i = subscript for i-th FSU [SU/ village (panchayat ward)/ block]

j = subscript for j-th second stage stratum in an FSU

k = subscript for k-th sample household within an FSU

N = total number of FSUs in any rural/urban sub-stratum

Z = total size of villages in a rural sub-stratum (where villages are selected as FSUs i.e. sub-stratum numbers 01 - 10)

z = size of sample FSU used for selection in sub-stratum numbers 01 - 10

n = number of sample FSUs surveyed including 'uninhabited' and 'zero cases' but excluding casualty for a particular sub-stratum

H = total number of households listed in a second-stage stratum of an FSU

h = number of households surveyed in a second-stage stratum of an FSU

x, y = observed value of characteristics x, y under estimation

\hat{X} , \hat{Y} = estimate of population total X, Y for the characteristics x, y

Under the above symbols,

y_{stijk} = observed value of the characteristic y for the k-th household of the j-th second stage stratum of the i-th FSU for the t-th sub-stratum of s-th stratum.

However, for ease of understanding, a few symbols have been suppressed in following paragraphs where they are obvious.

4.2 Formulae for Estimation of Aggregates for a stratum \times sub-stratum:

4.2.1 Schedules 1.2:

4.2.1.1 Rural:

4.2.1.1.1 Case 1: Sub-strata of special Stratum (i.e. stratum = 99 and sub-stratum = 01)

(i) For j-th second-stage:

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} \left[\frac{H_{ij}}{h_{ij}} \sum_{k=1}^{h_{ij}} y_{ijk} \right]$$

4.2.1.1.2 Case 2: Sub-strata of Group 1 villages (Sub-stratum Number: 01, 02, ..., 10)

(i) For j-th second-stage stratum of a stratum \times sub-stratum:

$$\hat{Y}_j = \frac{Z}{n_j} \sum_{i=1}^{n_j} \frac{1}{z_i} \left[\frac{H_{ij}}{h_{ij}} \sum_{k=1}^{h_{ij}} y_{ijk} \right]$$

4.2.1.1.3 Case 3: Sub-strata of Group 2 villages (Sub-stratum Number: 11 onwards)

(i) For j-th second-stage stratum of a stratum \times sub-stratum:

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} \left[\frac{H_{ij}}{h_{ij}} \sum_{k=1}^{h_{ij}} y_{ijk} \right]$$

4.2.1.1.3 For all second-stage strata combined:

$$\hat{Y} = \sum_j \hat{Y}_j$$

4.2.1.2 Urban:

4.2.1.2.1 (i) For j-th second-stage stratum of a stratum \times sub-stratum:

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} \left[\frac{H_{ij}}{h_{ij}} \sum_{k=1}^{h_{ij}} y_{ijk} \right]$$

(ii) For all second-stage strata combined:

$$\hat{Y} = \sum_j \hat{Y}_j$$

4.3 Overall Estimate for Aggregates for a stratum:

Overall estimate for a stratum (\hat{Y}_s) was obtained as

$$\hat{Y}_s = \sum_t \hat{Y}_{st}$$

4.4 Overall Estimate of Aggregates at State/UT/all-India level:

The overall estimate \hat{Y} at the State/ UT/ all-India level was obtained by summing the stratum estimates \hat{Y}_s over all strata belonging to the State/ UT/ all-India.

4.5 Estimates of Ratios:

Let \hat{Y} and \hat{X} be the overall estimates of the aggregates Y and X for two characteristics y and x respectively at the State/ UT/ all-India level.

Then the combined ratio estimate (\hat{R}) of the ratio ($R = \frac{Y}{X}$) was obtained as $\hat{R} = \frac{\hat{Y}}{\hat{X}}$.

4.6 Estimates of Error: The estimated variances of the above estimates are as follows:

4.6.1 For aggregate \hat{Y} :

$$V\hat{ar}(\hat{Y}) = \sum_s V\hat{ar}(\hat{Y}_s) = \sum_s \sum_t V\hat{ar}(\hat{Y}_{st})$$

Rural

(a) **Sub-strata of special stratum (i.e. stratum = 99 and sub-stratum = 01):**

$$V\hat{ar}(\hat{Y}_{st}) = V\hat{ar}_{srswr}(\hat{Y}_{st}) = \left[\sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} (N_{st} \hat{Y}_{sti} - \hat{Y}_{st})^2 \right]$$

$$\text{where } N_{st} \hat{Y}_{sti} = \sum_j \sum_k y_{stijk} \times n_{st} \times multiplier \dots\dots\dots(i)$$

(b) **Sub-strata of Group 1 villages (Sub-stratum Number: 01, 02, ,10):**

$$V\hat{ar}(\hat{Y}_{st}) = V\hat{ar}_{ppswr}(\hat{Y}_{st}) = \left[\sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} \left(\frac{Z_{st} \hat{Y}_{sti}}{z_{sti}} - \hat{Y}_{st} \right)^2 \right],$$

$$\text{where } \frac{Z_{st}}{z_{sti}} \hat{Y}_{sti} = \sum_j \sum_k y_{stijk} \times n_{st} \times multiplier \dots\dots\dots(ii)$$

(c) Sub-strata of Group 2 villages (Sub-stratum Number: 11 onwards):

$$V\hat{a}r(\hat{Y}_{st}) = V\hat{a}r_{srswr}(\hat{Y}_{st}) = \left[\sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} (N_{st} \hat{Y}_{sti} - \hat{Y}_{st})^2 \right]$$

where $N_{st} \hat{Y}_{sti}$ is same as given in 4.6.1 a(i)

Urban:

$$V\hat{a}r(\hat{Y}_{st}) = V\hat{a}r_{srswr}(\hat{Y}_{st}) = \left[\sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} (N_{st} \hat{Y}_{sti} - \hat{Y}_{st})^2 \right]$$

where $N_{st} \hat{Y}_{sti}$ is same as given in 4.6.1 a(i)

4.6.2 For ratio \hat{R} :

$$M\hat{S}E(\hat{R}) = \frac{1}{\hat{X}^2} \sum_s \left[\sum_t M_{st} + \sum_{t'} M_{st'} \right]$$

where t, t' indicate respectively the sub-strata with PPSWR and SRSWR selection at first stage.

Rural:**(a) Sub-strata of special stratum (i.e. stratum = 99 and sub-stratum = 01):**

$$M_{st'} = \frac{1}{n_{st'}(n_{st'}-1)} \sum_{i=1}^{n_{st'}} \left[N_{st'} (\hat{Y}_{st'i} - \hat{R} \hat{X}_{st'i}) - (\hat{Y}_{st'} - \hat{R} \hat{X}_{st'}) \right]^2$$

where

$$N_{st'} \hat{Y}_{st'i} = \sum_j \sum_k y_{st'ijk} \times n_{st'} \times multiplier \dots\dots\dots(iii)$$

$$\text{and } N_{st'} \hat{X}_{st'i} = \sum_j \sum_k x_{st'ijk} \times n_{st'} \times multiplier \dots\dots\dots(iv)$$

(b) Sub-strata of Group 1 villages (Sub-stratum Number: 01, 02, ..., 10):

$$M_{st} = \frac{1}{n_{st}(n_{st} - 1)} \sum_{i=1}^{n_{st}} \left[\frac{Z_{st}}{z_{sti}} (\hat{Y}_{sti} - \hat{R}\hat{X}_{sti}) - (\hat{Y}_{st} - \hat{R}\hat{X}_{st}) \right]^2$$

where

$$\frac{Z_{st}}{z_{sti}} \hat{Y}_{sti} = \sum_j \sum_k y_{stijk} \times n_{st} \times multiplier \quad \text{and}$$

$$\frac{Z_{st}}{z_{sti}} \hat{X}_{sti} = \sum_j \sum_k x_{stijk} \times n_{st} \times multiplier$$

(c) Sub-strata of Group 2 villages (Sub-stratum Number: 11 onwards):

$$M_{st'} = \frac{1}{n_{st'}(n_{st'} - 1)} \sum_{i=1}^{n_{st'}} \left[N_{st'} (\hat{Y}_{st'i} - \hat{R}\hat{X}_{st'i}) - (\hat{Y}_{st'} - \hat{R}\hat{X}_{st'}) \right]^2$$

Where

$N_{st'} \hat{Y}_{st'i}$ and $N_{st'} \hat{X}_{st'i}$ are same as given in 4.6.2 a(iii) and 4.6.2 a(iv) respectively.

Urban:

$$M_{st'} = \frac{1}{n_{st'}(n_{st'} - 1)} \sum_{i=1}^{n_{st'}} \left[N_{st'} (\hat{Y}_{st'i} - \hat{R}\hat{X}_{st'i}) - (\hat{Y}_{st'} - \hat{R}\hat{X}_{st'}) \right]^2$$

Where

$N_{st'} \hat{Y}_{st'i}$ and $N_{st'} \hat{X}_{st'i}$ are same as given in 4.6.2 a(iii) and 4.6.2 a(iv) respectively.

4.6.3 Estimates of Relative Standard Error (RSE):

$$R\hat{S}E(\hat{Y}) = \frac{\sqrt{V\hat{a}r(\hat{Y})}}{\hat{Y}} \times 100$$

$$R\hat{S}E(\hat{R}) = \frac{\sqrt{M\hat{S}E(\hat{R})}}{\hat{R}} \times 100$$

5. Multipliers:

The formulae for multipliers at stratum/sub-stratum/second-stage stratum level for a schedule type are given below:


| sch type | sector | multipliers |
|----------|--|--|
| 1.2 | rural (sub-strata of special stratum i.e. stratum = 99) | $\frac{N_{st}}{n_{stj}} \times \frac{H_{stij}}{h_{stij}}$ |
| | rural (sub-stratum number: 01, 02, ..., 10) | $\frac{Z_{st}}{n_{stj}} \times \frac{1}{z_{sti}} \times \frac{H_{stij}}{h_{stij}}$ |
| | rural (sub-stratum number: 11 onwards) | $\frac{N_{st}}{n_{stj}} \times \frac{H_{stij}}{h_{stij}}$ |
| | urban | $\frac{N_{st}}{n_{stj}} \times \frac{H_{stij}}{h_{stij}}$ |
| | j = 1, 2 for Schedule 1.2 and j = 1, 2, 3, 4, 5, 6, 7 for Schedule 26 | |

For estimating any characteristic for any domain not specifically considered in sample design, indicator variable was used. Multipliers were computed on the basis of information available in the listing schedule irrespective of any misclassification observed between the listing schedule and detailed enquiry schedule.

Table 1: Allocation of sample FSUs at state/UT level for central and state sample

NSS 76th Round

| State/UT | number of sample FSUs | | | | | |
|-------------------|-----------------------|-------------|-------------|--------------|-------------|-------------|
| | central sample | | | state sample | | |
| | total | rural | urban | total | rural | urban |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| ANDHRA PRADESH | 328 | 200 | 128 | 328 | 200 | 128 |
| ARUNACHAL PRADESH | 98 | 66 | 32 | 98 | 66 | 32 |
| ASSAM | 300 | 228 | 72 | 300 | 228 | 72 |
| BIHAR | 586 | 466 | 120 | 586 | 466 | 120 |
| CHHATTISGARH | 180 | 114 | 66 | 180 | 114 | 66 |
| GOA | 20 | 10 | 10 | 20 | 10 | 10 |
| GUJARAT | 406 | 204 | 202 | 406 | 204 | 202 |
| HARYANA | 184 | 102 | 82 | 184 | 102 | 82 |
| HIMACHAL PRADESH | 82 | 56 | 26 | 82 | 56 | 26 |
| JAMMU & KASHMIR | 150 | 88 | 62 | 150 | 88 | 62 |
| JHARKHAND | 216 | 134 | 82 | 216 | 134 | 82 |
| KARNATAKA | 410 | 210 | 200 | 410 | 210 | 200 |
| KERALA | 284 | 142 | 142 | 284 | 142 | 142 |
| MADHYA PRADESH | 496 | 314 | 182 | 496 | 314 | 182 |
| MAHARASHTRA | 780 | 390 | 390 | 976 | 390 | 586 |
| MANIPUR | 188 | 108 | 80 | 376 | 216 | 160 |
| MEGHALAYA | 110 | 74 | 36 | 110 | 74 | 36 |
| MIZORAM | 102 | 52 | 50 | 102 | 52 | 50 |
| NAGALAND | 76 | 46 | 30 | 136 | 46 | 90 |
| ODISHA | 308 | 236 | 72 | 308 | 236 | 72 |
| PUNJAB | 200 | 104 | 96 | 200 | 104 | 96 |
| RAJASTHAN | 440 | 284 | 156 | 440 | 284 | 156 |
| SIKKIM | 68 | 44 | 24 | 68 | 44 | 24 |
| TAMIL NADU | 516 | 258 | 258 | 516 | 258 | 258 |
| TELANGANA | 248 | 126 | 122 | 496 | 252 | 244 |
| TRIPURA | 188 | 114 | 74 | 188 | 114 | 74 |
| UTTAR PRADESH | 1042 | 700 | 342 | 1042 | 700 | 342 |
| UTTARAKHAND | 84 | 54 | 30 | 84 | 54 | 30 |
| WEST BENGAL | 652 | 384 | 268 | 652 | 384 | 268 |
| A & N ISLANDS | 24 | 14 | 10 | | | |
| CHANDIGARH | 16 | 4 | 12 | | | |
| D & N HAVELI | 16 | 8 | 8 | | | |
| DAMAN & DIU | 16 | 8 | 8 | 16 | 8 | 8 |
| DELHI | 140 | 24 | 116 | 210 | 36 | 174 |
| LAKSHADWEEP | 16 | 8 | 8 | | | |
| PUDUCHERRY | 30 | 10 | 20 | 30 | 10 | 20 |
| ALL-INDIA | 9000 | 5384 | 3616 | 9690 | 5596 | 4094 |

A blue oval with a white border, containing the title text.

Appendix C

Facsimile of Schedule 1.2

| | | |
|-------|--|---|
| RURAL | | * |
| URBAN | | |

Appendix C

| | | |
|---------|--|---|
| CENTRAL | | * |
| STATE | | |

GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY OFFICE
SOCIO-ECONOMIC SURVEY
SEVENTY-SIXTH ROUND: JULY 2018 – DECEMBER 2018
SCHEDULE 1.2: DRINKING WATER, SANITATION, HYGIENE
and HOUSING CONDITION

| | | | |
|---|--|--|--|
| [0] descriptive identification of sample household | | | |
| 1. state/u.t.: | | 5. investigator unit number /block number: | |
| 2. district: | | 6. sample sub-unit (SU) number | |
| 3. sub-district/tehsil/town:* | | 7. name of head of household: | |
| 4. village name: | | 8. name of informant: | |

| [1] identification of sample household | | | | | | | | | |
|---|-----------------------------------|------|---|---|--|----------|--|------|--|
| item no. | item | code | | | | item no. | item | code | |
| 1. | srl. no. of sample FSU | | | | | 6. | serial number of informant (as in column 1 of block 3) | | |
| 2. | round number | 7 | | 6 | | 7. | response code | | |
| 3. | schedule number | 1 | 2 | 0 | | 8. | survey code | | |
| 4. | second-stage stratum number (1/2) | | | | | 9. | reason for substitution of original household (code) | | |
| 5. | sample household number | | | | | | | | |

Codes for Block 1

item 7: **response code**: informant: *co-operative and capable* - 1, *co-operative but not capable* - 2, *busy* - 3, *reluctant* - 4, *others* - 9.

item 8: **survey code**: household surveyed: *original* - 1, *substitute* - 2; *casualty* - 3.

item 9: **reason for substitution of original household**:

informant busy - 1, *members away from home* - 2, *informant non-cooperative* - 3, *others* - 9.

* tick mark (✓) may be put in the appropriate place.

[3] Demographic and other particulars of household members

[illegible]

Note: col. 11 to col. 14 will be filled in after canvassing block 5.

Codes for Block 3

- col. 3: **relation to head:** self - 1, spouse of head - 2, married child - 3, spouse of married child - 4, unmarried child - 5, grandchild - 6, father/ mother/ father-in-law/ mother-in-law - 7, brother/ sister/ brother-in-law/ sister-in-law/ other relatives - 8, servant/ employees/ other non-relatives - 9.
- col. 4: **gender:** male - 1, female - 2, transgender - 3.
- col. 6: **marital status:** never married - 1, currently married - 2, widowed - 3, divorced/ separated - 4.
- col. 7: **highest level of education:** not literate - 01, literate without any schooling - 02, literate without formal schooling: through NFEC - 03, through TLC/ AEC - 04, others - 05; literate with formal schooling: below primary - 06, primary - 07, upper primary/ middle - 08, secondary - 10, higher secondary - 11, diploma / certificate course (upto secondary) - 12, diploma/ certificate course (higher secondary) - 13, diploma/ certificate course (graduation & above) - 14, graduate - 15, post graduate and above - 16.
- col. 8: **usual principal activity status:**
- worked in household enterprise (self-employed): own account worker - 11, employer - 12,
 - worked as helper in household enterprise (unpaid family worker) - 21;
 - worked as regular salaried/ wage employee - 31;
 - worked as casual wage labour: in public works - 41, in other types of work - 51;
 - did not work but was seeking and/ or available for work - 81,
 - attended educational institution - 91, attended domestic duties only - 92,
 - attended domestic duties and was also engaged in free collection of goods (vegetables, roots, firewood, cattle feed, etc.), sewing, tailoring, weaving, etc. for household use - 93,
 - rentiers, pensioners, remittance recipients, etc. - 94, not able to work due to disability - 95,
 - others (including begging, prostitution, etc.) - 97.
- col. 9: **industry:** 2-digit code as per NIC -2008.
- col. 10: **occupation:** 2-digit code as per NCO -2004.
- col. 11: **use of latrine:** regularly - 1, occasionally - 2, never - 3.
- col. 12: **type of latrine used:** flush/pour-flush to: piped sewer system - 01, septic tank - 02, twin leach pit - 03, single pit - 04, elsewhere (open drain, open pit, open field, etc) - 05; ventilated improved pit latrine - 06, pit latrine with slab - 07, pit latrine without slab/ open pit - 08, composting latrine - 10, others - 19.
- col. 14: **reason for not using latrine:** latrine has no superstructure - 1, latrine is not clean/ sufficient water is not available in the latrine - 2, malfunctioning of the latrine - 3, shortage of latrine - 4, latrine is used for other purposes - 5, lack of privacy/ safety - 6, personal preference - 7, cannot afford charges for paid latrine - 8, others - 9.

| [4] household characteristics | | | | | | | | | | |
|---|--|--|--|---|---|---|--|--|--|--|
| 1. | household size | | <i>amount spent by the household on construction/first-hand purchase of houses/ flats for residential purpose and sources of finance</i> | | | | | | | |
| 2. | religion (code) | | 12. | whether spent any amount during last 365 days ? (yes-1, no-2) | | | | | | |
| 3. | social group (code) | | 13. | for 1 in item 12 | | | amount spent (Rs.) | | | |
| 4. | land possessed as on the date of survey (code) | | 14. | | | | sources of finance (codes) | | | |
| <i>household's usual monthly consumer expenditure (Rs.)</i> | | | | | | | (four different sources in descending order of amount financed) | | | |
| 5. | usual consumer expenditure in a month for household purposes out of purchase (A) | | | | | | | | | |
| 6. | imputed value of usual consumption in a month from home grown stock (B) | | <i>benefit received by the household from government schemes for drinking water, sanitation, housing, electrification, LPG connection facilities</i> | | | | | | | |
| 7. | imputed value of usual consumption in a month from wages in kind, free collection, gifts, etc. (C) | | | facility | whether ever received any benefit? (yes - 1, no - 2, not known - 3) | if ever received any benefit, whether received benefit during last 3 years (yes - 1, no - 2, not known - 3) | if received any benefit during last 3 years, scheme from which maximum benefit was received (code) | | | |
| 8. | expenditure on purchase of household durables during last 365 days (D) | | | | | | | | | |
| 9. | usual monthly consumer expenditure [A + B + C +(D/12)] | | 15.1 | drinking water | | | | | | |
| | | | 15.2 | sanitation | | | | | | |
| | | | 15.3 | housing | | | | | | |
| | | | 15.4 | electrification | | | | | | |
| | | | 15.5 | LPG connection | | | | | | |
| 10. | tenorial status of dwelling (code) | | <i>maximum distance normally travelled to the place of work:</i> | | | | | | | |
| | | | 16.1 | among the male earners (code) | | | | | | |
| 11. | for 1 to 5 or 9 in item 10, area type in which the dwelling unit is located (code) | | 16.2 | among the female earners (code) | | | | | | |
| | | | 16.3 | among the transgender earners (code) | | | | | | |

Codes for Block 4

item 2: **religion:** Hinduism - 1, Islam - 2, Christianity - 3, Sikhism - 4, Jainism - 5, Buddhism - 6, Zoroastrianism - 7, others - 9.

item 3: **social group:** scheduled tribe (ST) - 1, scheduled caste (SC) - 2, other backward class (OBC) - 3, others - 9.

item 4: **land possessed:**

| area in hectare | code | area in hectare | code |
|-----------------------|------|-------------------------------------|------|
| less than 0.005 | 01 | 2.01 – 3.01 | 07 |
| 0.005 - 0.02 | 02 | 3.01 - 4.01 | 08 |
| 0.02 - 0.21 | 03 | 4.01 - 6.01 | 10 |
| 0.21 - 0.41 | 04 | 6.01 - 8.01 | 11 |
| 0.41 - 1.01 | 05 | | |
| 1.01 – 2.01 | 06 | greater than or equal to 8.01 | 12 |

Note 1: 1 acre = 0.4047 hectare, 1 hectare = 10,000 square metre.

Note 2: Entry will be '99' if the sample household does not possess any land.

item 10: **tenurial status of dwelling:** owned: freehold - 1, leasehold - 2; hired: employer quarter - 3, hired dwelling unit with written contract - 4, hired dwelling unit without written contract - 5; others - 9, no dwelling - 6.

item 11: **area type of dwelling unit:** notified slum - 1, non-notified slum - 2, squatter settlement - 3, other areas - 9.

item 14: **sources of finance:**

| | | | |
|---|----|---------------------------------------|----|
| own source (including own labour) | 01 | | |
| institutional agencies | | non-institutional agencies | |
| government..... | 02 | self help group..... | 08 |
| bank | 03 | money lender..... | 09 |
| insurance..... | 04 | friends and relatives..... | 10 |
| provident fund (advance/ loan)..... | 05 | other non-institutional agencies | 11 |
| financial corporation/ institution..... | 06 | | |
| other institutional agencies..... | 07 | | |

item 15.1: **schemes for drinking water:** National Rural Drinking Water Programme (NRDWP) - 1, Atal Mission for Rejuvenation and Urban Transformation (AMRUT) - 2, Smart Cities Mission - 3, other scheme - 9, not known - 5.

item 15.2: **schemes for sanitation:** Swachh Bharat Mission (SBM) - 1, Atal Mission for Rejuvenation and Urban Transformation (AMRUT) - 2, Smart Cities Mission - 3, other scheme - 9, not known - 5.

item 15.3: **schemes for housing:** Pradhan Mantri Awaas Yojana (PMAY) - 1, other scheme - 9, not known - 5.

item 15.4: **schemes for electrification:** Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) - 1, other scheme - 9, not known - 5.

item 15.5: **schemes for LPG connection:** Pradhan Mantri Ujjwala Yojana (PMUY) - 1, other scheme - 9, not known - 5.

item 16.1-16.3: **distance:** not required to travel - 1; travelled a distance of: less than 1 k.m. - 2, 1 to 5 k.m. - 3, 5 to 10 k.m. - 4, 10 to 15 k.m. - 5, 15 to 30 k.m. - 6, 30 k.m. or more - 7.

| [5] particulars of living facilities: drinking water, bathroom, sanitation, etc. | | | | | | | | | | |
|--|---|---|--|--|-----|-----|------------|-----|-----|-----|
| srl. no. | item | | | | | | code/entry | | | |
| (1) | (2) | | | | | | (3) | | | |
| A. drinking water | | | | | | | | | | |
| 1. | principal source of drinking water (bottled water - 01, piped water into dwelling - 02, piped water to yard/plot - 03, piped water from neighbour - 04, public tap/standpipe - 05, tube well - 06, hand pump - 07, well: protected - 08, unprotected - 09; tanker-truck: public - 10, private - 11; spring: protected - 12, unprotected - 13; rainwater collection - 14, surface water: tank/pond - 15, other surface water (river, dam, stream, canal, lake, etc.) - 16; others (cart with small tank or drum, etc) - 19) | | | | | | | | | |
| 2. | whether availability of drinking water from the principal source is sufficient throughout the year? (yes - 1, no - 2) | | | | | | | | | |
| 3. | for 2 in item 2, during which calendar months of the year availability of drinking water was not sufficient? (record '1' against the applicable month(s) and rest of the months to be left blank) | | | | Jan | Feb | Mar | Apr | May | Jun |
| | | | | | | | | | | |
| | | | | | Jul | Aug | Sep | Oct | Nov | Dec |
| 4. | access to the principal source of drinking water (exclusive use of household - 1, common use of households in the building - 2, neighbour's source - 3, community use: public source restricted to particular community - 4, public source unrestricted - 5, private source restricted to particular community - 6, private source unrestricted - 7; others - 9) | | | | | | | | | |
| 5. | distance to the principal source of drinking water (within dwelling - 1, outside dwelling but within the premises - 2, outside premises: less than 0.2 k.m. - 3, 0.2 to 0.5 k.m. - 4, 0.5 to 1.0 k.m. - 5, 1.0 to 1.5 k.m. - 6, 1.5 k.m. or more - 7) | | | | | | | | | |
| 6. | | who fetches drinking water from principal source? (male members of the household of age: below 18 years - 1, 18 years or more - 2; female members of the household of age: below 18 years - 3, 18 years or more - 4; hired labour - 5, others - 9) | | | | | | | | |
| 7. | for 3 to 7 in item 5 | time taken for a single trip to reach the principal source of drinking water, obtain water and back to household (in minutes) [no decimal point] | | | | | | | | |
| 8. | | waiting time at the principal source of drinking water in a single trip (in minutes) [no decimal point] | | | | | | | | |
| 9. | | number of trips required in a day for fetching drinking water from principal source | | | | | | | | |
| 10. | for 02 to 14 in item 1, is there stagnant water around the source of drinking water? (yes - 1, no - 2) | | | | | | | | | |
| 11. | supplementary source of drinking water (code structure same as item 1: principal source of drinking water) | | | | | | | | | |
| 12. | method of treatment of drinking water by the household (treated: electric purifier - 1, boiling - 2, chemically treated with alum - 3, chemically treated with bleach/chlorine tablets - 4, non-electric purifier - 5, filtered with cloth - 6, others - 9; not treated - 7) | | | | | | | | | |
| 13. | material of the main container in which drinking water is stored (non-metal: earthen - 1, plastic - 2, other non-metal - 3; metal: iron - 4, copper - 5, stainless steel - 6, brass - 7, other metal - 8; no storage - 9) | | | | | | | | | |

continued to next page

| [5] particulars of living facilities: drinking water, bathroom, sanitation, etc. | | | |
|--|---|--|------------|
| srl. no. | item | | code/entry |
| (1) | (2) | | (3) |
| 14. | for 1 to 8 in item 13 | how long drinking water is stored in the main container? (less than 1 day - 1, 1 day or more but less than 3 days - 2, 3 days or more - 3) | |
| 15. | | whether drinking water stored in the main container is covered? (yes - 1, no - 2) | |
| 16. | | how drinking water is taken out from the main container? (through tap - 1, vessel with handle dipped in to take out water - 2, vessel without handle dipped in to take out water - 3, poured out - 4) | |
| B. water for all household activities | | | |
| 17. | principal source of water for all household activities excluding drinking (viz., cooking, washing, bathing, etc.) (code structure same as item 1: principal source of drinking water) | | |
| 18. | whether the household gets sufficient water throughout the year for all household activities (viz., drinking, cooking, washing, bathing, etc.)? (yes - 1, no - 2) | | |
| 19. | for 02 to 05, 10 and 11 in either item 1, 11 or 17, frequency of supply of water (daily - 1, once in two days - 2, once in three days - 3, once in a week - 4, others - 9) | | |
| 20. | for 02 and 03 in either item 1, 11 or 17, whether water is metered ? (yes - 1, no - 2) | | |
| 21. | amount paid (payable) per month for purchase of water/ to the delivery agency, organisation, office etc. for water charges | 21.1 whether any amount is usually paid in a month? (yes: information on full amount of payment is available - 1, information on some amount of payment is available - 2, no information on amount paid is separately available - 3; not required to pay - 4) | |
| | | 21.2 for 1 and 2 in item 21.1, average amount paid per month (Rs.) | |
| C. bathroom | | | |
| 22. | access of the household to bathroom (exclusive use of household - 1, common use of households in the building - 2, public/ community use without payment - 3, public/ community use with payment - 4, others - 9, no bathroom - 5) | | |
| 23. | for 1 to 4 and 9 in item 22, type of bathroom used by the household (used: attached to the dwelling unit - 1, detached to the dwelling unit but within the household premises - 2, others - 9; not used - 3) | | |
| 24. | distance from the bathing place (within dwelling - 1, outside dwelling but within the premises - 2, outside premises: less than 0.2 k.m. - 3, 0.2 to 0.5 k.m. - 4, 0.5 to 1.0 k.m. - 5, 1.0 k.m. to 1.5 k.m. - 6, 1.5 k.m. or more - 7) | | |
| D. latrine | | | |
| 25. | access of the household to latrine (exclusive use of household - 1, common use of households in the building - 2, public/ community latrine without payment - 3, public/ community latrine with payment - 4, others - 9, no latrine - 5) | | |
| 26. | for 1 to 4 and 9 in item 25, type of latrine used by the household (used: flush/pour-flush to: piped sewer system - 01, septic tank - 02, twin leach pit - 03, single pit - 04, elsewhere (open drain, open pit, open field, etc) - 05; ventilated improved pit latrine - 06, pit latrine with slab - 07, pit latrine without slab/ open pit - 08, composting latrine - 10, others - 19; not used - 11) | | |

continued to next page

| [5] particulars of living facilities: drinking water, bathroom, sanitation, etc. | | |
|--|---|------------|
| srl. no. | item | code/entry |
| (1) | (2) | (3) |
| 27. | whether bathroom and latrine both are within the household premises? <i>(yes - 1, no - 2)</i> | |
| 28. | for 1 in item 25 and 02 to 04, 06, 07 and 10 in item 26, whether excreta from septic tank/pit/composting latrine have ever been emptied? <i>(yes- 1, no - 2, not known - 3)</i> | |
| 29. | who emptied the excreta last time? <i>(panchayat/ municipality / corporation - 1, private agency - 2, hired labour engaged by the household - 3, member(s) of the household - 4, others - 9, not known - 5)</i> | |
| 30. | place of disposal of excreta last time <i>(treatment plant - 1, buried in covered twin leach pit/ single pit - 2, uncovered pit/ open land/ pond/ river etc. - 3, other places - 9, not known - 4)</i> | |
| 31. | for 1 in item 28 amount paid (payable) for emptying the excreta last time (Rs.) | |
| 32. | how frequently excreta is emptied? <i>(once or more in a year - 1, once in 2 years - 2, once in 5 years - 3, once in 10 years - 4, others - 9, not known - 5)</i> | |
| 33. | disposal of faeces for children of age below 3 years <i>(children used latrine -1, put/ rinsed into latrine - 2, put/ rinsed into drain or ditch - 3, thrown into garbage -4, thrown or left in open area -5, buried - 6, others - 9, not applicable -7)</i> | |
| 34. | for 01 to 08, 10, 19 in item 26, availability of water in or around the latrine used <i>(water is available with soap/ detergent - 1, water is available with ash/ mud/ sand etc. - 2, only water is available - 3; not available - 4)</i> | |
| E. practice of hand washing | | |
| 35. | whether household members regularly wash their hands before meal? <i>(yes: with water and soap/ detergent - 1, with water and ash/ mud/ sand etc.- 2, with water only - 3; no - 4)</i> | |
| 36. | whether household members regularly wash their hands after defecation? <i>(yes: with water and soap/ detergent - 1, with water and ash/ mud/ sand etc. - 2, with water only - 3; no - 4)</i> | |

| [6] housing characteristics and micro environment of the households living in houses (i.e., with codes 1, 2, 3, 4, 5 or 9 in item 10 of block 4) | | | | | | | |
|--|---|--------------------|--|--------------|---|---|---|
| srl. no. | item | | | code / entry | | | |
| (1) | (2) | | | (3) | | | |
| A. housing characteristics | | | | | | | |
| 1. | plinth level of the house (<i>in feet and in whole numbers</i>) (record '0', if there is no plinth) | | | | | | |
| 2. | number of floor (s) in the house | | | | | | |
| 3. | use of house (<i>residential only - 1, residential-cum-commercial - 2, residential-cum-others - 9</i>) | | | | | | |
| 4. | for 1 or 2 in item 10 of block 4, period since built (<i>less than 1 year - 01, 1 to 2 years - 02, 2 to 3 years - 03, 3 to 4 years - 04, 4 to 5 years - 05, 5 to 10 years - 06, 10 to 20 years - 07, 20 to 40 years - 08, 40 to 60 years - 10, 60 years or more - 11, not known - 12</i>) | | | | | | |
| 5. | for 01 to 05 in item 4 | year of start | | Y | Y | Y | Y |
| 6. | | year of completion | | | | | |
| 7. | condition of structure (<i>good - 1, satisfactory - 2, bad - 3</i>) | | | | | | |
| 8. | whether the household has electricity for domestic use? (<i>yes - 1, no - 2</i>) | | | | | | |
| 9. | for 1 in item 8, type of electric wiring (<i>conduit wiring - 1, fixed to the walls - 2, temporary - 3</i>) | | | | | | |
| 10. | drainage system of the household (<i>underground -1, covered pucca -2, open pucca -3, open katcha -4, no drainage -5</i>) | | | | | | |
| B. micro environment | | | | | | | |
| 11. | system of disposal of household waste water (<i>safe re-use after treatment -1, disposed off without treatment to: drainage system - 2, open low land areas/ streets - 3, ponds - 4, nearby river/ nalla - 5; disposed off with or without treatment to other places - 9, not known - 6</i>) | | | | | | |
| 12. | place of disposal of household garbage (<i>disposed to: bio-gas plant or manure pit - 1, household's individual dumping spot(s) - 2, community dumping spot (vat, container, etc.) - 3, common place other than community dumping spot (open area/ street/ open drain) - 4, others - 9; not known - 5</i>) | | | | | | |
| 13. | agency made arrangement for collection of garbage of the household (<i>panchayat/ municipality/ corporation - 1, resident/ group of residents - 2, others - 9, not known - 3; no arrangement - 4</i>) | | | | | | |
| 14. | for 3 and 4 in item 12, how frequently garbage is cleared? (<i>daily - 1, not daily but at least once in a week - 2, not even once in a week - 3, not known - 4</i>) | | | | | | |
| 15. | whether experienced any flood during last 5 years? (<i>yes: from excessive rain during monsoon - 1, from river, sea, etc. - 2; no -3</i>) | | | | | | |

continued to next page

| [6] housing characteristics and micro environment of the households living in houses (i.e., with codes 1, 2, 3, 4, 5 or 9 in item 10 of block 4) | | | |
|--|--|---|--------------|
| srl. no. | item | | code / entry |
| (1) | (2) | | (3) |
| 16. | approach road / lane / constructed path (direct opening to: <i>motorable road / lane / constructed path with street light</i> - 1, <i>motorable road / lane / constructed path without street light</i> - 2, <i>other road / lane / constructed path with street light</i> - 3, <i>other road / lane / constructed path without street light</i> - 4; <i>no direct opening to road / lane / constructed path</i> - 5) | | |
| 17. | whether the household faces problem of stagnant water in or around the household premises? (<i>yes</i> - 1, <i>no</i> - 2) | | |
| 18. | whether human faeces are visible in or around the household premises? (<i>yes</i> - 1, <i>no</i> - 2) | | |
| 19. | animal shed and poultry farm | 19.1 existence of animal shed/poultry farm (<i>attached to the house</i> - 1, <i>detached from the house</i> - 2, <i>no animal shed/poultry farm</i> - 3) | |
| | | 19.2 for 1 or 2 in item 19.1 , disposal of animal/poultry excreta (<i>to biogas plant</i> - 1, <i>manure pit</i> - 2, <i>used as fuel</i> - 3, <i>others</i> - 9, <i>not known</i> - 4) | |
| C. problem of flies and mosquitoes | | | |
| 20. | whether the household faced problem of flies/mosquitoes during last 365 days? (<i>yes: severe</i> - 1, <i>moderate</i> - 2; <i>no</i> - 3) | | |
| 21. | whether any effort was made by the Local Bodies/State Government during last 365 days to tackle problem of flies/mosquitoes? (<i>yes</i> - 1, <i>no</i> - 2, <i>not known</i> - 3) | | |
| 22. | for 1 or 2 in item 20 , whether any effort was made by the household during last 365 days to tackle problem of flies/mosquitoes? (<i>yes</i> - 1, <i>no</i> - 2) | | |
| D. specific types of illness of the household members during last 365 days | | | |
| 23. | whether any of the household member(s) suffered from the types of illness specified in items 23.1 to 23.5 during last 365 days? | 23.1 stomach problems like diarrhea/dysentery/cholera (<i>yes</i> - 1, <i>no</i> - 2) | |
| | | 23.2 malaria/dengue/chikungunya/encephalitis (<i>yes</i> - 1, <i>no</i> - 2) | |
| | | 23.3 skin diseases (<i>yes</i> - 1, <i>no</i> - 2) | |
| | | 23.4 jaundice (<i>yes</i> - 1, <i>no</i> - 2) | |
| | | 23.5 other diseases (<i>yes</i> - 1, <i>no</i> - 2) | |

Note: for items relating to 'house', information will be collected for the whole 'structure' in which the dwelling unit is located.

| [7] particulars of the dwelling of the households living in houses (i.e., with codes 1, 2, 3, 4, 5 or 9 in item 10 of block 4) | | | |
|--|--|---|--------------|
| srl. no. | item | | code / entry |
| (1) | (2) | | (3) |
| 1. | type of the dwelling (<i>independent house - 1, flat - 2, others - 9</i>) | | |
| 2. | number of rooms in the dwelling | living rooms | |
| 3. | | other rooms | |
| 4. | floor area of the dwelling <i>[in square feet and in whole numbers]</i> | living rooms | |
| 5. | | other rooms | |
| 6. | | covered veranda | |
| 7. | | uncovered veranda | |
| 8. | | total (sum of items 4 to 7) | |
| 9. | ventilation of the dwelling unit (<i>good - 1, satisfactory - 2, bad - 3</i>) | | |
| 10. | total number of married couples in the household | | |
| 11. | for entry > 0 in item 10 , number of married couples having separate room | | |
| 12. | kitchen type (<i>separate kitchen: with water tap - 1, without water tap - 2; no separate kitchen - 3</i>) | | |
| 13. | type of fuel used by household for cooking (<i>firewood, chips & crop residue - 01, LPG - 02, other natural gas - 03, dung cake - 04, kerosene - 05, coke / coal - 06, gobar gas - 07, other biogas - 08, charcoal - 09, electricity (incl. generated by solar or wind power generators) - 10, solar cooker - 11, others - 19, no cooking arrangement - 12</i>) | | |
| 14. | floor type (<i>mud - 1, bamboo / log - 2, wood / plank - 3, brick / stone / lime stone - 4, cement - 5, mosaic / tiles - 6, others - 9</i>) | | |
| 15. | wall type (<i>grass/ straw/ leaves/ reeds/ bamboo, etc. - 1, mud (with / without bamboo) / unburnt brick - 2, canvas / cloth - 3, other katcha - 4, timber - 5, burnt brick / stone / lime stone - 6, iron or other metal sheet - 7, cement / RBC / RCC - 8, other pucca - 9</i>) | | |
| 16. | roof type (<i>grass/ straw/ leaves/ reeds/ bamboo etc. - 1, mud / unburnt brick - 2, canvas / cloth - 3, other katcha - 4, tiles / slate - 5, burnt brick / stone / lime stone - 6, iron / zinc / other metal sheet / asbestos sheet - 7, cement / RBC / RCC - 8, other pucca - 9</i>) | | |
| 17. | if hired (i.e., for 3, 4 or 5 in item 10 of block 4) | monthly rent (Rs.) (<i>payable approach</i>) | |

| [8] some general particulars of the households living in houses (i.e., with codes 1, 2, 3, 4, 5 or 9 in item 10 of block 4) in respect of their stay in present area | | | |
|--|--|--|--------------|
| srl. no. | item | | code / entry |
| (1) | (2) | | (3) |
| A. for all households | | | |
| 1. | duration of stay of the household in the present area* (less than 1 year - 01, 1 to 2 years - 02, 2 to 5 years - 03, 5 to 10 years - 04, 10 to 20 years - 05, 20 to 40 years - 06, 40 to 60 years - 07, 60 years or more - 08, not known - 10) | | |
| 2. | for 01 in item 1 | where the household was residing before coming to the present area? (in slum/squatter settlement of the same town - 1, in other areas of the same town - 2, in slum/squatter settlement of other town - 3, in other areas of other town - 4, village - 5) | |
| 3. | | type of structure of the accommodation availed of immediately before coming to the present area (pucca - 1, semi-pucca - 2, katcha - 3, no dwelling - 4) | |
| 4. | | reason for movement to the present area (free / low rent - 1, independent accommodation - 2, accommodation in better locality - 3, employment related reasons: proximity to place of work - 4, other employment related reasons - 5; others - 9) | |
| 5. | number of members who moved into the household during the last 365 days | | |
| 6. | number of members who moved out of the household during the last 365 days | | |
| B. for households living in slums/squatter settlements (for urban only) (dwellings of area type code 1, 2 or 3 in item 11, block 4) | | | |
| 7. | does the head of the household possess any of the documents pertaining to the residence status in the present slum/squatter settlement? (possesses: ration card - 1, voter ID card - 2, passport - 3, any combination of codes 1 to 3 - 4, other - 9; none - 5) | | |
| 8. | whether the household received any benefit as a dweller of present slum/squatter settlement? (received allotment of land / tenement - 1, received other benefits - 9; received no benefit - 2) | | |
| 9. | whether the household tried to move out of the present slum/squatter settlement? (yes - 1, no - 2) | | |
| 10. | if 1 in item 9 , main reason (better accommodation - 1, proximity to place of work - 2, social / religious factors - 3, others - 9) | | |
| *: The present area is the area in which the household is being enumerated and is identified by the area types as recorded in item 11 of block 4 . Therefore, present area means present village for rural households and for urban households, present area means present notified slum or non-notified slum or squatter settlement or 'other areas' of the town . | | | |

| [2] particulars of field operations | | | | | | | | | | | | |
|-------------------------------------|--|--------------------------------|---|----|----|----|--|----|--|--|--|--|
| srl. no. | item | | Field Investigator (FI)/ Junior Statistical Officer (JSO) | | | | Field Officer (FO)/ Senior Statistical Officer (SSO) | | | | | |
| (1) | (2) | | (3) | | | | (4) | | | | | |
| 1 (a) | i) name (block letters) | | | | | | | | | | | |
| | ii) code | | | | | | | | | | | |
| | iii) signature | | | | | | | | | | | |
| 1 (b) | i) name (block letters) | | | | | | | | | | | |
| | ii) code | | | | | | | | | | | |
| | iii) signature | | | | | | | | | | | |
| 2. | date(s) of : | | DD | MM | YY | DD | MM | YY | | | | |
| | (i) survey/ inspection | | | | | | | | | | | |
| | (ii) receipt | | | | | | | | | | | |
| | (iii) scrutiny | | | | | | | | | | | |
| | (iv) despatch | | | | | | | | | | | |
| 3. | number of additional sheet(s) attached | | | | | | | | | | | |
| 4. | total time taken to canvass the schedule by the team of investigators (FI/JSO) (in minutes) [no decimal point] | | | | | | | | | | | |
| 5. | number of investigators (FI/JSO) in the team who canvassed the schedule | | | | | | | | | | | |
| 6. | whether remarks have been entered by FI/JSO/ supervisory officer (yes - 1, no - 2) | (i) in block 9/ block 10 | | | | | | | | | | |
| | | (ii) elsewhere in the schedule | | | | | | | | | | |

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| [9] remarks by investigator(s) (FI/JSO) |
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|--|
| [10] comments by supervisory officer(s) |
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