

THE NATIONAL SAMPLE SURVEY

SEVENTH ROUND : OCTOBER 1953—MARCH 1954

NUMBER 26

A PRELIMINARY REPORT ON HOUSING CONDITION

WITH A FOREWORD BY
P. C. MAHALANOBIS



सत्यमेव जयते



Issued by

The Cabinet Secretariat : Government of India

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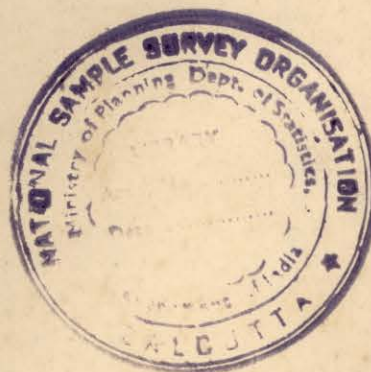
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A PRELIMINARY REPORT ON HOUSING CONDITION

FOREWORD

This is the first report on housing conditions and facilities for the whole of India and is based upon data collected by the National Sample Survey (NSS) during the seventh round between October 1953 and March 1954. Housing conditions are recognised as important indicators of the level of living. Housing surveys are also useful in economic analysis, for example, in studying rates of capital formation. The present report gives, for the first time, information on an all-India basis on accommodation, availability of drinking water, sanitary facilities; and material types of houses.

In rural India, one-third of the householders live in a single room, and another third in two rooms. In the urban areas, the proportion of single room and double room households was 44 per cent and 28 per cent respectively. Roughly one-tenth of the population had per capita accommodation less than 50 sq. feet, one-fourth less than 100 sq. feet, half less than 200 sq. feet, three-fourths less than 400 sq. feet, and only ten per cent of the population had more than 800 sq. feet per person.

Again, 63 per cent of the rural households lived in all-*kutcha* structures (made of bamboo-lattice, mud etc.), and only 3 per cent in all-*pucca* structures (made of bricks, mortar, cement etc.). In the urban area, nearly 25 per cent lived in all-*kutcha* structures and 28 per cent in all-*pucca* structures.

Drinking water from tube-wells was available to 3 per cent of the rural and 7 per cent of the urban population; less than half of one per cent of the rural people had tap water supply. Sanitary facilities like built-up latrines were available to only 5 per cent of rural households, and to 56 per cent of urban households among whom 35 per cent shared them with other households.

The Indian Statistical Institute was responsible for the survey design and also for the processing of the data. The field operation for West Bengal and the Bombay City was done by the Indian Statistical Institute; and the Directorate of the National Sample Survey, Government of India, was in charge of the field operations in the rest of India.

The report was prepared by Damodar Dutta with the assistance of Kalyan Das Gupta. Nalini Kanta De assisted in supervision of machine tabulation, Rajendra Chandra Roy in the punching, and Santi Prosad Ghosal in the computational work.

19 March 1960

P. C. MAHALANOBIS

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A PRELIMINARY REPORT ON HOUSING CONDITION

*This Preliminary Report on Housing Condition was prepared by the Indian Statistical Institute and is being published in the form in which it was submitted to the Government of India. The views contained in the report are not necessarily those of the Government of India.**

CHAPTER ONE

INTRODUCTION

1.1. Housing condition and related facilities determine the immediate environment of man. The development of physical and mental potentialities is in turn influenced by the environment in which he lives. Housing condition is, therefore, recognised as an important indicator of the level of living.

1.2. It is the general impression that the growth of housing accommodation could not keep pace with the growth of population in India, as in many other countries in recent times. The effects of the second world war, the movement of refugee population in the wake of partition and intensified rural-urban migration during the decade 1941-50 no doubt aggravated the situation. Supply of building materials and resources were severely restricted during the second world war and even the existing structures deteriorated through lack of maintenance and repairs. Most of the houses, in rural areas, are built of temporary or flimsy material and are thus liable to natural decay and destruction. Movement of population and migration in this way result in some houses decaying beyond repairs.

1.3. The problem of housing cannot be separated from the general problems of development. It is not just limited to the rate of population growth. Industrialisation with emphasis on development of heavy industries will create new urban centres and keep stimulating the rural-urban migration. Problems of break-up of the traditional ways of community living and re-establishment of new community living structures make the position more complex. Careful assessment is therefore necessary, not only of facts and trends but also of attitudes and inter-relations.

* The first draft report (No. D. 34) was submitted to the Government of India in December 1958.

National Sample Survey

1.4. The National Sample Survey (NSS)¹ started collecting some essential data on housing condition and facilities from the seventh round (October 1953—March 1954), more or less in an exploratory spirit. The intention was to have a broad idea of the factors and magnitudes involved, and also a few basic estimates for the country as a whole.

1.5. This preliminary report is mainly based on data collected in NSS seventh round. In that round, information on housing condition was collected from 4181 rural sample households in 943 sample villages, and 1713 urban sample households in 441 sample blocks of 53 sample towns and the four cities of Bombay, Calcutta, Delhi and Madras. The basic design of the survey was multi-stage sampling, after suitable stratification with the whole of India excluding Jammu and Kashmir under geographical coverage. For example, the 53 sample towns selected were allocated and drawn separately from four all-India population size-group of towns, those with population (i) 100,000 and above, (ii) between 50,000 and 100,000 (iii) between 15,000 and 50,000 and (iv) below 15,000, in appropriate proportions.

1.6. The distribution of sample villages among the Census Population Zones for rural India, and sample blocks among the different size-group of towns (including cities), is given in Table (1.1), along with the respective distributions of sample households.

TABLE (1.1): DISTRIBUTION OF SAMPLE VILLAGES/BLOCKS AND HOUSEHOLDS

population zone	rural		urban		
	number of sample		population size group of towns	number of sample	
	villages	house-holds		blocks	house-holds
(1)	(2)	(3)	(1)	(2)	(3)
1. North India	146	697	1. below 15,000	64	330
2. East India	244	1073	2. 15,000-50,000	84	326
3. South India	160	706	3. 50,000-100,000	71	249
4. West India	127	552	4. 100,000-above	138	455
5. Central India	147	667	5. cities (Bombay Calcutta, Delhi and Madras)	84	353
6. North-West India	119	486			
7. all India (rural)	943	4181	6. all India (urban)	441	1713

¹ NSS has been collecting data on consumption, employment, small scale and manufacturing industries, land utilisation and other socio-economic aspects round after round. In each round, the emphasis is laid on a particular subject of study.

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1.7. Information on housing condition and facilities was collected in the body of NSS seventh round schedule 1.0 (Consumer Expenditure Schedule); a number of other classificatory characters of the sample household were also available in the schedule. Facsimile of the relevant *rubrics* of the schedule are reproduced below.

[3] CLASSIFICATORY CHARACTERS	[17] HOUSING CONDITION
1. household size	1. plinth type
2. household land possessed (acres 00.00)	2. wall type
3. household industry-occupation code.....	3. roof type
4. expenditure code	4. latrine type
5. religion code	5. drinking water
6. group code	6. period built since
7. mother tongue code	7. period repaired since
	8. number of rooms
	9. floor space (sq. ft.)
	10. cost of construction and improve- ment of house during year ended on..... (Rs. 00).....

1.8. Information on rent actually paid, or imputed, when the house was owned, was also collected in other parts of the schedule, but difficulty was experienced by the field staff in imputing the rent as similar houses were not given on rent in most villages at all.

1.9. It is necessary to explain here that in this survey all the data collected related to the sample household; and housing condition and facilities thus relate to the precincts occupied by the household. The house was therefore used in a limited sense and was different, for example, from a census house in which more than one household could live. In Census 1951 in fact 1.12 and 1.14 households were found on the average in one house, in the rural and urban sectors respectively.

1.10. This is perhaps the first venture of its kind to study housing condition on an all-India basis. The concepts and definitions of the various terms used in the survey will naturally take time to stabilise; the results may therefore be taken more as indicative of dimensions involved.

1.11. Of the remaining five chapters, the second gives a summary of the main results and the following three chapters make critical studies of housing accommodation, sources of drinking water supply and sanitary facilities, and the types of materials used in construction of houses. The last chapter deals with comparisons of NSS results with ALE figures and also makes a study of internal consistency of results of a few selected items. There is an Appendix which gives detailed tables.

CHAPTER TWO

SUMMARY OF MAIN RESULTS

2.1. In this chapter summary of the main results on different aspects of housing condition, namely, (i) housing accommodation, (ii) drinking water supply and sanitary facilities, (iii) material type of houses, is presented. The results of rural and urban sectors on each topic are shown together to facilitate comparative study.

HOUSING ACCOMMODATION

2.2. *Number of persons and number of rooms per household :* In rural India 33.99 and 32.30 per cent households live in one room and two rooms respectively. The percentages of one-member and two-member households however are 7.55 and 9.41 for rural India. In urban sector 43.64 per cent and 28.16 per cent households live in one room and two rooms respectively, but there are only 15.81 per cent one-member and 11.49 per cent two-member households. The percentage of households possessing more than 6 rooms is 3.79 for rural sector and 5.55 for urban sector.

2.3. *Average number of persons per room :* Of the rural households, 26.61 per cent and of the urban households, 23.33 per cent have more than 3 persons per room. 8.41 per cent of the rural households, and 9.71 per cent of the urban households have less than 1 person per room.

2.4. *Household floor space :* Of the rural households 14.96 and of the urban households 25.94 per cent occupy 100 square feet or less each. 11.97 per cent of the rural households and 7.05 per cent of the urban households possess more than 900 square feet each.

2.5. *Floor space per person :* Such rural households whose members enjoy up to 50 square feet of floor space per head constitute 14.23 per cent of the total. For urban sector that percentage is 21.14. Up to 100 square feet of floor space is enjoyed by 38.47 per cent of rural and 45.82 per cent of urban households. Of the rural households 8.33 per cent and of the urban households 7.86 per cent have per person a floor space above 300 square feet. The average floor space per household in rural and urban sectors are respectively 99.49 and 85.69 square feet.

2.6. *Household occupation and accommodation :* In rural sector 54.00 per cent of agricultural labour households as against 16.34 per cent of farmer households live in single rooms. In urban areas 65.57 per cent of manual worker households as against 26.32 per cent for office worker households live in single rooms. Further, 70.65 per cent of the office worker households and 94.38 per cent of the manual worker households occupy 500 square feet or less each. In rural areas, the proportion of farmer and agricultural labour households occupying 500 square feet of floor space or less are 54.78 and 84.58 per cent respectively. 53.67

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per cent of manual worker households in urban area and 26.96 per cent agricultural labour households in rural areas occupy 100 square feet of floor space or less each.

DRINKING WATER SUPPLY AND SANITARY FACILITIES

2.7. *Source of drinking water* : Of the rural population 71.86 per cent and of the urban population 42.35 per cent have wells as Their source of drinking water. Tubewells are the source of drinking water for 3.13 per cent of the rural and 6.99 per cent of the urban population. Only 0.30 per cent of the rural, but 42.14 per cent of the urban population get tap water supply for drinking. The rest of the households gets their supply of drinking water from tanks, rivers, lakes, etc.

2.8. *Sanitary facilities* : Only 4.88 per cent of the rural households have built-up latrines; in urban areas 56.37 per cent of households use built-up latrines. 21.43 per cent of the urban households have these latrines for their exclusive use while 34.94 per cent use them in common with other households.

TYPES OF MATERIALS OF HOUSES

2.9. *Materials of plinths* : Of the rural households 84.55 per cent and of the urban households 44.35 per cent have mud plinths. At the other end, 12.25 per cent of the rural and 53.25 per cent of the urban households have plinths made of bricks or stones.

2.10. *Materials of walls* : Mud and bamboo are used predominantly in construction of walls in rural areas and 83.18 per cent of households have such walls. Of the rural households 15.46 per cent have brick or stone walls. In urban areas, 55.17 per cent of the households have brick or stone walls and 42.16 per cent have mud or bamboo walls.

2.11. *Materials of roofs* : Of the rural households 69.64 per cent and of the urban households 32.85 per cent have roofs made of straw or mud tiles (mud *khola*) and 4.07 and 29.50 per cent of households in rural and urban areas respectively have pucca roof.

2.12. *Overall material types* : A combination of mud, bamboo and straw has been considered as all kutch type and one of stones, bricks and mortar considered as all pucca type. Of the rural households 63.35 per cent and of the urban households 24.49 per cent live in all kutch structures, and 2.66 per cent of the rural and 27.64 per cent of the urban households live in all pucca structures. Of the agricultural labour households 73.78 per cent and of the manual workers households 34.36 per cent live in all kutch structures. In the rural area of all the households spending less than Rs.51 a month, only 1.64 per cent occupy pucca houses. The comparative figure for urban area is 23.24 per cent.

CHAPTER THREE

HOUSING ACCOMMODATION

3.1. The extent of accommodation required by a household depends generally on its size, and age, sex and marital status of its members and is also strongly influenced by income, occupation and cultural traditions of the members. Geographical factors like climate are also important. In this chapter, however, the data on housing accommodation have been studied only in relation to size of household and also by household occupation, that is, the occupation generating the maximum income.

3.2. Table (3.1) shows the distribution of rural households by number of persons and number of rooms. A room here means a construction used for living purposes with a roof overhead and walls on all sides.

TABLE (3.1): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF PERSONS AND NUMBER OF ROOMS, RURAL AREAS

number of sample households : 4181

number of persons in household	number of rooms					total
	1	2	3	4-6	7-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. one	4.36	1.89	0.54	0.45	0.31	7.55
2. two	4.57	3.47	0.67	0.49	0.21	9.41
3. three	6.39	5.09	1.94	1.28	0.13	14.83
4. four	6.15	6.04	2.78	1.86	0.14	16.97
5. five	5.76	5.35	2.21	1.75	0.43	15.50
6. six to nine	6.42	9.08	5.52	6.55	1.49	29.06
7. above nine	0.34	1.38	1.23	2.65	1.08	6.68
8. total	33.99	32.30	14.89	15.03	3.79	100.00

3.3. Of the total number of rural households, 33.99 per cent occupy one room and a further 32.30 per cent occupy two rooms each. 3.79 per cent of rural households occupy more than six rooms each. 7.55 per cent of rural households are one-member and 9.41 per cent two-member, and 6.68 per cent have ten or more members each. On the one hand 1.30 per cent of the households are one-member occupying more than two rooms each and on the other hand 12.52 per cent of the households consisting of more than four members each occupy only one room.

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3.4. Table (3.2) gives the corresponding distribution for the urban areas of India.

TABLE (3.2): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF PERSONS AND NUMBER OF ROOMS, URBAN AREAS

number of persons in household	number of sample households: 1713					
	number of rooms					total
	1	2	3	4-6	7-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. one	12.53	2.13	0.51	0.21	0.43	15.81
2. two	6.64	2.71	0.88	0.65	0.61	11.49
3. three	7.19	3.91	0.82	1.02	0.25	13.19
4. four	5.50	5.24	1.90	1.22	0.58	14.44
5. five	5.38	3.81	2.12	1.51	0.58	13.40
6. six to nine	5.84	9.37	5.02	4.38	1.73	26.34
7. above nine	0.56	0.99	0.75	1.66	1.37	5.33
8. total	43.64	28.16	12.00	10.65	5.55	100.00

3.5. The percentage of households occupying one room each is 43.64 in the urban sector. The proportions of households occupying two, three and four to six rooms each for the urban sector are less than the corresponding proportions for the rural sector; and the percentage for seven or more rooms is more in the urban than in the rural areas. Of the urban total, the percentage of one-member households occupying three rooms or more each is 1.15 and that of households with more than four members occupying a single room each is 11.78. Thus the concentrations, expressed in percentages, at these two extremes for the urban sector are less than the corresponding figures for the rural sector.

3.6. A distribution of households by number of persons per room is shown in Table (3.3) separately for rural and urban areas (including cities) and for the cities.

TABLE (3.3): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF PERSONS PER ROOM

number of persons per room	sector		
	rural	urban	cities
(1)	(2)	(3)	(4)
1. below 1.0	8.41	9.71	3.60
2. 1.0-1.5	18.53	22.90	31.63
3. 1.5-2.0	11.70	9.17	6.44
4. 2.0-3.0	34.75	34.89	29.72
5. above 3.0	26.61	23.33	28.61
6. total	100.00	100.00	100.00
7. number of sample households	4181	1713	353

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3.7. The proportions of households having less than 1 person per room are 8.41 per cent in the rural areas, 9.71 per cent in the urban areas (including cities) and only 3.60 per cent in the cities. In 26.61 per cent and 23.33 per cent of the households in the rural and urban areas respectively, the number of persons per room is more than three; for the cities this proportion is somewhat higher (28.61 per cent). Nearly two-thirds of the households of all the areas, however, have 1 to 3 persons living in a room.

3.8. Since the rooms are of varying sizes, distribution of households by floor space will give some additional information. Table (3.4) shows this distribution separately for the rural and urban areas. The total floor space covered by rooms as well as covered verandahs has been taken into account.

TABLE (3.4): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE

floor space (sq. ft.)	percentage		cumulative percentage	
	rural	urban	rural	urban
(1)	(2)	(3)	(4)	(5)
1. below 51	4.13	10.09	4.13	10.09
2. 51—100	10.83	15.85	14.96	25.94
3. 101—200	25.52	24.96	40.48	50.90
4. 201—300	16.15	14.19	56.63	65.09
5. 301—400	11.62	10.11	68.25	75.20
6. 401—500	7.12	5.92	75.37	81.12
7. 501—600	5.27	4.28	80.64	85.40
8. 601—700	2.19	3.16	82.83	88.56
9. 701—800	2.40	1.85	85.23	90.41
10. 801—900	2.80	2.54	88.03	92.95
11. above 900	11.97	7.05	100.00	100.00
12. total	100.00	100.00	—	—
13. number of sample households	4181	1713	—	—

3.9. In the rural areas, 4.13 per cent of the households occupy less than 51 sq. feet of floor space as compared with 10.09 per cent in the urban areas. Of the rural households 75 per cent and 81 per cent of the urban households occupy floor space up to 500 square feet and 11.97 per cent of rural and 7.05 per cent of urban households have over 900 sq. feet of floor space.

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3.10. The distribution of households by floor space per person is shown in Table (3.5).

TABLE (3.5): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE PER PERSON

floor space per person (sq. ft.)	percentage			cumulative percentage		
	rural	urban	cities	rural	urban	cities
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. below 26	6.68	5.33	3.71	6.68	5.33	3.71
2. 26 — 50	7.55	15.81	29.73	14.23	21.14	33.44
3. 51 — 75	9.41	11.49	9.69	23.64	32.63	43.13
4. 76—100	14.83	13.19	10.27	38.47	45.82	53.40
5. 101—150	16.97	14.44	10.21	55.44	60.26	63.61
6. 151—200	15.50	13.40	13.82	70.94	73.66	77.43
7. 201—250	11.96	11.68	7.30	82.90	85.34	84.73
8. 251—300	8.77	6.80	6.03	91.67	92.14	90.76
9. above 300	8.33	7.86	9.24	100.00	100.00	100.00
10. total	100.00	100.00	100.00	—	—	—
11. number of sample households	4181	1713	353	—	—	—

3.11. It will be seen that 14.23 per cent of the rural households, 21.14 per cent of the urban (including cities) and 33.44 per cent of the city households have up to 50 sq. feet of floor space per person. As expected the city households are more crowded than the urban ones and in turn the urban households are more crowded than the rural ones. The average floor space per household has been calculated at 99.49 square feet in the rural areas, 85.69 square feet in the urban areas and 66.55 square feet in the four cities.

3.12. Table (3.6) shows the distribution of households by number of rooms and different occupational groups in the rural areas. The households have been grouped into four classes namely, (i) farmers, i.e., those cultivating mainly through hired labourers, (ii) cultivators (including sharecroppers), (iii) agricultural labourers and (iv) others.

3.13. Just over half or 54.00 per cent of the agricultural labour households live in one-room houses as compared with 24.27 per cent cultivator, 16.34 per cent of the farmer households and 39.49 per cent of households with other occupations. It will be seen from the percentage distributions that the farmers have better housing facilities than the cultivators and households with other occupations. The housing condition of the agricultural labourers is the worst.

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TABLE (3.6): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS FOR DIFFERENT OCCUPATIONAL GROUPS, RURAL AREAS

rooms	household occupational groups				all occupations
	farmers	cultivators	agricultural labourers	others	
(1)	(2)	(3)	(4)	(5)	(6)
1. one	16.34	24.27	54.00	39.49	33.99
2. two	24.34	32.15	30.90	33.69	32.30
3. three	16.13	18.14	8.89	13.94	14.89
4. four to six	30.01	21.03	4.00	10.77	15.03
5. above six	13.18	4.41	2.21	2.11	3.79
6. total	100.00	100.00	100.00	100.00	100.00
7. number of sample households	216	2088	826	1051	4181

3.14. Table (3.7) shows similar distributions for the urban areas. The households here have been grouped into three classes namely, (i) office workers, (ii) manual workers and (iii) others.

TABLE (3.7): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS FOR DIFFERENT OCCUPATIONAL GROUPS, URBAN AREAS

number of rooms	household occupational groups			all occupations
	office workers	manual workers	others	
(1)	(2)	(3)	(4)	(5)
1. one	26.32	65.57	43.01	43.64
2. two	25.72	25.65	28.61	28.16
3. three	11.80	4.19	12.52	12.00
4. four to six	29.96	3.80	9.95	10.65
5. above six	6.20	0.79	5.91	5.55
6. total	100.00	100.00	100.00	100.00
7. number of sample households	95	115	1503	1713

3.15. As compared with 26.32 per cent for the office workers and 43.01 per cent for the households with various other occupations, 65.57 per cent of the manual-worker households live in one-room accommodation. Their housing condition is even worse than that of agricultural labourers.

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3.16. Further distributions by floor space for rural areas are shown in Table (3.8) arranged by different occupational groups.

TABLE (3.8): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE FOR DIFFERENT OCCUPATIONAL GROUPS, RURAL AREAS

floor space (sq. ft.)	household occupational groups				all occupa- tions
	farmers	cultiva- tors	agricul- tural labourers	others	
(1)	(2)	(3)	(4)	(5)	(6)
1. below 51	1.48	1.89	8.10	5.67	4.13
2. 51—100	3.99	5.63	18.86	13.97	10.83
3. 101—200	14.55	20.99	30.99	31.35	25.52
4. 201—300	16.60	16.62	13.87	16.84	16.15
5. 301—400	10.67	14.90	7.71	9.27	11.62
6. 401—500	7.49	8.37	5.05	7.70	7.12
7. 501—600	7.66	6.85	1.77	4.35	5.27
8. 601—700	2.86	2.84	1.13	1.63	2.19
9. 701—800	2.47	3.33	1.25	1.54	2.40
10. 801—900	3.07	3.70	0.93	2.44	2.80
11. above 900	29.16	14.88	10.34	5.24	11.97
12. total	100.00	100.00	100.00	100.00	100.00
13. number of sample households	216	2088	826	1051	4181

3.17. In terms of floor space, about 55 per cent of the farmer households, 68 per cent of the cultivator households and 85 per cent of the agricultural labourer households as well as 85 per cent of other households live within 500 sq. feet of area. A good proportion lives in much smaller space, as will be seen from the figures above. Only about 29 per cent of the households of farmers, 15 per cent of cultivators, 10 per cent of agricultural labourers and 5 per cent of others have floor space above 900 sq. feet.

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3.18. Table (3.9) shows similar distribution for urban areas.

TABLE (3.9): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE FOR DIFFERENT OCCUPATIONAL GROUPS, URBAN AREAS

floor space (sq. ft.)	household occupational groups			all occupations
	office workers	manual workers	others	
(1)	(2)	(3)	(4)	(5)
1. below 51	8.17	23.30	9.30	10.09
2. 51—100	10.14	30.37	15.19	15.85
3. 101—200	29.50	26.18	24.61	24.96
4. 201—300	13.31	8.90	14.60	14.19
5. 301—400	6.96	4.45	10.69	10.11
6. 401—500	2.57	1.18	6.45	5.92
7. 501—600	2.57	0.78	4.62	4.28
8. above 600	26.78	4.84	14.54	14.60
9. total	100.00	100.00	100.00	100.00
10. number of sample households	95	115	1503	1713

3.19. Taking all groups together, about 51 per cent of households live in floor space up to 200 sq. feet and 81 per cent up to 500 sq. feet. The proportions for the groups differ. For instance, about 48 per cent of the households of office workers, 80 per cent of the manual workers and 49 per cent of others have up to 200 sq. feet of space. At the other end, about 27 per cent of the households of office workers, only 5 per cent of the manual workers and 15 per cent of others have space over 600 sq. feet.

CHAPTER FOUR

DRINKING WATER SUPPLY AND SANITARY FACILITIES

4.1. The type of drinking water supply and the availability of sanitary facilities are important ancillary indicators of housing conditions. The data on these aspects are described in the present chapter.

4.2. Table (4.1) gives the percentage distributions of population and households by source of drinking water. The different sources of drinking water have been classified into five broad categories namely, (i) rivers, springs or lakes, (ii) tanks and ponds, (iii) wells, (iv) tubewells and (v) tap water supply.

TABLE (4.1): PERCENTAGE DISTRIBUTION OF POPULATION AND HOUSEHOLDS BY SOURCE OF DRINKING WATER

source of drinking water ^a	rural areas		urban areas	
	population	households	population	households
(1)	(2)	(3)	(4)	(5)
1. rivers or lakes	11.80	12.36	2.98	3.43
2. tanks	12.91	13.31	5.54	5.41
3. wells	71.86	70.70	42.35	40.49
4. tubewells	3.13	3.24	6.99	5.25
5. tap water supply	0.30	0.39	42.14	45.42
6. total	100.00	100.00	100.00	100.00
7. number of sample households		4181	—	1713

^a Miscellaneous sources such as canals, through water carriages by local bodies, railway engines, etc. cover less than 1 per cent and are therefore omitted from the classification.

4.3. Wells are the predominant source of drinking water in rural areas. 71.86 per cent of rural population (belonging to 70.70 per cent of total number of rural households) get their drinking water from wells. Tanks supply drinking water to nearly 13 per cent and rivers or lakes about 12 per cent of the rural population. Only 3.13 per cent get water from tubewells and the proportion provided with tap water supply is significant. In contrast, in urban areas water supply through taps covers 42.14 per cent of population (belonging to 45.42 per cent of households). Nearly an equal proportion, 42.35 per cent, gets their supply from wells. The remaining 15.51 per cent get their supply from the other sources.

4.4. In respect of sanitary facilities, households were classified under only three categories, namely, those with (i) built-up latrines in individual use, (ii) built-up latrines in common use with other households and (iii) no built-up latrines. Table (4.2) shows the distribution of households by different types.

TABLE (4.2): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF LATRINES

type of latrines (1)	percentage of households		
	rural (2)	urban (3)	cities (4)
1. built-up latrine in individual use	3.75	21.43	14.83
2. built-up latrine in common use with other households	1.13	34.94	74.56
3. no built-up latrines	95.12	43.63	10.61
4. total	100.00	100.00	100.00
7. number of sample households	4181	1713	353

4.5. In the rural areas, 95.12 per cent of the households do not use any built-up latrines at all. In the urban areas including the cities, 21.43 per cent of households have built-up latrines for individual use, 34.94 per cent use built-up ones in common with others and a little below half i.e., 43.63 per cent households do not use built-up latrines. For the 4 cities only, the position is very different. 14.83 per cent households have individual latrines, nearly three-fourths, 74.56 per cent, share built-up latrines with others and 10.61 per cent do not use built-up ones at all.

CHAPTER FIVE

TYPES OF MATERIALS OF HOUSES

5.1. The types of materials used for construction of houses, besides the economic conditions of the households, also depend on climate, topography and their easy availability. For classification by types of materials the three principal sections of a house namely, plinth, wall and roof have been considered.

5.2. Table (5.1) shows distribution of households by plinth material type of the houses¹ in their occupation. The materials used in construction of plinths are grouped under four broad categories :—(i) mud, (ii) timber (wood) or bamboo (reed), (iii) brick (cement) or stone, (iv) other materials (not covered above).

TABLE (5.1): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF MATERIALS USED FOR PLINTHS

material for plinth	percentage of households		
	rural	urban	cities
(1)	(2)	(3)	(4)
1. mud	84.55	44.35	20.13
2. timber or bamboo	2.67	1.75	0.93
3. brick or stone	12.25	53.25	78.01
4. other materials	0.53	0.65	0.93
5. total	100.00	100.00	100.00
6. number of sample households	4181	1713	353

5.3. In the rural areas, 84.55 per cent of the households live in houses which have plinths made of mud. In the urban areas including cities, 44.35 per cent live in houses with mud plinth as compared with 53.25 per cent living in houses with plinths of bricks or stones. In the 4 cities, a large majority namely, 78.01 per cent of households live in houses with plinths of bricks or stones. The proportion living in houses of mud plinths is 20.13 per cent. There is very little use of materials other than mud, bricks or stones for building plinths in both rural and urban areas.

5.4. Table (5.2) shows the percentage distribution of households by types of materials used in walls of the houses. The materials used in the construction of the wall have been grouped under four broad categories, namely, (i) mud or bamboo (reed), (ii) timber (wood) or corrugated iron, (c.i.) sheets, (iii) bricks or stones and (iv) other materials (not covered above).

¹ It may be recalled here that a house in this report means the part or whole of a building occupied by a household.

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TABLE (5.2) : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF MATERIALS USED FOR WALLS

material for walls (1)	percentage of households		
	rural (2)	urban (3)	cities (4)
1. mud or bamboo	83.18	42.16	21.65
2. timber or c.i. sheets	0.94	1.97	5.99
3. brick or stone	15.46	55.17	72.13
4. other materials	0.42	0.70	0.23
5. total	100.00	100.00	100.00
6. number of sample households	4181	1713	353

5.5. In the rural areas, 83.18 per cent of households live in houses with walls built of mud or bamboo or reeds and only 15.46 per cent in houses with walls of bricks or stones. In the urban areas including cities 55.17 per cent of households live in houses with walls of bricks and stones in comparison with 42.16 per cent living in houses with walls of mud or bamboo. In the 4 cities, nearly three-fourths, 72.13 per cent of households live in houses with walls of bricks and stones and 21.65 per cent in houses with walls of mud or bamboo. Of the other materials, timber and corrugated iron sheets are used for walls in a small extent.

5.6. Table (5.3) shows the percentage distribution of households by types of materials of roofs of the houses in their occupation. The materials used for roofs have been grouped under four broad categories namely, (i) straw (grass thatched, bamboo, reed) or mud *khola* (country tiles), (ii) corrugated sheets (asbestos) or tiles, (iii) pucca (cement concrete or brick and mortar) and (iv) other materials (not covered above).

TABLE (5.3) : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF MATERIALS USED FOR ROOFS

material for roof (1)	percentage of households		
	rural (2)	urban (3)	cities (4)
1. straw or mud khola	69.64	32.85	14.51
2. c.i. sheet or tiles	23.51	33.64	27.22
3. pucca	4.07	29.50	56.01
4. other materials	2.78	4.01	2.26
5. total	100.00	100.00	100.00
6. number of sample households	4181	1713	353

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5.7. In the rural areas, 69.64 per cent of households live in houses with roofs of straw or mud *khola* and 23.51 per cent in houses with roofs of corrugated iron sheets or tiles. Only 4.07 per cent of households live under bricks and mortar or cement concrete roofs. In urban areas including cities, the proportions of households living in houses with roofs made of straw or mud *khola*, c.i. sheets or tiles, bricks and mortar or cement concrete about evenly divided. In the 4 cities, 56.01 per cent of households live in houses with pucca roofs, 27.22 per cent under roofs of c.i. sheets or tiles and 14.51 per cent under roofs made of straw or mud *khola*.

5.8. The different types of materials used for the plinths, walls and roofs have next been combined suitably for classification by overall material types. The households have been arranged in Table (5.4) by seven broad combinations namely, (i) all kutchha, (ii) kutchha plinth and wall, and tile or c.i. sheet roof, (iii) pucca plinth, kutchha wall and kutchha tile or c.i. sheet roof, (iv) pucca plinth and wall and kutchha roof, (v) pucca plinth and wall, and tile or c.i. sheet roof, (vi) all pucca and (vii) others.

TABLE (5.4): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY OVERALL MATERIAL TYPE OF THEIR HOUSES

combinations	rural	urban
(1)	(2)	(3)
1. all kutchha	63.35	24.49
2. kutchha plinth, and wall and tile or c.i. sheet roof	14.60	9.01
3. pucca plinth, kutchha wall and roof of any type	2.39	6.30
4. pucca plinth and wall and kutchha roof	4.34	5.34
5. pucca plinth and wall and tile or c.i. sheet roof	6.84	18.92
6. all pucca	2.66	27.64
7. others	5.82	8.30
8. total	100.00	100.00
9. number of sample households	4181	1713

5.9. The proportion of households living in all kutchha houses in the rural areas is 63.35 per cent as against 24.49 per cent in the urban areas. On the other hand, 27.64 per cent of the urban households live in all pucca houses as compared with 2.66 per cent of the rural households. As a whole, the households living in houses with at least pucca plinth and wall constitute 51.90 per cent in the urban areas but only 13.84 per cent in the rural areas.

5.10. Table (5.5) shows the percentage distribution of households by combinations of materials for houses arranged by the four broad household occupational groups in the rural areas.

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TABLE (5.5): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF HOUSES AND BY OCCUPATIONAL GROUPS, RURAL AREAS

type	household occupational groups				all occupations
	farmers	cultivators	agricultural labourers	others	
(1)	(2)	(3)	(4)	(5)	(6)
1. all kutcha	35.36	63.81	73.78	59.45	63.35
2. kutcha plinth, wall and tile or c.i. sheet roof	22.53	15.46	12.14	13.61	14.60
3. pucca plinth, kutcha wall and roof of any type	1.95	2.31	2.44	2.57	2.39
4. pucca plinth and wall and kutcha roof	6.05	4.38	3.59	4.48	4.34
5. pucca plinth and wall and tile or c.i. sheet roof	19.40	5.56	2.50	10.36	6.84
6. all pucca	6.92	2.60	0.81	3.41	2.66
7. others	7.79	5.88	4.74	6.12	5.82
8. total	100.00	100.00	100.00	100.00	100.00
9. number of sample households	216	2088	826	1051	4181

5.11. The proportions of farmer and agricultural labour households living in all kutcha houses are 35.36 and 73.78 per cent respectively. Cultivators and households with other occupations come between these two extremes. Of the farmer households 6.92 per cent and as low as 0.81 per cent of the agricultural labour households live in all pucca houses. The cultivators and the households with other occupations are placed in between.

5.12. Table (5.6) shows similar distribution of households for urban areas.

TABLE (5.6): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF HOUSES AND BY OCCUPATIONAL GROUPS, URBAN AREAS

type	household occupational groups			all occupations
	office workers	manual workers	others	
(1)	(2)	(3)	(4)	(5)
1. all kutcha	7.54	34.36	24.81	24.49
2. kutcha plinth and wall and tile or c.i. sheet roof	2.20	8.39	9.45	9.01
3. pucca plinths, kutcha wall and roof of any type	0.63	5.06	6.72	6.30
4. pucca plinth and wall and kutcha roof	3.45	9.45	5.16	5.34
5. pucca plinth and wall and tile or c.i. sheet roof	22.92	14.65	18.98	18.92
6. all pucca	55.73	19.97	26.52	27.64
7. other	7.53	8.12	8.36	8.30
8. total	100.00	100.00	100.00	100.00
9. number of sample households	95	115	1503	1713

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5.13. The majority of the office workers households (55.73 per cent) live in all pucca houses as compared with 19.97 per cent for the manual worker households and 26.52 per cent for households with other occupations. Of manual workers 34.36 per cent households live in all kutchha houses as compared with 7.54 per cent for the office workers and 24.81 per cent for households with other occupations.

5.14. Table (5.7) shows percentage distribution of households by combinations of housing materials arranged by different levels of monthly households expenditure in the rural areas.

TABLE (5.7) : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF HOUSES
ARRANGED BY MONTHLY EXPENDITURE LEVELS, RURAL AREAS

type	monthly expenditure in rupees				all levels
	below 51	51-100	101-200	201-above	
(1)	(2)	(3)	(4)	(5)	(6)
1. all kutchha	66.80	58.74	56.13	50.20	63.35
2. kutchha plinth and wall and tiles or c.i. sheet roof	15.23	13.94	11.80	15.39	14.60
3. pucca plinth, kutchha wall and roof of any type	2.55	2.73	0.53	0.81	2.39
4. pucca plinth and wall and kutchha roof	3.69	5.68	5.05	3.64	4.34
5. pucca plinth and wall and tile or c.i. sheet roof	4.51	10.12	10.78	16.20	6.84
6. all pucca	1.64	3.46	6.91	6.07	2.66
7. others	5.58	5.33	8.80	7.69	5.82
8. total	100.00	100.00	100.00	100.00	100.00
9. number of sample households	2534	1181	347	119	4181

5.15. As may be expected, the proportions of households living in kutchha houses decreased with higher expenditure levels. The proportion of households living in houses with at least pucca plinth and wall is 9.84 per cent for households spending below Rs. 51 and increased to 25.91 per cent for households spending more than Rs. 201 a month.

5.16. Table (5.8) shows similar distribution for urban households.

5.17. In the urban areas, the proportion of households living in all kutchha houses goes down sharply with rise in expenditure. The proportion is 35.00 per cent for households spending less than Rs.51 as compared with 2.99 per cent for households spending above Rs.300 in a month. At the other end, 63.04 per cent of households

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spending over Rs.300 a month live in all pucca houses compared with 23.24 per cent for households spending less than Rs.51 and 19.08 per cent for those spending between Rs.51 and Rs.100 a month.

TABLE (5.8): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY TYPES OF HOUSES
ARRANGED BY MONTHLY EXPENDITURE LEVELS, URBAN AREAS

type	monthly expenditure in rupees					all levels
	below 51	51-100	101-200	201-300	above 300	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. all kutchha	35.00	28.63	14.65	4.60	2.99	24.49
2. kutchha plinth and wall and tile or c.i. sheet roof	9.67	9.16	10.73	4.60	3.26	9.01
3. pucca plinth, kutchha wall and roof of any type	5.82	7.94	6.12	3.52	1.63	6.30
4. pucca plinth and wall and kutchha roof	4.05	6.05	6.77	3.52	3.67	5.34
5. pucca plinth and wall and and tile or c.i. sheet roof	13.35	20.50	23.46	17.86	20.52	18.92
6. all pucca	23.24	19.08	30.12	58.59	63.04	27.64
7. others	8.87	8.64	8.15	7.31	4.89	8.30
8. total	100.00	100.00	100.00	100.00	100.00	100.00
9. number of sample households	486	628	362	123	114	1713

CHAPTER SIX

COMPARISONS AND INTERNAL CONSISTENCY

6.1. Results of a number of special studies on the living conditions of industrial labour, including housing, for selected industrial centres, and some for the general population of very limited local areas, are available. But these were not strictly comparable with the national results given in this NSS Preliminary Report. The First Agricultural Labour Enquiry (ALE) conducted by the Ministry of Labour in 1950-51 had however all-India rural coverage, and a few comparisons between the ALE and NSS results are made below.

6.2. It should be remembered that ALE data strictly referred to the house, while NSS data to the household : but much difference was not to be expected between the two, in the items compared. Table (6.1) gives the percentage distribution of houses by number of occupied rooms.

TABLE (6.1) : PERCENTAGE DISTRIBUTION OF HOUSES BY
NUMBER OF OCCUPIED ROOMS IN RURAL INDIA

number of occupied rooms	ALE ^a (1950-51)	NSS seventh round (1953-54)
(1)	(2)	(3)
1. one	37.7	34.0
2. two	28.2	32.3
3. more than two	34.1	33.7
4. total	100.0	100.0

^a Government of India, Ministry of Labour, Agricultural Labour Enquiry, Rural Man-power and Occupational Structure p. 33.

6.3. The average number of persons per room in the different census population zones of rural India, according to the two surveys, separated in time by a period of three years is shown in Table (6.2).

6.4. In ALE, a house was classified as pucca if the walls and roof were made of brick, stone, lime or mortar; and as partly pucca if the walls were so, but not the roof. Pucca or partly pucca houses were found to comprise 15.9 per cent of the total in ALE¹ and 15.5 per cent in NSS seventh round.

¹ Government of India, Ministry of Labour, Agricultural Labour Enquiry, Rural Man-power and Occupational Structure pp. 30-31.

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6.5. It has been a special feature of NSS design to provide and get independent and valid estimates from at least two samples in each round of survey. Apart from the facility of operational control and consequent improvement of quality, the two independent sample estimates furnish a statistical measure of the margins of error involved.

TABLE (6.2): NUMBER OF PERSONS PER ROOM IN EACH
POPULATION ZONE, IN RURAL INDIA

population zone	ALEa (1950-51)	NSS seventh round (1953-54)
(1)	(2)	(3)
1. north	1.7	1.7
2. east	2.3	2.0
3. south	2.4	2.1
4. west	2.8	2.7
5. central	3.2	2.1
6. north-west	2.6	2.0
7. all India (rural)	2.3	2.1

a Government of India, Ministry of Labour, Agricultural Labour Enquiry, Rural Man-power and Occupational Structure p. 35.

6.6. Tables series (6.3) to (6.7) give the two sub-sample estimates, and the combined estimates from pooled data, for some important items and breakdowns figuring in this Preliminary Report. Such estimates are given for (i) number of rooms per household, Table (6.3), (ii) floor space per person, Tables (6.4) and (6.5), (iii) drinking water source, Table (6.6) and (iv) overall material type of house, Table (6.7). It will be seen that the agreement between sub-samples in the national estimates for these items have been generally very satisfactory indicating that the margin of error was low.

TABLE (6.3): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS
BY NUMBER OF ROOMS IN RURAL INDIA FOR
TWO SUB-SAMPLES

number of rooms	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)
1. one	33.10	34.89	33.99
2. two	31.40	33.22	32.30
3. three	15.82	13.94	14.89
4. four	8.00	7.68	7.85
5. five	4.39	4.88	4.63
6. six	2.80	2.30	2.55
7. seven and above	4.49	3.09	3.79
8. total	100.00	100.00	100.00
9. number of sample households	2064	2177	4181

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TABLE (6.4): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE PER PERSON IN RURAL INDIA FOR TWO SUB-SAMPLES

floor space per person (sq. ft.)	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)
1. below 26	6.74	6.62	6.68
2. 26 — 50	7.36	7.75	7.55
3. 51 — 75	8.80	10.04	9.41
4. 76—100	15.42	14.22	14.83
5. 101—150	16.36	17.60	16.97
6. 151—200	16.04	14.94	15.50
7. 201—250	11.80	12.11	11.96
8. 251—300	9.17	8.37	8.77
9. 301—350	4.77	4.64	4.71
10. 351—above	3.54	3.71	3.62
11. total	100.00	100.00	100.00
12. number of sample households	2064	2117	4181

TABLE (6.5): PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE PER PERSON IN URBAN INDIA FOR TWO SUB-SAMPLES

floor space per person (sq. ft.)	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)
1. below 26	5.26	5.40	5.33
2. 26 — 50	14.75	16.96	15.81
3. 51 — 75	12.33	10.59	11.49
4. 76—100	14.73	11.54	13.19
5. 101—150	14.45	14.42	14.44
6. 151—200	12.11	14.78	13.40
7. 201—250	11.76	11.60	11.68
8. 251—300	6.96	6.64	6.80
9. 301—350	5.90	5.50	5.71
10. 351—above	1.75	2.57	2.15
11. total	100.00	100.00	100.00
12. number of sample households	916	797	1713

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TABLE (6.6) : PERCENTAGE DISTRIBUTION OF POPULATION
BY SOURCE OF DRINKING WATER IN RURAL
INDIA FOR TWO SUB-SAMPLES

source of drinking water	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)
1. rivers or lakes	11.09	12.51	11.80
2. tanks	14.29	11.53	12.91
3. wells	71.01	72.71	71.86
4. tubewells	3.36	2.89	3.13
5. tap water supply	0.25	0.36	0.30
6. total	100.00	100.00	100.00
7. number of sample persons	10517	10823	21340

TABLE (6.7) : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY OVERALL
MATERIAL TYPE IN RURAL INDIA FOR TWO SUB-SAMPLES

overall material type	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)
1. all kutcha	62.97	63.75	63.35
2. kutcha plinth, wall and tile or c.i. sheet	14.91	14.28	14.60
3. pucca plinth, kutcha wall and roof of any type	2.19	2.60	2.39
4. pucca plinth, wall and kutcha roof	4.14	4.54	4.34
5. pucca plinth, wall and tile or c.i. sheet roof	8.15	5.51	6.84
6. all pucca	2.13	3.20	2.66
7. other	5.51	6.12	5.82
8. total	100.00	100.00	100.00
9. number of sample households	2064	2117	4181

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TABLE 1: DISTRIBUTION OF SAMPLE VILLAGES AND HOUSEHOLDS IN RURAL AREAS OF INDIA

population zones and states	number of sample	
	villages	households
(1)	(2)	(3)
1. <i>North India</i>		
Uttar Pradesh	146	697
2. <i>East India</i>		
Bihar	115	521
Orissa	32	159
West Bengal	69	269
Assam	24	110
Manipur	2	10
Tripura	2	4
(i) sub-total	244	1073
3. <i>South India</i>		
Madras	98	438
Mysore	24	101
Coorg	2	8
Travancore-Cochin	36	159
(ii) sub-total	160	706
4. <i>West India</i>		
Bombay	104	476
Saurashtra	19	65
Kutch	4	11
(iii) sub-total	127	552
5. <i>Central India</i>		
Vindhya Pradesh	8	39
Madhya Pradesh	60	281
Madhya Bharat	20	86
Hyderabad	55	243
Bhopal	4	18
(vi) sub-total	147	667
6. <i>North-West India</i>		
Rajasthan	59	249
Punjab	36	158
PEPSU	12	52
Ajmer	4	10
Delhi	4	6
Himachal Pradesh	4	11
(v) sub-total	119	486
7. all India (rural)	943	4181

TABLE 2: DISTRIBUTION OF SAMPLE TOWNS, BLOCKS AND HOUSEHOLDS IN URBAN AREAS OF INDIA

population size-group of towns	number of sample		
	towns	blocks	households
(1)	(2)	(3)	(4)
1. below 15,000	16	64	330
2. 15,000—50,000	14	84	326
3. 50,000—100,000	9	71	249
4. 100,000—above	14	138	455
5. cities (Bombay, Calcutta, Delhi and Madras)	4	84	353
6. all India (urban)	57	441	1713

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TABLE 3: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF PERSONS AND NUMBER OF ROOMS

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

(a) base : all households

number of persons in household	number of rooms					total
	1	2	3	4-6	7-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. one	4.36	1.89	0.54	0.45	0.31	7.55
2. two	4.57	3.47	0.67	0.49	0.21	9.41
3. three to four	12.54	11.13	4.72	3.14	0.27	31.80
4. five	5.76	5.35	2.21	1.75	0.43	15.50
5. six to nine	6.42	9.08	5.52	6.55	1.49	29.06
6. above nine	0.34	1.38	1.23	2.65	1.08	6.68
7. total	33.99	32.30	14.89	15.03	3.79	100.00

(b) base : households by number of rooms

number of persons in household	number of rooms								total
	1	2	3	4	5	6	7-9	10-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. one	12.82	5.86	3.64	4.56	0.87	1.97	—	18.25	7.55
2. two	13.46	10.74	4.49	2.68	5.77	0.53	0.89	10.99	9.41
3. three	18.80	15.76	13.04	9.50	7.59	7.11	1.78	5.10	14.83
4. four	18.08	18.69	18.64	13.74	10.78	11.26	3.00	5.10	16.97
5. five	16.95	16.57	14.87	13.48	10.49	7.83	8.50	14.63	15.50
6. six	10.40	11.60	13.74	15.00	12.75	15.08	13.20	11.78	11.96
7. seven	5.04	8.98	11.95	13.01	12.13	11.78	16.76	8.83	8.77
8. eight	2.13	4.27	7.21	8.49	10.64	6.32	7.29	3.73	4.71
9. nine	1.32	3.27	4.14	7.37	8.86	8.23	11.74	3.24	3.62
10. above nine	1.00	4.26	8.28	12.17	20.12	29.89	36.84	18.35	6.68
11. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
12. number of sample households	1409	1333	634	335	210	105	88	67	4181

(c) base : households by number of persons

number of persons in household	number of rooms								total	number of sample house- holds
	1	2	3	4	5	6	7-9	10-above		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. one	57.70	25.05	7.17	4.74	0.53	0.67	—	4.14	100.00	290
2. two	48.61	36.87	7.11	2.23	2.84	0.14	0.20	2.00	100.00	384
3. three	43.10	34.34	13.10	5.03	2.37	1.22	0.25	0.59	100.00	610
4. four	36.21	35.56	16.36	6.35	2.94	1.69	0.37	0.52	100.00	692
5. five	37.17	34.53	14.29	6.82	3.14	1.29	1.14	1.62	100.00	628
6. six	29.56	31.35	17.11	9.84	4.94	3.22	2.29	1.69	100.00	532
7. seven	19.53	33.04	20.28	11.63	6.40	3.43	3.97	1.72	100.00	386
8. eight	15.35	29.27	22.78	14.14	10.46	3.43	3.21	1.36	100.00	207
9. nine	12.40	29.17	17.05	15.98	11.33	5.81	6.73	1.53	100.00	160
10. above nine	5.09	20.60	18.46	14.30	13.95	11.43	11.46	4.71	100.00	292
11. total	33.39	32.30	14.89	7.85	4.63	2.55	2.08	1.71	100.00	4181

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TABLE 4: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS
AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

number of rooms	population zone						all India (rural)	number of sample house- holds
	north	east	south	west	central	north- west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(a) base : all households

1. one	4.13	8.42	8.98	4.05	6.32	2.09	33.99
2. two	5.06	9.52	6.51	2.99	5.39	2.83	32.30
3. three	3.30	4.37	2.43	1.18	2.32	1.29	14.89
4. four to six	5.04	4.12	1.77	0.51	1.77	1.82	15.03
5. above six	1.02	1.15	0.81	0.11	0.39	0.31	3.79
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00

(b) base : households of each zone

1. one	22.26	30.51	43.81	45.77	39.08	25.05	33.99
2. two	27.29	34.52	31.76	33.85	33.28	33.90	32.30
3. three	17.82	15.86	11.84	13.33	14.31	15.46	14.89
4. four to six	27.13	14.94	8.65	5.80	10.92	21.85	15.03
5. above six	5.50	4.17	3.94	1.25	2.41	3.74	3.79
6. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample households	697	1073	706	552	667	486	4181

(c) base : households by numbers of rooms

1. one	12.15	24.76	26.43	11.90	18.61	6.15	100.00	1409
2. two	15.66	29.47	20.16	9.27	16.68	8.76	100.00	1333
3. three	22.19	29.38	16.29	7.92	15.56	8.66	100.00	634
4. four to six	33.48	27.42	11.79	3.41	11.77	12.13	100.00	650
5. above six	26.89	30.30	21.34	2.93	10.29	8.25	100.00	155
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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TABLE 5: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY AVERAGE NUMBER
OF PERSONS PER ROOM AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

average number of persons per room		population zone						all India (rural)
		north	east	south	west	central	north-west	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households								
1. below	1.0	2.34	1.89	1.65	0.27	1.45	0.81	8.41
2. 1.0 and below	1.5	4.07	5.50	3.67	1.14	2.82	1.33	18.53
3. 1.5 and below	2.0	3.22	3.56	1.57	0.76	1.48	1.11	11.70
4. 2.0 to	3.0	5.64	10.35	6.99	3.31	5.57	2.89	34.75
5. above	3.0	3.28	6.28	6.62	3.36	4.87	2.20	26.61
6. total		18.55	27.58	20.50	8.84	16.19	8.34	100.00
(b) base : households of each zone								
1. below	1.0	12.59	6.86	8.06	3.04	8.97	9.71	8.41
2. 1.0 and below	1.5	21.97	19.92	17.88	12.89	17.42	15.98	18.53
3. 1.5 and below	2.0	17.37	12.92	7.68	8.56	9.13	13.34	11.70
4. 2.0 to	3.0	30.40	37.53	34.11	37.49	34.37	34.63	34.75
5. above	3.0	17.67	22.77	32.27	38.02	30.11	26.34	26.61
6. total		100.00	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample households		697	1073	706	552	667	486	4181

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TABLE 6: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE PER PERSON AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

floor space per person (sq. ft.)	population zone						all India (rural)	number of sample house- holds
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all households								
1. below 26	1.74	2.02	0.95	0.63	0.72	0.62	6.68	
2. 26 — 50	1.32	2.10	1.93	0.50	1.21	0.49	7.55	
3. 51 — 75	1.37	2.75	2.28	0.79	1.75	0.47	9.41	
4. 76 — 100	2.67	3.77	3.16	1.36	2.76	1.11	14.83	
5. 101 — 150	2.96	5.00	3.28	1.44	2.90	1.39	16.97	
6. 151 — 200	2.96	3.94	3.74	1.24	2.38	1.24	15.50	
7. 201 — 250	2.23	3.31	2.15	1.24	2.00	1.03	11.96	
8. 251 — 300	1.73	2.26	1.62	0.95	1.33	0.88	8.77	
9. above 300	1.57	2.43	1.39	0.69	1.14	1.11	8.33	
10. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	
(b) base : households of each zone								
1. below 26	9.37	7.30	4.64	7.09	4.47	7.48	6.68	
2. 26 — 50	7.09	7.63	9.46	5.61	7.45	5.90	7.55	
3. 51 — 75	7.41	9.97	11.10	8.96	10.81	5.66	9.41	
4. 76 — 100	14.37	13.69	15.40	15.37	17.06	13.26	14.83	
5. 101 — 150	15.96	18.17	15.99	16.32	17.91	16.60	16.97	
6. 151 — 200	15.98	14.29	18.25	13.98	14.70	14.83	15.50	
7. 201 — 250	12.02	11.96	10.48	14.06	12.37	12.37	11.96	
8. 251 — 300	9.36	8.19	7.88	10.77	8.19	10.56	8.77	
9. above 300	8.44	8.80	6.80	7.84	7.04	13.34	8.33	
10. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
11. number of sample households	697	1073	706	552	667	486	4181	
(c) base : households under each floor space group								
1. below 26	26.02	30.17	14.25	9.39	10.83	9.34	100.00	311
2. 26 — 50	17.41	27.86	25.67	6.57	15.97	6.52	100.00	413
3. 51 — 75	14.59	29.21	24.17	8.41	18.60	5.02	100.00	655
4. 76 — 100	17.98	25.46	21.30	9.16	18.64	7.46	100.00	745
5. 101 — 150	17.44	29.51	19.31	8.50	17.09	8.15	100.00	675
6. 151 — 200	19.12	25.42	24.13	7.98	15.36	7.99	100.00	572
7. 201 — 250	18.65	27.62	17.97	10.39	16.74	8.63	100.00	415
8. 251 — 300	19.80	25.75	18.42	10.87	15.12	10.04	100.00	223
9. above 300	18.77	29.13	16.73	8.32	13.69	13.36	100.00	172
10. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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**TABLE 7: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS
AND HOUSEHOLD OCCUPATION GROUPS**

ALL INDIA : RURAL

number of sample villages: 943

number of sample households : 4181

number of rooms	occupational groups					all occupa- tions	number of sample house- holds
	farmers	cultiva- tors	agricul- tural labourers	weavers	others		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. one	0.79	11.71	11.12	0.19	10.18	33.99	
2. two	1.19	15.53	6.37	0.16	9.05	32.30	
3. three	0.78	8.80	1.83	0.03	3.45	14.89	
4. four	0.58	5.30	0.46	—	1.51	7.85	
5. five	0.54	3.09	0.31	—	0.69	4.63	
6. six	0.33	1.74	0.08	—	0.40	2.55	
7. seven to nine	0.36	1.53	0.04	—	0.15	2.08	
8. above nine	0.27	0.60	0.42	—	0.42	1.71	
9. total	4.84	48.30	20.63	0.38	25.85	100.00	
(b) base : households of each occupation group							
1. one	16.34	24.27	54.00	48.69	38.81	33.99	
2. two	24.34	32.15	30.90	42.54	34.37	32.30	
3. three	16.13	18.14	8.89	8.77	13.05	14.89	
4. four	11.93	11.01	2.14	—	7.67	7.85	
5. five	11.16	6.40	1.49	—	2.64	4.63	
6. six	6.92	3.62	0.37	—	1.51	2.55	
7. seven to nine	7.54	3.18	0.19	—	0.31	2.08	
8. above nine	5.64	1.23	2.02	—	1.64	1.71	
9. total	100.00	100.00	100.00	100.00	100.00	100.00	
10. number of sample households	216	2088	826	17	1034	4181	
(c) base : households by number of rooms							
1. one	2.32	34.44	32.73	0.55	29.96	100.00	1409
2. two	3.65	48.10	19.75	0.51	27.99	100.00	1333
3. three	5.26	59.06	12.36	0.22	23.10	100.00	634
4. four	7.36	67.80	5.62	—	19.22	100.00	335
5. five	11.66	66.74	6.64	—	14.96	100.00	210
6. six	13.10	68.40	2.96	—	15.54	100.00	105
7. seven to nine	17.36	73.04	1.84	—	7.76	100.00	88
8. above nine	15.80	34.74	24.34	—	25.12	100.00	67
9. total	4.84	48.30	20.63	0.38	25.85	100.00	4181

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TABLE 8: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE AND
HOUSEHOLD OCCUPATION GROUPS

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

floor space (sq. ft.)	occupational groups					all occupa- tions	number of sample house- holds
	farmers	cultiva- tors	agricul- tural labourers	weavers	others		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. below 51	0.07	0.96	1.54	0.01	1.55	4.13	
2. 51—100	0.20	2.85	4.13	0.04	3.61	10.83	
3. 101—200	0.72	10.05	6.47	0.11	8.17	25.52	
4. 201—300	0.80	7.95	2.99	0.09	4.32	16.15	
5. 301—400	0.49	7.13	1.62	0.03	2.35	11.62	
6. 401—500	0.35	3.96	0.83	0.03	1.95	7.12	
7. above 500	2.21	15.40	3.05	0.07	3.90	24.63	
8. total	4.84	48.30	20.63	0.38	25.85	100.00	
(b) base : households of each occupation group							
1. below 51	1.48	1.89	8.10	3.07	5.71	4.13	
2. 51—100	3.99	5.63	18.86	10.96	14.01	10.83	
3. 101—200	14.55	20.99	30.99	29.82	31.37	25.52	
4. 201—300	16.60	16.62	13.87	25.88	16.71	16.15	
5. 301—400	10.67	14.90	7.71	7.02	9.30	11.62	
6. 401—500	7.49	8.37	5.05	7.46	7.70	7.12	
7. 501—600	7.66	6.85	1.77	8.77	4.28	5.27	
8. 601—700	2.86	2.84	1.13	—	1.66	2.19	
9. 701—800	2.47	3.33	1.25	—	1.57	2.40	
10. 801—900	3.07	3.70	0.93	—	2.48	2.80	
11. above 900	29.16	14.88	10.34	7.02	5.21	11.97	
12. total	100.00	100.00	100.00	100.00	100.00	100.00	
13. number of sample households	216	2088	826	17	1034	4181	
(c) base : households under each floor space group							
1. below 51	1.89	24.30	34.01	0.31	39.49	100.00	152
2. 51—100	1.99	28.42	31.10	0.44	38.05	100.00	416
3. 101—200	2.90	42.25	20.39	0.48	33.98	100.00	1094
4. 201—300	5.14	51.95	14.17	0.64	28.10	100.00	673
5. 301—400	4.49	63.32	10.71	0.24	21.24	100.00	497
6. 401—500	4.96	55.94	11.03	0.40	27.67	100.00	315
7. 501—600	7.19	64.89	5.46	0.66	21.80	100.00	230
8. 601—700	6.45	64.73	8.44	—	20.38	100.00	110
9. 701—800	5.07	69.01	8.47	—	17.45	100.00	114
10. 801—900	5.40	65.59	5.40	—	23.61	100.00	112
11. above 900	12.02	62.02	14.07	0.23	11.66	100.00	468
12. total	4.84	48.30	20.63	0.38	25.85	100.00	4181

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TABLE 9: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF PERSONS AND NUMBER OF ROOMS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

(a) base : all households

number of persons	number of rooms					total
	1	2	3	4-6	7-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. one	12.53	2.13	0.51	0.21	0.43	15.81
2. two	6.64	2.71	0.88	0.65	0.61	11.49
3. three to four	12.69	9.15	2.72	2.24	0.83	27.63
4. five	5.38	3.81	2.12	1.51	0.58	13.40
5. six to nine	5.84	9.37	5.02	4.38	1.73	26.34
6. above nine	0.56	0.99	0.75	1.66	1.37	5.33
7. total	43.64	28.16	12.00	10.65	5.55	100.00

(b) base : households by number of rooms

number of persons	number of rooms								total
	1	2	3	4	5	6	7-9	10-above	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. one	28.70	7.57	4.24	1.82	3.99	—	—	15.04	15.81
2. two	15.22	9.61	7.36	7.65	6.75	—	7.40	14.48	11.49
3. three	16.47	13.88	6.83	8.43	10.43	12.03	5.33	3.90	13.19
4. four	12.62	18.63	15.79	11.80	17.48	2.07	8.88	11.70	14.44
5. five	12.32	13.51	17.71	16.73	5.52	17.85	3.25	17.27	13.40
6. six	6.40	18.00	16.98	14.65	5.83	14.11	11.54	5.29	11.68
7. seven	3.34	7.89	10.41	12.84	16.56	—	17.45	6.69	6.80
8. eight	3.04	4.89	9.81	10.77	9.82	24.48	13.91	2.23	5.71
9. nine	0.60	2.49	4.64	1.17	11.35	4.98	—	5.85	2.15
10. above nine	1.29	3.53	6.23	14.14	12.27	24.48	32.24	17.55	5.33
11. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
12. number of sample households	763	474	199	99	49	33	46	50	1713

(c) base : households by number of persons

number of persons	number of rooms								total	number of sample households
	1	2	3	4	5	6	7-9	10-above		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. one	79.22	13.49	3.22	0.70	0.65	—	—	2.72	100.00	275
2. two	57.82	23.55	7.69	4.09	1.52	—	1.73	3.60	100.00	193
3. three	54.50	29.63	6.22	3.92	2.05	1.75	1.09	0.84	100.00	229
4. four	38.14	36.33	13.12	5.02	3.14	0.28	1.65	2.32	100.00	243
5. five	40.15	28.38	15.86	7.66	1.07	2.55	0.65	3.68	100.00	229
6. six	23.91	43.39	17.44	7.70	1.29	2.32	2.66	1.29	100.00	198
7. seven	21.40	32.63	18.36	11.58	6.32	—	6.90	2.81	100.00	116
8. eight	23.29	24.12	20.64	11.58	4.46	8.23	6.56	1.12	100.00	94
9. nine	12.22	32.60	25.93	3.33	13.70	4.44	—	7.78	100.00	40
10. above nine	10.60	18.65	14.03	16.27	5.97	8.81	16.27	9.40	100.00	96
11. total	43.64	28.16	12.00	6.14	2.59	1.92	2.69	2.86	100.00	1713

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TABLE 10: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS
AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

number of rooms	population size-group of towns					all India (urban)	number of sample house- holds
	below 15,000	15,000- 50,000	50,000- 100,000	100,000- above	cities		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. one	12.01	8.55	4.81	9.13	9.14	43.64	
2. two	7.48	8.26	3.14	6.72	2.56	28.16	
3. three	3.56	2.62	2.13	2.95	0.74	12.00	
4. four to six	2.46	2.95	1.57	2.80	0.87	10.65	
5. above six	1.58	1.25	0.62	1.70	0.40	5.55	
6. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. one	44.34	36.22	39.24	39.17	66.68	43.64	
2. two	27.61	34.96	25.55	28.83	18.69	28.16	
3. three	13.16	11.08	17.32	12.67	5.40	12.00	
4. four to six	9.08	12.46	12.83	12.02	6.33	10.65	
5. above six	5.81	5.28	5.06	7.31	2.90	5.55	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample households	330	326	249	455	353	1713	
(c) base : households by number of rooms							
1. one	27.51	19.60	11.03	20.91	20.95	100.00	763
2. two	26.56	29.34	11.14	23.86	9.10	100.00	474
3. three	29.71	21.82	17.70	24.60	6.17	100.00	199
4. four to six	23.09	27.65	14.80	26.31	8.15	100.00	181
5. above six	28.41	22.53	11.19	30.70	7.17	100.00	96
6. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 11 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY AVERAGE NUMBER
OF PERSONS PER ROOM AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

average number of persons per room	population size-group of towns					all India (urban)
	below 15,000	15,000- 50,000	50,000- 100,000	100,000- above	cities	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(a) base : all households						
1. below 1.0	2.92	2.79	1.30	2.21	0.49	9.71
2. 1.0 and below 1.5	5.72	4.00	3.57	5.27	4.34	22.90
3. 1.5 and below 2.0	2.44	2.39	1.06	2.40	0.88	9.17
4. 2.0 to 3.0	9.44	8.74	4.17	8.46	4.08	34.89
5. above 3.0	6.57	5.71	2.17	4.96	3.92	23.33
6. total	27.09	23.63	12.27	23.30	13.71	100.00
(b) base : households of each population size-group						
1. below 1.0	10.78	11.79	10.57	9.49	3.60	9.71
2. 1.0 and below 1.5	21.12	16.94	29.12	22.61	31.63	22.90
3. 1.5 and below 2.0	8.99	10.10	8.63	10.31	6.44	9.17
4. 2.0 to 3.0	34.84	37.02	33.98	36.31	29.72	34.89
5. above 3.0	24.27	24.15	17.70	21.28	28.61	23.33
6. total	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample households	330	326	249	455	353	1713

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TABLE 12 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE PER PERSON AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441		number of sample households : 1713					
floor space per person (sq. ft.)	population size-group of towns					all India (urban)	number of sample households
	below 15,000	15,000-50,000	50,000-100,000	100,000-above	cities		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. below 26	1.51	0.95	0.66	1.70	0.51	5.33	
2. 26 — 50	4.00	2.42	2.19	3.13	4.07	15.81	
3. 51 — 75	3.92	2.60	1.49	2.15	1.33	11.49	
4. 76—100	3.49	3.34	1.44	3.51	1.41	13.19	
5. 101—150	4.44	3.47	1.67	3.46	1.40	14.44	
6. 151—200	3.24	3.82	1.79	2.66	1.89	13.40	
7. 201—250	2.79	3.59	1.39	2.91	1.00	11.68	
8. 251—300	1.56	2.27	0.66	1.48	0.83	6.80	
9. above 300	2.14	1.17	0.98	2.30	1.27	7.86	
10. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. below 26	5.58	4.01	5.38	7.31	3.71	5.33	
2. 26 — 50	14.77	10.24	17.84	13.42	29.73	15.81	
3. 51 — 75	14.48	11.01	12.13	9.22	9.69	11.49	
4. 76—100	12.87	14.11	11.80	15.06	10.27	13.19	
5. 101—150	16.36	14.69	13.62	14.85	10.21	14.44	
6. 151—200	11.96	16.18	14.59	11.41	13.82	13.40	
7. 201—250	10.31	15.18	11.28	12.50	7.30	11.68	
8. 251—300	5.76	9.63	5.38	6.35	6.03	6.80	
9. above 300	7.91	4.95	7.98	9.88	9.24	7.86	
10. total	100.00	100.00	100.00	100.00	100.00	100.00	
11. number of sample households	330	326	249	455	353	1713	
(c) base : households under each floor space group							
1. below 26	28.36	17.76	12.39	31.94	9.55	100.00	96
2. 26 — 50	25.31	15.30	13.84	19.78	25.77	100.00	275
3. 51 — 75	34.14	22.64	12.95	18.70	11.57	100.00	193
4. 76—100	26.43	25.29	10.98	26.62	10.68	100.00	229
5. 101—150	30.70	24.04	11.58	23.98	9.70	100.00	243
6. 151—200	24.17	28.51	13.36	19.83	14.13	100.00	229
7. 201—250	23.91	30.72	11.85	24.94	8.58	100.00	198
8. 251—300	22.93	33.45	9.71	21.75	12.16	100.00	116
9. above 300	27.26	14.89	12.46	29.28	16.11	100.00	134
10. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 13: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY NUMBER OF ROOMS
AND HOUSEHOLD OCCUPATION GROUPS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

number of rooms	occupational group			all occupa- tions	number of sample households
	office workers	manual workers	others		
(1)	(2)	(3)	(4)	(5)	(6)
(a) base : all households					
1. one	1.40	4.03	38.21	43.64	
2. two	1.36	1.56	25.24	28.16	
3. three	0.62	0.26	11.12	12.00	
4. four	0.80	0.14	5.20	6.14	
5. five	0.12	0.09	2.38	2.59	
6. six	0.67	—	1.25	1.92	
7. seven to nine	0.24	—	2.45	2.69	
8. above nine	0.09	0.05	2.72	2.86	
9. total	5.30	6.13	88.57	100.00	
(b) base : households of each occupation group					
1. one	26.32	65.57	43.01	43.64	
2. two	25.72	25.65	28.61	28.16	
3. three	11.80	4.19	12.52	12.00	
4. four	14.98	2.36	5.87	6.14	
5. five	2.27	1.44	2.69	2.59	
6. six	12.71	—	1.39	1.92	
7. seven to nine	4.54	—	2.75	2.69	
8. above nine	1.66	0.79	3.16	2.86	
9. total	100.00	100.00	100.00	100.00	
10. number of sample households	95	115	1503	1713	
(c) base : households by number of rooms					
1. one	3.21	9.24	87.55	100.00	763
2. two	4.83	5.56	89.61	100.00	474
3. three	5.23	2.14	92.63	100.00	199
4. four	12.94	2.35	84.71	100.00	99
5. five	4.64	3.41	91.95	100.00	49
6. six	35.44	—	64.56	100.00	33
7. seven to nine	8.98	—	91.02	100.00	46
8. above nine	3.01	1.64	95.35	100.00	50
9. total	5.30	6.13	88.57	100.00	1713

TABLE 14: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY FLOOR SPACE AND HOUSEHOLD OCCUPATION GROUPS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

floor space (sq. ft.)	occupational groups			all occupa- tions	occupational groups			all occupa- tions	occupational groups			all occupa- tions	number of sample house- holds
	office workers	manual workers	others		office workers	manual workers	others		office workers	manual workers	others		
	(a) base : all households				(b) base : households of each occupation group				(c) base : households under each floor space group				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. below 51	0.43	1.43	8.23	10.09	8.17	23.30	9.30	10.09	4.29	14.15	81.56	100.00	170
2. 51—100	0.54	1.86	13.45	15.85	10.14	30.37	15.19	15.85	3.39	11.75	84.86	100.00	306
3. 101—200	1.56	1.60	21.80	24.96	29.50	26.18	24.61	24.96	6.27	6.43	87.30	100.00	465
4. 201—300	0.70	0.55	12.94	14.19	13.31	8.90	14.60	14.19	4.98	3.84	91.18	100.00	235
5. 301—400	0.37	0.27	9.47	10.11	6.96	4.45	10.69	10.11	3.65	2.70	93.65	100.00	139
6. 401—500	0.14	0.07	5.71	5.92	2.57	1.18	6.45	5.92	2.30	1.22	96.48	100.00	93
7. 501—600	0.14	0.05	4.09	4.28	2.57	0.78	4.62	4.28	3.19	1.13	95.68	100.00	75
8. 601—700	0.16	—	3.00	3.16	3.03	—	3.39	3.16	5.08	—	94.92	100.00	24
9. 701—800	0.21	0.09	1.55	1.85	3.93	1.44	1.75	1.85	11.31	4.78	83.91	100.00	35
10. 801—900	0.44	—	2.10	2.54	8.17	—	2.37	2.54	17.09	—	82.91	100.00	43
11. above 900	0.61	0.21	6.23	7.05	11.65	3.40	7.03	7.05	8.76	2.96	88.28	100.00	128
12. total	5.30	6.13	88.57	100.00	100.00	100.00	100.00	100.00	5.30	6.13	88.57	100.00	1713
13. number of sample households					95	115	1503	1713					

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TABLE 15 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY SOURCE OF
DRINKING WATER AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

source of drinking water	population zone						all India (rural)	number of sample house- holds
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(a) base : all households

1. rivers or lakes	0.55	3.80	1.82	2.00	3.28	0.91	12.36
2. tanks	0.76	6.23	3.94	0.24	1.31	0.83	13.31
3. wells	17.20	14.71	14.63	6.32	11.37	6.47	70.70
4. tubewells	0.03	2.71	0.11	0.14	0.12	0.13	3.24
5. tap water supply	0.01	0.13	—	0.14	0.11	—	0.39
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00

(b) base : households of each zone

1. rivers or lakes	2.94	13.99	8.87	22.86	20.26	10.09	12.36
2. tanks	4.05	22.82	19.16	2.73	8.22	10.09	13.31
3. wells	92.81	52.76	71.42	71.33	70.12	78.20	70.70
4. tubewells	0.14	9.96	0.55	1.56	0.71	1.62	3.24
5. tap water supply	0.06	0.47	—	1.52	0.69	—	0.39
6. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample households	697	1073	706	552	667	486	4181

(c) base : households under each source

1. rivers or lakes	4.46	30.75	14.73	16.59	26.76	6.71	100.00	526
2. tanks	5.71	46.59	29.55	1.84	10.08	6.23	100.00	521
3. wells	24.64	20.28	20.74	9.05	16.19	9.10	100.00	2973
4. tubewells	0.80	83.68	3.52	4.32	3.57	4.11	100.00	141
5. tap water supply	3.10	33.18	—	34.96	28.76	—	100.00	20
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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TABLE 16 : PERCENTAGE DISTRIBUTION OF POPULATION BY SOURCE OF
DRINKING WATER AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 21340

source of drinking water	population zone						all India (rural)	number of sample persons
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(a) base : all persons

1. rivers or lakes	0.46	4.03	1.37	2.07	3.08	0.79	11.80
2. tanks	0.72	6.15	3.68	0.28	1.09	0.99	12.91
3. wells	18.53	15.08	13.81	6.38	10.81	7.25	71.86
4. tubewells	0.02	2.62	0.08	0.13	0.11	0.17	3.13
5. tap water supply	0.00	0.05	—	0.18	0.07	—	0.30
6. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00

(b) base : persons of each zone

1. rivers or lakes	2.34	14.47	7.50	22.44	20.06	8.72	11.80
2. tanks	3.58	21.99	19.52	3.39	7.60	10.86	12.91
3. wells	93.97	53.82	72.55	70.74	71.22	78.63	71.86
4. tubewells	0.10	9.51	0.43	1.51	0.68	1.79	3.13
5. tap water supply	0.01	0.21	—	1.92	0.44	—	0.30
6. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample persons	3682	5592	3409	2842	3141	2674	21340

(c) base : persons under each source

1. rivers or lakes	3.97	33.77	12.00	17.50	26.03	6.73	100.00	2555
2. tanks	5.54	46.88	28.52	2.41	9.00	7.65	100.00	2571
3. wells	26.15	20.62	19.06	9.05	15.17	9.95	100.00	15411
4. tubewells	0.66	83.74	2.60	4.44	3.34	5.22	100.00	716
5. tap water supply	0.80	18.75	—	58.29	22.16	—	100.00	87
6. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	21340

National Sample Survey

TABLE 17: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY SOURCE OF DRINKING WATER AND MONTHLY HOUSEHOLDS EXPENDITURE LEVELS

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

source of drinking water	monthly expenditure in rupees					all levels	number of sample households
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. rivers or lakes	7.79	3.36	0.88	0.25	0.08	12.36	
2. tanks	8.40	3.32	1.24	0.31	0.04	13.31	
3. wells	44.72	19.32	5.11	1.06	0.49	70.70	
4. tubewells	1.45	1.10	0.47	0.14	0.08	3.24	
5. tap water supply	0.19	0.12	0.06	0.02	—	0.39	
6. total	62.55	27.22	7.76	1.78	0.69	100.00	
(b) base : households of each expenditure level							
1. rivers or lakes	12.48	12.33	11.42	13.87	11.00	12.36	
2. tanks	13.43	12.19	16.00	17.26	6.25	13.31	
3. wells	71.50	70.98	65.81	59.46	71.00	70.70	
4. tubewells	2.30	4.04	6.02	8.15	11.75	3.24	
5. tap water supply	0.29	0.46	0.75	1.26	—	0.39	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample households	2534	1181	347	85	34	4181	
(c) base : households under each source							
1. rivers or lakes	63.07	27.15	7.17	2.00	0.61	100.00	526
2. tanks	63.12	24.92	9.33	2.30	0.33	100.00	521
3. wells	63.26	27.32	7.23	1.50	0.69	100.00	2973
4. tubewells	44.53	34.03	14.45	4.48	2.51	100.00	141
5. tap water supply	47.35	31.86	15.04	5.75	—	100.00	20
6. total	62.55	27.22	7.76	1.78	0.69	100.00	4181

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**TABLE 18: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY LATRINE TYPE
AND POPULATION ZONE**

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

latrine type	population zone						all India (rural)	number of sample house- holds
	north	east	south	west	central	north- west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all households								
1. no built-up latrine	17.42	26.15	19.56	8.63	15.16	8.20	95.12	
2. built-up latrine in individual use	0.85	1.08	0.79	0.14	0.76	0.13	3.75	
3. built-up latrine in common use with other households	0.28	0.35	0.15	0.07	0.27	0.01	1.13	
4. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	
(b) base : households of each zone								
1. no built-up latrine	94.00	94.95	95.24	97.46	93.61	98.26	95.12	
2. built-up latrine in individual use	4.50	3.73	4.05	1.79	4.74	1.57	3.75	
3. built-up latrine in common use with other households	1.50	1.32	0.71	0.75	1.65	0.17	1.13	
4. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
5. number of sample households	697	1073	706	552	667	486	4181	
(c) base : households under each type								
1. no built-up latrine	18.23	27.07	20.89	9.20	16.11	8.50	100.00	3996
2. built-up latrine in individual use	22.14	26.92	22.55	4.28	20.66	3.45	100.00	145
3. built-up latrine in common use with other households	24.39	31.55	13.11	5.95	23.78	1.22	100.00	40
4. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

National Sample Survey

TABLE 19: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY SOURCE OF
DRINKING WATER AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

source of drinking water	population size-group of towns				cities	all India (urban)	number of sample house- holds
	below 15,000	15,000- 50,000	50,000- 100,000	100,000- above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(a) base : all households

1. rivers or lakes	2.65	0.58	—	0.20	—	3.43
2. tanks	2.94	2.05	0.09	0.23	0.10	5.41
3. wells	14.61	14.50	5.84	5.33	0.21	40.49
4. tubewells	1.28	2.11	0.37	1.34	0.15	5.25
5. tap water supply	5.61	4.39	5.97	16.20	13.25	45.42
6. total	27.09	23.63	12.27	23.30	13.71	100.00

(b) base : households of each population size-group

1. rivers or lakes	9.24	2.57	—	0.87	—	3.43
2. tanks	10.92	8.45	0.37	0.98	0.72	5.41
3. wells	54.39	61.94	47.65	22.80	1.51	40.49
4. tubewells	4.46	9.39	3.28	5.74	1.02	5.25
5. tap water supply	20.99	17.65	48.70	69.61	96.75	45.42
6. total	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample households	330	326	249	455	353	1713

(c) base : households under each source

1. rivers or lakes	77.28	16.79	—	5.93	—	100.00	47
2. tanks	58.00	35.11	0.78	4.23	1.88	100.00	82
3. wells	38.57	34.37	13.38	13.15	0.53	100.00	597
4. tubewells	24.39	40.23	7.11	25.52	2.75	100.00	94
5. tap water supply	13.27	8.74	12.19	35.78	30.02	100.00	893
6. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 20 : PERCENTAGE DISTRIBUTION OF POPULATION BY SOURCE OF
DRINKING WATER AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

source of drinking water	population size-group towns				cities	all India (urban)	number of sample persons
	below 15,000	15,000- 50,000	50,000- 100,000	100,000- above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all persons							
1. rivers or lakes	2.09	0.64	—	0.25	—	2.98	
2. tanks	2.86	2.30	0.01	0.25	0.12	5.54	
3. wells	15.50	14.70	6.59	5.25	0.31	42.35	
4. tubewells	1.87	2.64	0.32	1.98	0.18	6.99	
5. tap water supply	4.29	4.00	5.09	17.27	11.49	42.14	
6. total	26.61	24.28	12.01	25.00	12.10	100.00	
(b) base : persons of each population size-group							
1. rivers or lakes	7.28	2.77	—	1.02	—	2.98	
2. tanks	10.20	9.60	0.09	1.04	0.95	5.54	
3. wells	59.08	60.16	53.46	21.65	1.68	42.35	
4. tubewells	6.75	10.91	3.29	8.07	1.45	6.99	
5. tap water supply	16.69	16.56	43.16	68.22	95.92	42.14	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample persons	1493	1536	1085	2224	1441	7779	
(c) base : persons under each source							
1. rivers or lakes	69.96	21.64	—	8.40	—	100.00	181
2. tanks	52.74	40.34	0.17	4.59	2.16	100.00	377
3. wells	39.96	33.05	13.99	12.50	0.50	100.00	2812
4. tubewells	27.66	36.29	5.21	28.23	2.61	100.00	540
5. tap water supply	11.35	9.14	11.35	39.58	28.58	100.00	3869
6. total	26.61	24.28	12.01	25.00	12.10	100.00	7779

National Sample Survey

TABLE 21: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY SOURCE OF DRINKING WATER AND MONTHLY HOUSEHOLD EXPENDITURE LEVELS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

source of drinking water	monthly expenditure in rupees :					all levels	number of sample households
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. rivers or lakes	0.95	1.90	0.58	—	—	3.43	
2. tanks	2.21	2.13	0.86	0.12	0.09	5.41	
3. wells	12.55	16.57	8.27	1.45	1.65	40.49	
4. tubewells	1.41	1.83	1.16	0.46	0.39	5.25	
5. tap water supply	12.23	15.70	10.07	3.86	3.56	45.42	
6. total	29.35	38.13	20.94	5.89	5.69	100.00	
(b) base : households of each expenditure level							
1. rivers or lakes	3.26	4.98	2.75	—	—	3.43	
2. tanks	7.54	5.58	4.09	2.16	1.49	5.41	
3. wells	42.75	43.45	39.51	24.60	29.06	40.49	
4. tubewells	4.80	4.81	5.55	7.77	6.86	5.25	
5. tap water supply	41.65	41.18	48.10	65.47	62.59	45.42	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample households	486	628	362	123	114	1713	
(c) base : households under each source							
1. rivers or lakes	27.90	55.31	16.79	—	—	100.00	47
2. tanks	40.91	39.34	15.83	2.35	1.57	100.00	82
3. wells	30.99	40.91	20.44	3.58	4.08	100.00	597
4. tubewells	26.82	34.90	22.13	8.72	7.43	100.00	94
5. tap water supply	26.92	34.57	22.18	8.49	7.84	100.00	893
6. total	29.35	38.13	20.94	5.89	5.69	100.00	1713

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TABLE 22 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY LATRINE TYPE
AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

latrine type	population size-group of towns				cities	all India (urban)	number of sample households
	below 15,000	15,000-50,000	50,000-100,000	100,000-above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. no built-up latrine	19.06	13.39	4.45	5.28	1.45	43.63	
2. built-up latrine in individual use	3.26	5.75	3.24	7.15	2.03	21.43	
3. built-up latrine in common use with other households	4.77	4.49	4.58	10.87	10.23	34.94	
4. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. no built-up latrine	70.41	56.80	36.52	22.78	10.61	43.63	
2. built-up latrine in individual use	11.99	24.26	26.30	30.72	14.83	21.43	
3. built-up latrine in common use with other households	17.60	18.94	37.18	46.50	74.56	34.94	
4. total	100.00	100.00	100.00	100.00	100.00	100.00	
5. number of sample households	330	326	249	455	353	1713	
(c) base : households under each type							
1. no built-up latrine	43.52	30.52	10.34	12.28	3.34	100.00	670
2. built-up latrine in individual use	15.09	26.54	15.17	33.70	9.50	100.00	374
3. built-up latrine in common use with other households	13.58	12.71	13.14	31.29	29.28	100.00	669
4. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

National Sample Survey

TABLE 23: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY PLINTH MATERIAL
TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

plinth material type	population zone						all India (rural)	number of sample households
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all households								
1. mud	17.40	25.25	16.24	5.57	12.77	7.32	84.55	
2. timber or bamboo	0.13	1.22	0.53	0.15	0.38	0.26	2.67	
3. brick or stone	1.00	1.09	3.54	2.87	3.01	0.74	12.25	
4. other materials	0.02	0.02	0.19	0.25	0.03	0.02	0.53	
5. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	
(b) base : households of each zone								
1. mud	93.86	91.48	79.26	62.99	78.69	87.83	84.55	
2. timber or bamboo	0.67	4.40	2.57	1.73	2.40	3.21	2.67	
3. brick or stone	5.34	4.04	17.24	32.51	18.75	8.71	12.25	
4. other materials	0.13	0.08	0.93	2.77	0.16	0.25	0.53	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample households	697	1073	706	552	667	486	4181	
(c) base : households under each type								
1. mud	20.70	30.07	19.25	6.59	14.92	8.47	100.00	3449
2. timber or bamboo	4.70	45.71	19.75	5.71	14.35	9.78	100.00	121
3. brick or stone	8.13	9.17	28.90	23.47	24.53	5.80	100.00	583
4. other materials	4.50	4.18	36.34	46.30	4.82	3.86	100.00	28
5. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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TABLE 24 : PERCENTAGE DISTRIBUTION OF POPULATION BY PLINTH MATERIAL TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 23140

plinth material type	population zone						all India (rural)	number of sample persons
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(a) base : all persons

1. mud	18.69	25.27	14.60	5.58	12.02	8.12	84.28
2. timber or bamboo	0.14	1.49	0.48	0.18	0.34	0.22	12.85
3. brick or stone	0.90	1.13	3.57	3.01	2.80	0.83	2.24
4. other materials	0.00	0.04	0.29	0.27	0.00	0.03	0.63
5. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00

(b) base : persons of each zone

1. mud	94.77	90.59	77.09	61.83	78.97	87.96	84.28
2. timber or bamboo	0.68	5.28	2.55	1.96	2.19	2.46	2.85
3. brick or stone	4.53	4.01	18.83	33.27	18.77	9.24	12.24
4. other materials	0.02	0.12	1.53	2.94	0.07	0.34	0.63
5. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00
6. number of sample persons	3682	5592	3409	2842	3141	2674	21340

(c) base : persons under each type

1. mud	22.30	30.35	17.31	6.65	14.05	9.34	100.00	17547
2. timber or bamboo	4.76	52.60	17.02	6.28	11.58	7.76	100.00	630
3. brick or stone	7.33	9.23	29.09	24.63	22.97	6.75	100.00	2975
4. other materials	0.75	5.55	45.38	41.91	1.60	4.81	100.00	188
5. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	21340

National Sample Survey

TABLE 25 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY WALL MATERIAL
TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

wall material type	population zone						all India (rural)	number of sample households
	north	east	south	west	central	north-west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all households								
1. mud or bamboo	16.52	25.34	15.64	5.78	13.29	6.61	83.18	
2. timber or c.i. sheets	0.09	0.15	0.21	0.13	0.28	0.08	0.94	
3. brick or stone	1.88	1.92	4.56	2.87	2.60	1.63	15.46	
4. other materials	0.06	0.17	0.09	0.06	0.02	0.02	0.42	
5. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	
(b) base : households of each zone								
1. mud or bamboo	89.07	91.94	76.19	65.25	82.08	79.18	83.18	
2. timber or c.i. sheets	0.47	0.56	1.05	1.46	1.70	0.98	0.94	
3. brick or stone	10.11	6.91	22.31	32.64	16.07	19.60	15.46	
4. other materials	0.35	0.59	0.45	0.65	0.15	0.24	0.42	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample households	697	1073	706	552	667	486	4181	
(c) base : households under each type								
1. mud or bamboo	19.89	30.61	18.73	6.90	15.96	7.91	100.00	3383
2. timber or c.i. sheets	9.34	16.34	22.80	13.64	29.26	8.62	100.00	44
3. brick or stone	12.14	12.39	29.53	18.58	16.82	10.54	100.00	730
4. other materials	15.26	38.56	22.09	13.65	5.62	4.82	100.00	24
5. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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TABLE 26 : PERCENTAGE DISTRIBUTION OF POPULATION BY WALL MATERIAL
TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 21340

wall material type	population zone						all India (rural)	number of sample persons
	north	east	south	west	central	north- west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(a) base : all persons

1. mud or bamboo	17.57	25.53	13.85	5.87	12.45	7.27	82.54	
2. timber or c.i. sheets	0.07	0.14	0.25	0.11	0.25	0.08	0.90	
3. brick or stone	2.04	2.03	4.79	3.02	2.44	1.82	16.14	
4. other materials	0.05	0.23	0.05	0.04	0.02	0.03	0.42	
5. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	

(b) base : persons of each zone

1. mud or bamboo	89.15	91.47	73.19	64.90	82.12	78.91	82.54	
2. timber or c.i. sheets	0.30	0.50	1.26	1.24	1.67	1.00	0.90	
3. brick or stone	10.28	7.25	25.29	33.37	16.09	19.76	16.14	
4. other materials	0.27	0.78	0.26	0.49	0.12	0.33	0.42	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample persons	3682	5592	3409	2842	3141	2674	21340	

(c) base : persons under each type

1. mud or bamboo	21.27	30.94	16.79	7.11	15.08	8.81	100.00	17087
2. timber or c.i. sheets	6.67	15.65	26.66	12.54	28.22	10.26	100.00	201
3. brick or stone	12.54	12.55	29.85	18.67	15.11	11.28	100.00	3916
4. other materials	12.73	52.78	11.92	10.71	4.56	7.30	100.00	136
5. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	21340

National Sample Survey

TABLE 27 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY ROOF MATERIAL
TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample households : 4181

roof material type	population zone						all India (rural)	number of sample house- holds
	north	east	south	west	central	north- west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all households								
1. straw or mud khola	14.12	23.09	15.01	3.69	6.82	6.91	69.64	
2. corrugated sheets or tiles	2.81	3.61	4.71	4.37	7.79	0.22	23.51	
3. brick and mortar	0.58	0.25	0.33	0.27	0.69	0.30	2.42	
4. cement or concrete	0.38	0.47	0.07	0.08	0.22	0.43	1.65	
5. other materials	0.66	0.16	0.38	0.43	0.67	0.48	2.78	
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	
(b) base : households of each zone								
1. straw or mud khola	76.14	83.66	73.17	41.59	42.15	82.92	69.64	
2. corrugated sheets or tiles	15.13	13.15	23.00	49.49	48.09	2.64	23.51	
3. brick and mortar	3.11	0.90	1.65	3.09	4.26	3.57	2.42	
4. cement or concrete	2.05	1.70	0.35	0.94	1.35	5.13	1.65	
5. other materials	3.57	0.59	1.83	4.89	4.15	5.74	2.78	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample households	697	1073	706	552	667	486	4181	
(c) base : households under each type								
1. straw or mud khola	20.31	33.20	21.55	5.25	9.79	9.90	100.00	2793
2. corrugated sheets or tiles	11.96	15.46	20.07	18.51	33.07	0.93	100.00	1047
3. brick and mortar	23.90	10.24	13.94	11.22	28.43	12.27	100.00	115
4. cement or concrete	23.11	28.53	4.29	5.01	13.19	25.87	100.00	79
5. other materials	23.86	5.83	13.48	15.48	24.17	17.18	100.00	147
6. total	18.55	27.58	20.50	8.84	16.19	8.34	100.00	4181

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TABLE 28 : PERCENTAGE DISTRIBUTION OF POPULATION BY ROOF MATERIAL
TYPE OF THEIR HOUSES AND POPULATION ZONE

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 21340

roof material type	population zone						all India (rural)	number of sample persons
	north	east	south	west	central	north- west		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(a) base : all persons								
1. straw or mud khola	15.12	22.71	13.20	3.56	6.24	7.60	68.43	
2. corrugated sheets or tiles	2.96	4.32	5.03	4.73	7.40	0.22	24.66	
3. brick and mortar	0.64	0.28	0.28	0.30	0.62	0.39	2.51	
4. cement or concrete	0.45	0.34	0.09	0.06	0.32	0.48	1.74	
5. other materials	0.56	0.28	0.34	0.39	0.58	0.51	2.66	
6. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	
(b) base : persons of each zone								
1. straw or mud khola	76.67	81.55	70.49	39.36	41.12	82.58	68.43	
2. corrugated sheets or tiles	14.98	15.51	25.77	52.41	48.85	2.45	24.66	
3. brick and mortar	3.24	1.00	1.45	3.30	4.09	4.20	2.51	
4. cement or concrete	2.28	1.21	0.50	0.61	2.12	5.24	1.74	
5. other materials	2.83	0.73	1.79	4.32	3.82	5.53	2.66	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample persons	3682	5592	3409	2842	3141	2674	21340	
(c) base : persons under each type								
1. straw or mud khola	22.02	33.20	19.44	5.18	9.08	11.08	100.00	13966
2. corrugated sheets or tiles	12.03	17.67	19.89	19.30	30.19	0.92	100.00	5615
3. brick and mortar	25.58	11.17	11.01	11.92	24.82	15.50	100.00	623
4. cement or concrete	25.82	19.38	5.42	3.16	18.46	27.76	100.00	434
5. other materials	21.64	7.86	13.17	15.12	22.46	19.75	100.00	702
6. total	19.73	27.93	18.94	9.04	15.16	9.20	100.00	21340

National Sample Survey

TABLE 29 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND HOUSEHOLD OCCUPATIONAL GROUPS

ALL INDIA : RURAL

number of sample villages : 943					number of sample households : 4181		
overall material type	occupational groups				others	all-occupations	number of sample households
	farmers	cultivators	agricultural labourers	weavers			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. all kutchia	1.71	30.82	15.22	0.25	15.35	63.35	
2. kutchia plinth, wall and tile or c.i. sheet roof	1.09	7.47	2.50	0.04	3.50	14.60	
3. pucca plinth, kutchia wall and roof of any type	0.10	1.11	0.50	—	0.68	2.39	
4. pucca plinth, wall and kutchia roof	0.29	2.12	0.74	—	1.19	4.34	
5. pucca plinth, wall and tile or c.i. sheet roof	0.94	2.68	0.52	0.01	2.69	6.84	
6. all pucca	0.33	1.26	0.17	—	0.90	2.66	
7. other	0.38	2.84	0.98	0.08	1.54	5.82	
8. total	4.84	48.30	20.63	0.38	25.85	100.00	
(b) base : households of each occupational group							
1. all kutchia	35.36	63.81	73.78	65.35	59.40	63.35	
2. kutchia plinth, wall and tile or c.i. sheet roof	22.53	15.46	12.14	10.09	13.53	14.60	
3. pucca plinth, kutchia wall and roof of any type	1.95	2.31	2.44	—	2.63	2.39	
4. pucca plinth, wall and kutchia roof	6.05	4.38	3.59	—	4.59	4.34	
5. pucca plinth, wall and tile or c.i. sheet roof	19.40	5.56	2.50	3.51	10.40	6.84	
6. all pucca	6.92	2.60	0.81	—	3.50	2.66	
7. other	7.79	5.88	4.74	21.05	5.95	5.82	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample households	216	2088	826	17	1034	4181	
(c) base : households under each type							
1. all kutchia	2.70	48.65	24.03	0.39	24.23	100.00	2496
2. kutchia plinth, wall and tile or c.i. sheet roof	7.46	51.16	17.15	0.27	23.96	100.00	654
3. pucca plinth, kutchia wall and roof of any type	3.94	46.62	21.03	—	28.41	100.00	112
4. pucca plinth, wall and kutchia roof	6.75	48.82	17.06	—	27.37	100.00	197
5. pucca plinth, wall and tile or c.i. sheet roof	13.72	39.23	7.55	0.20	39.30	100.00	301
6. all pucca	12.57	47.19	6.32	—	33.92	100.00	134
7. other	6.48	48.83	16.83	1.39	26.47	100.00	287
8. total	4.84	48.30	20.63	0.38	25.85	100.00	4181

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TABLE 30 : PERCENTAGE DISTRIBUTION OF POPULATION BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND HOUSEHOLD OCCUPATIONAL GROUPS

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 21340

overall material type	occupational groups					all occupations	number of sample persons
	farmers	cultivators	agricultural labourers	weavers	others		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all persons							
1. all kutchha	1.50	35.92	12.02	0.20	12.09	61.73	
2. kutchha plinth, wall and tile or c.i. sheet roof	0.92	8.84	2.25	0.03	3.53	15.57	
3. pucca plinth, kutchha wall and roof of any type	0.08	1.35	0.46	—	0.60	2.49	
4. pucca plinth, wall and kutchha roof	0.48	2.72	0.61	—	1.10	4.91	
5. pucca plinth, wall and tile or c.i. sheet roof	1.24	2.92	0.40	0.01	2.16	6.73	
6. all pucca	0.47	1.59	0.12	—	0.67	2.85	
7. other	0.37	3.37	0.80	0.07	1.11	5.72	
8. total	5.06	56.71	16.66	0.31	21.26	100.00	
(b) base : persons of each occupational group							
1. all kutchha	29.66	63.35	72.16	61.84	56.85	61.73	
2. kutchha plinth, wall and tile or c.i. sheet roof	18.20	15.58	13.58	11.58	16.59	15.57	
3. pucca plinth, kutchha wall and roof of any type	1.53	2.38	2.73	—	2.85	2.49	
4. pucca plinth, wall and kutchha roof	9.60	4.79	3.67	—	5.17	4.91	
5. pucca plinth, wall and tile or c.i. sheet roof	24.42	5.15	2.41	2.57	10.18	6.73	
6. all pucca	9.24	2.81	0.71	—	3.14	2.85	
7. other	7.35	5.94	4.78	24.01	5.22	5.72	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample persons	1159	12302	3437	69	4373	21340	
(c) base : persons under each type							
1. all kutchha	2.43	58.20	19.48	0.31	19.58	100.00	12320
2. kutchha plinth, wall and tile or c.i. sheet roof	5.92	56.73	14.48	0.23	22.64	100.00	3562
3. pucca plinth, kutchha wall and roof of any type	3.11	54.32	18.28	—	24.29	100.00	576
4. pucca plinth, wall and kutchha roof	9.89	55.26	12.46	—	22.39	100.00	1113
5. pucca plinth, wall and tile or c.i. sheet roof	18.37	43.40	5.95	0.12	32.16	100.00	1562
6. all pucca	16.44	55.99	4.14	—	23.43	100.00	741
7. other	6.50	58.84	13.93	1.31	19.42	100.00	1466
8. total	5.06	56.71	16.66	0.31	21.26	100.00	21340

National Sample Survey

TABLE 31 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND MONTHLY HOUSEHOLD EXPENDITURE LEVELS

ALL INDIA : RURAL							
number of sample villages : 943				number of sample households : 4181			
overall material type	monthly expenditure in rupees					all levels	number of sample households
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. all kutcha	41.80	15.98	4.33	0.85	0.39	63.35	
2. kutcha plinth, wall and tile or c.i. sheet roof	9.55	3.78	0.89	0.26	0.12	14.60	
3. pucca plinth, kutcha wall and roof of any type	1.58	0.75	0.04	0.02	—	2.39	
4. pucca plinth, wall and kutcha roof	2.31	1.54	0.40	0.09	—	4.34	
5. pucca plinth, wall and tile or c.i. sheet roof	2.80	2.78	0.86	0.30	0.10	6.84	
6. all pucca	1.01	0.95	0.55	0.11	0.04	2.66	
7. other	3.50	1.44	0.69	0.15	0.04	5.82	
8. total	62.55	27.22	7.76	1.78	0.69	100.00	
(b) base : households of each expenditure level							
1. all kutcha	66.80	58.74	56.13	49.77	55.72	63.35	
2. kutcha plinth, wall and tile or c.i. sheet roof	15.23	13.94	11.80	14.46	17.66	14.60	
3. pucca plinth, kutcha wall and roof of any type	2.55	2.73	0.53	0.92	—	2.39	
4. pucca plinth, wall and kutcha roof	3.69	5.68	5.05	4.57	—	4.34	
5. pucca plinth, wall and tile or c.i. sheet roof	4.51	10.12	10.78	16.47	14.93	6.84	
6. all pucca	1.64	3.46	6.91	5.76	5.97	2.66	
7. other	5.58	5.33	8.80	8.05	5.72	5.82	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample households	2534	1181	347	85	34	4181	
(c) base : households under each type							
1. all kutcha	65.44	25.47	7.05	1.44	0.60	100.00	2496
2. kutcha plinth, wall and tile or c.i. sheet roof	64.71	26.22	6.43	1.82	0.82	100.00	654
3. pucca plinth, kutcha wall and roof of any type	66.18	31.36	1.76	0.70	—	100.00	112
4. pucca plinth, wall and kutcha roof	52.83	35.96	9.27	1.94	—	100.00	197
5. pucca plinth, wall and tile or c.i. sheet roof	40.94	40.63	12.53	4.42	1.48	100.00	301
6. all pucca	38.13	35.73	20.64	3.98	1.52	100.00	134
7. other	59.57	25.19	12.03	2.54	0.67	100.00	287
8. total	62.55	27.22	7.76	1.78	0.69	100.00	4181

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TABLE 32 : PERCENTAGE DISTRIBUTION OF POPULATION BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND MONTHLY HOUSEHOLD EXPENDITURE LEVELS

ALL INDIA : RURAL

number of sample villages : 943

number of sample persons : 21340

overall material type	monthly expenditure in rupees					all levels	number of sample persons
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all persons							
1. all kutcha	34.84	18.26	6.06	1.56	1.01	61.73	
2. kutcha plinth, wall and tile or c.i. sheet roof	8.61	5.03	1.28	0.37	0.28	15.57	
3. pucca plinth, kutcha wall and roof of any type	1.49	0.89	0.09	0.02	—	2.49	
4. pucca plinth, wall and kutcha roof	2.12	1.79	0.81	0.19	—	4.91	
5. pucca plinth, wall and tile or c.i. sheet roof	2.23	2.74	1.03	0.51	0.22	6.73	
6. all pucca	0.74	0.98	0.77	0.28	0.08	2.85	
7. other	2.76	1.59	1.06	0.23	0.08	5.72	
8. total	52.79	31.28	11.10	3.16	1.67	100.00	
(b) base : persons of each household expenditure level							
1. all kutcha	65.99	58.39	54.59	49.46	60.65	61.73	
2. kutcha plinth, wall and tile or c.i. sheet roof	16.30	16.08	11.57	11.84	16.73	15.57	
3. pucca plinth, kutcha wall and roof of any type	2.83	2.87	0.74	0.54	—	2.49	
4. pucca plinth, wall and kutcha roof	4.02	5.71	7.32	6.01	—	4.91	
5. pucca plinth, wall and tile or c.i. sheet roof	4.23	8.75	9.31	15.91	13.25	6.73	
6. all pucca	1.39	3.12	6.97	8.95	4.62	2.85	
7. other	5.24	5.08	9.50	7.29	4.75	5.72	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample persons	10849	6827	2524	740	400	21340	
(c) base : persons under each type							
1. all kutcha	56.43	29.58	9.82	2.53	1.64	100.00	12320
2. kutcha plinth, wall and tile or c.i. sheet roof	55.27	32.28	8.25	2.41	1.79	100.00	3562
3. pucca plinth, kutcha wall and roof of any type	59.96	36.04	3.31	0.69	—	100.00	576
4. pucca plinth, wall and kutcha roof	43.20	36.39	16.54	3.87	—	100.00	1113
5. pucca plinth, wall and tile or c.i. sheet roof	33.17	40.69	15.37	7.48	3.29	100.00	1562
6. all pucca	25.83	34.30	27.21	9.95	2.71	100.00	741
7. other	48.35	27.80	18.44	4.03	1.38	100.00	1466
8. total	52.79	31.28	11.10	3.16	1.67	100.00	21340

National Sample Survey

TABLE 33 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY PLINTH MATERIAL
TYPE OF THEIR HOUSES AND POPULATION SIZE-GROUPS OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

plinth material type	population size-group of towns				cities	all India (urban)	number of sample house- holds
	below 15,000	15,000- 50,000	50,000- 100,000	100,000 above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. mud	14.12	13.40	5.06	8.98	2.79	44.35	
2. timber or bamboo	0.39	0.61	0.39	0.23	0.13	1.75	
3. brick or stone	12.51	9.56	6.60	13.92	10.66	53.25	
4. other materials	0.07	0.06	0.22	0.17	0.13	0.65	
5. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. mud	52.18	56.67	41.21	38.63	20.13	44.35	
2. timber or bamboo	1.47	2.50	3.28	0.99	0.93	1.75	
3. brick or stone	46.09	40.59	53.74	59.61	78.01	53.25	
4. other materials	0.26	0.24	1.77	0.77	0.93	0.65	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample households	330	326	249	455	353	1713	
(c) base : households under each type							
1. mud	32.27	30.10	11.41	19.93	6.29	100.00	716
2. timber or bamboo	23.04	33.64	23.05	12.90	7.37	100.00	26
3. brick or stone	23.74	17.96	12.39	25.62	20.29	100.00	961
4. other materials	11.11	8.64	33.34	27.16	19.75	100.00	10
5. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 34 : PERCENTAGE DISTRIBUTION OF POPULATION BY PLINTH MATERIAL
TYPE OR THEIR HOUSES AND POPULATION SIZE-GROUPS OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

plinth material type	population size-group of towns				cities	all India (urban)	number of sample persons
	below 15,000	15,000- 50,000	50,000- 100,000	100,000 above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(a) base : all persons

1. mud	14.48	13.30	4.92	8.66	2.17	43.53
2. timber or bamboo	0.54	0.59	0.38	0.22	0.09	1.82
3. brick or stone	11.48	10.33	6.45	15.91	9.80	53.97
4. other materials	0.11	0.06	0.26	0.21	0.04	0.68
5. total	26.61	24.28	12.01	25.00	12.10	100.00

(b) base : persons of each population size-group

1. mud	54.50	54.83	40.99	35.12	18.58	43.53
2. timber or bamboo	2.00	2.45	3.19	0.86	0.71	1.82
3. brick or stone	43.02	42.46	53.62	63.19	80.44	53.97
4. other materials	0.48	0.26	2.20	0.83	0.27	0.68
5. total	100.00	100.00	100.00	100.00	100.00	100.00
6. number of sample persons	1493	1536	1085	2224	1441	7779

(c) base : persons under each type

1. mud	33.62	30.39	11.22	18.97	5.80	100.00	3196
2. timber or bamboo	29.49	32.63	20.90	11.71	5.27	100.00	127
3. brick or stone	21.41	18.99	11.83	27.52	20.25	100.00	4407
4. other materials	18.70	9.09	38.18	28.58	5.45	100.00	49
5. total	26.61	24.28	12.01	25.00	12.10	100.00	7779

National Sample Survey

TABLE 35: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY WALL MATERIAL
TYPE OF THEIR HOUSES AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

wall material type	population size-group of towns				cities	all India (urban)	number of sample households
	below 15,000	15,000-50,000	50,000-100,000	100,000-above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. mud or bamboo	15.03	13.37	5.20	5.59	2.97	42.16	
2. timber or c.i. sheets	0.18	0.56	0.03	0.37	0.83	1.97	
3. brick or stone	11.81	9.40	6.80	17.28	9.88	55.17	
4. other materials	0.07	0.30	0.24	0.06	0.03	0.70	
5. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. mud or bamboo	55.46	56.69	42.39	23.95	21.65	42.16	
2. timber or c.i. sheets	0.68	2.37	0.26	1.61	5.99	1.97	
3. brick or stone	43.60	39.65	55.39	74.20	72.13	55.17	
4. other materials	0.26	1.29	1.96	0.24	0.23	0.70	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample households	330	326	249	455	353	1713	
(c) base : households under each type							
1. mud or bamboo	35.75	31.65	12.29	13.26	7.05	100.00	672
2. timber or c.i. sheets	9.31	28.34	1.62	19.03	41.70	100.00	32
3. brick or stone	21.48	16.92	12.27	31.40	17.93	100.00	997
4. other materials	10.23	43.18	34.09	7.95	4.55	100.00	12
5. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 36 : PERCENTAGE DISTRIBUTION OF POPULATION BY WALL MATERIAL
TYPE OF THEIR HOUSES AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

wall material type	population size-group of towns					all India (urban)	number of sample persons
	below 15,000	15,000- 50,000	50,000- 100,000	100,000- above	cities		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all persons							
1. mud or bamboo	15.41	13.63	5.14	6.11	2.44	42.73	
2. timber or c.i. sheets	0.40	0.52	0.03	0.24	0.66	1.85	
3. brick or stone	10.67	9.89	6.64	18.64	8.96	54.80	
4. other materials	0.13	0.24	0.20	0.01	0.04	0.62	
5. total	26.61	24.28	12.01	25.00	12.10	100.00	
(b) base : persons of each population size-group							
1. mud or bamboo	57.87	55.12	42.79	23.81	20.13	42.73	
2. timber or c.i. sheets	1.51	2.17	0.23	0.92	5.43	1.85	
3. brick or stone	40.14	41.69	55.38	75.22	74.15	54.80	
4. other materials	0.48	1.02	1.60	0.05	0.29	0.62	
5. total	100.00	100.00	100.00	100.00	100.00	100.00	
6. number of sample persons	1493	1536	1085	2224	1441	7779	
(c) base : persons under each type							
1. mud or bamboo	36.47	32.18	12.02	13.58	5.75	100.00	3079
2. timber or c.i. sheets	22.08	29.05	1.55	12.20	35.12	100.00	122
3. brick or stone	19.69	18.64	12.13	33.03	16.51	100.00	4531
4. other materials	20.69	40.52	31.03	2.01	5.75	100.00	47
5. total	26.61	24.28	12.01	25.00	12.10	100.00	7779

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TABLE 37 : PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY ROOF MATERIAL
TYPE OF THEIR HOUSES AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

roof material type	population size-group of towns				cities	all India (urban)	number of sample households
	below 15,000	15,000-50,000	50,000-100,000	100,000-above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. straw or mud khola	10.77	11.19	4.20	4.70	1.99	32.85	
2. corrugated sheets or tiles	8.79	8.17	4.44	8.50	3.74	33.64	
3. brick and mortar	2.58	2.10	1.28	2.63	1.72	10.31	
4. cement or concrete	3.76	2.00	2.10	5.38	5.95	19.19	
5. other materials	1.19	0.17	0.25	2.09	0.31	4.01	
6. total	27.09	23.63	12.27	23.30	13.71	100.00	
(b) base : households of each population size-group							
1. straw or mud khola	39.83	47.31	34.24	19.95	14.51	32.85	
2. corrugated sheets or tiles	32.46	34.56	36.06	36.63	27.22	33.64	
3. brick and mortar	9.49	8.93	10.44	11.29	12.54	10.31	
4. cement or concrete	13.84	8.46	17.25	23.09	43.47	19.19	
5. other materials	4.38	0.74	2.01	9.04	2.26	4.01	
6. total	100.00	100.00	100.00	100.00	100.00	100.00	
7. number of sample households	330	326	249	455	353	1713	
(c) base : households under each type							
1. straw or mud khola	32.94	34.13	12.82	14.04	6.07	100.00	535
2. corrugated sheets or tiles	26.20	24.33	13.19	25.16	11.12	100.00	556
3. brick and mortar	25.00	20.51	12.46	25.31	16.72	100.00	186
4. cement or concrete	19.58	10.43	11.06	27.80	31.13	100.00	370
5. other materials	29.63	4.37	6.16	52.09	7.75	100.00	66
6. total	27.09	23.63	12.27	23.30	13.71	100.00	1713

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TABLE 38 : PERCENTAGE DISTRIBUTION OF POPULATION BY ROOF MATERIAL
TYPE OF THEIR HOUSES AND POPULATION SIZE-GROUP OF TOWNS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

roof material type	population size-group of towns				cities	all India (urban)	number of sample persons
	below 15,000	15,000 50,000	50,000- 100,000	100,000 above			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(a) base : all persons

1. straw or mud khola	11.22	11.34	4.25	4.66	1.62	33.09
2. corrugated sheets or tiles	9.20	8.43	4.81	9.01	3.18	34.63
3. brick and mortar	2.35	2.00	1.28	3.48	1.60	10.71
4. cement or concrete	2.61	2.24	1.45	5.96	5.34	17.60
5. other materials	1.23	0.27	0.22	1.89	0.36	3.97
6. total	26.61	24.28	12.01	25.00	12.10	100.00

(b) base : persons of each population size-group

1. straw or mud khola	42.25	46.73	35.25	18.30	13.30	33.09
2. corrugated sheets or tiles	34.64	34.73	40.18	36.12	26.30	34.63
3. brick and mortar	8.82	8.20	10.64	14.05	13.23	10.71
4. cement or concrete	9.68	9.22	12.11	23.83	44.21	17.60
5. other materials	4.61	1.12	1.82	7.70	2.96	3.97
6. total	100.00	100.00	100.00	100.00	100.00	100.00
7. number of sample persons	1493	1536	1085	2224	1441	7779

(c) base : persons under each type

1. straw or mud khola	34.52	34.20	12.92	13.41	4.95	100.00	2430
2. corrugated sheets or tiles	27.04	24.28	14.06	25.28	9.34	100.00	2569
3. brick and mortar	22.30	18.55	12.06	31.86	15.23	100.00	871
4. cement or concrete	14.92	12.72	8.37	32.96	31.03	100.00	1614
5. other materials	31.37	6.83	5.57	47.06	9.17	100.00	295
6. total	26.61	24.28	12.01	25.00	12.10	100.00	7779

TABLE 39 : PERCENTAGE DISTRIBUTION OF HOSEHOLDS BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND HOUSEHOLD OCCUPATIONAL GROUPS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample households : 1713

overall material type	occupational groups			all occupa- tions	occupational groups			all occupa- tions	occupational groups			all occupa- tions	number of sample house- holds
	office workers	manual workers	others		office workers	manual workers	others		office workers	manual workers	others		
	(a) base : all households				(b) base. : households of each occupational group				(c) base : household under each type				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. all kutcha	0.42	2.11	21.96	24.49	7.54	34.36	24.81	24.49	1.60	8.59	89.81	100.00	404
2. kutcha plinth, wall and tile or c.i. sheet roof	0.12	0.51	8.38	9.01	2.20	8.39	9.45	9.01	1.27	5.71	93.02	100.00	138
3. pucca plinth, kutcha wall and roof of any type	0.03	0.31	5.96	6.30	0.63	5.06	6.72	6.30	0.52	4.92	94.56	100.00	90
4. pucca plinth, wall and kutcha roof	0.18	0.58	4.58	5.34	3.45	9.45	5.16	5.34	3.36	10.86	85.78	100.00	85
5. pucca plinth, wall and tile and c.i. sheet roof	1.21	0.90	16.81	18.92	22.92	14.65	18.98	18.92	6.30	4.74	88.96	100.00	337
6. all pucca	2.95	1.22	23.47	27.64	55.73	19.97	26.52	27.64	10.48	4.43	85.09	100.00	523
7. other	0.39	0.50	7.41	8.30	7.53	8.12	8.46	8.30	4.72	6.00	89.28	100.00	136
8. total	5.30	6.13	88.57	100.00	100.00	100.00	100.00	100.00	5.30	6.13	88.57	100.00	1713
9. number of sample households					95	115	1503	1713					

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TABLE 40: PERCENTAGE DISTRIBUTION OF POPULATION BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND HOUSEHOLD OCCUPATIONAL GROUPS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

overall material type	occupational groups			all occupa- tions	occupational groups			all occupa- tions	occupational groups			all occupa- tions	number of sample persons
	office workers	manual workers	others		office workers	manual workers	others		office workers	manual workers	others		
	(a) base : all persons				(b) base : persons of each occupational group				(c) base : persons under each type				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. all kutchia	0.47	1.79	22.06	24.32	7.41	42.67	24.67	24.32	1.95	7.33	90.72	100.00	1817
2. kutchia plinth, wall and tile or c.i. sheet roof	0.15	0.44	8.47	9.06	2.42	10.51	9.46	9.06	1.71	4.85	93.44	100.00	623
3. pucca plinth, kutchia wall and roof of any type	0.02	0.18	6.52	6.72	0.34	4.11	7.30	6.72	0.32	2.55	97.13	100.00	445
4. pucca plinth, wall and kutchia roof	0.10	0.35	5.41	5.86	1.52	8.52	6.05	5.86	1.66	6.07	92.27	100.00	426
5. pucca plinth, wall and tile or c.i. sheet roof	1.81	0.53	17.48	19.82	28.33	12.71	19.55	19.82	9.15	2.68	88.17	100.00	1565
6. all pucca	3.50	0.55	21.83	25.88	54.57	13.27	24.42	25.88	13.50	2.14	84.36	100.00	2310
7. others	0.35	0.34	7.65	8.34	5.41	8.21	8.55	8.34	4.16	4.11	91.73	100.00	953
8. total	6.40	4.18	89.42	100.00	100.00	100.00	100.00	100.00	6.40	4.18	89.42	100.00	7779
9. number of sample persons					535	334	6910	7779					

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TABLE 41: PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND MONTHLY HOUSEHOLD EXPENDITURE LEVELS

ALL INDIA : URBAN

number of sample blocks : 441		number of sample households : 1713					
overall material type	monthly expenditure in rupees					all levels	number of sample households
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all households							
1. all kutcha	10.31	10.90	2.99	0.25	0.04	24.49	
2. kutcha plinth, wall and tile or c.i. sheet roof	2.83	3.49	2.27	0.28	0.14	9.01	
3. pucca plinth, kutcha wall and roof of any type	1.66	3.03	1.30	0.21	0.10	6.30	
4. pucca plinth, wall and kutcha roof	1.16	2.31	1.44	0.21	0.22	5.34	
5. pucca plinth, wall and tile or c.i. sheet roof	3.94	7.82	4.92	1.05	1.19	18.92	
6. all pucca	6.91	7.28	6.29	3.45	3.71	27.64	
7. other	2.54	3.30	1.73	0.44	0.29	8.30	
8. total	29.35	38.13	20.94	5.89	5.69	100.00	
(b) base : households of each expenditure level							
1. all kutcha	35.00	28.63	14.65	4.60	2.99	24.99	
2. kutcha plinth, wall and tile or c.i. sheet roof	9.67	9.16	10.73	4.60	3.26	9.01	
3. pucca plinth, kutcha wall and roof of any type	5.82	7.94	6.12	3.52	1.63	6.30	
4. pucca plinth, wall and kutcha roof	4.05	6.05	6.77	3.52	3.67	5.34	
5. pucca plinth, wall and tile or c.i. sheet roof	13.35	20.50	23.46	17.86	20.52	18.92	
6. all pucca	23.24	19.08	30.12	58.59	63.04	27.64	
7. other	8.87	8.64	8.15	7.31	4.89	8.30	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample households	486	629	362	123	144	1713	
(c) base : households under each type							
1. all kutcha	40.88	44.57	12.69	1.13	0.73	100.00	404
2. kutcha plinth, wall and tile or c.i. sheet roof	30.71	38.77	25.27	3.08	2.17	100.00	138
3. pucca plinth, kutcha wall and roof of any type	26.42	48.06	20.60	3.37	1.55	100.00	90
4. pucca plinth, wall and kutcha roof	21.71	43.27	26.91	3.98	4.13	100.00	85
5. pucca plinth, wall and tile or c.i. sheet roof	20.18	41.31	26.31	5.69	6.51	100.00	337
6. all pucca	24.06	26.34	23.12	12.78	13.70	100.00	523
7. other	30.58	39.72	20.85	5.31	3.54	100.00	136
8. total	29.35	38.13	20.94	5.89	5.69	100.00	1713

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TABLE 42 : PERCENTAGE DISTRIBUTION OF POPULATION BY OVERALL MATERIAL TYPE OF THEIR HOUSES AND MONTHLY HOUSEHOLD EXPENDITURE LEVELS

ALL INDIA : URBAN

number of sample blocks : 441

number of sample persons : 7779

overall material type	monthly expenditure in rupees					all levels	number of sample persons
	below 51	51-100	101-200	201-300	above 300		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) base : all persons							
1. all kutcha	8.32	11.12	3.90	0.64	0.34	24.32	
2. kutcha plinth, wall and tile or c.i. sheet roof	2.10	3.33	2.91	0.48	0.24	9.06	
3. pucca plinth, kutcha wall and roof of any type	1.44	3.30	1.46	0.21	0.31	6.72	
4. pucca plinth, wall and kutcha roof	0.94	2.08	2.06	0.22	0.56	5.86	
5. pucca plinth, wall and tile or c.i. sheet roof	2.40	7.01	5.84	1.63	2.94	19.82	
6. all pucca	2.68	5.41	6.75	4.72	6.32	25.88	
7. other	1.53	3.60	2.16	0.59	0.46	8.34	
8. total	19.41	35.85	25.08	8.49	11.17	100.00	
(b) base : persons of each household expenditure level							
1. all kutcha	42.84	31.03	15.56	7.51	3.02	24.32	
2. kutcha plinth, wall and tile or c.i. sheet roof	10.82	9.29	11.62	5.59	2.13	9.06	
3. pucca plinth, kutcha wall and roof of any type	7.44	9.18	5.82	2.44	2.81	6.72	
4. pucca plinth, wall and kutcha roof	4.83	5.82	8.22	2.57	5.03	5.86	
5. pucca plinth, wall and tile or c.i. sheet roof	12.37	19.55	23.28	19.20	26.36	19.82	
6. all pucca	13.80	15.09	26.90	55.67	56.59	25.88	
7. other	7.90	10.04	8.60	7.02	4.06	8.34	
8. total	100.00	100.00	100.00	100.00	100.00	100.00	
9. number of sample persons	1442	2676	1961	760	940	7779	
(c) base : persons under each type							
1. all kutcha	34.19	45.75	16.05	2.62	1.39	100.00	1817
2. kutcha plinth, wall and tile or c.i. sheet roof	23.19	36.76	32.18	5.24	2.63	100.00	623
3. pucca plinth, kutcha wall and roof of any type	21.50	49.02	21.71	3.09	4.68	100.00	445
4. pucca plinth, wall and kutcha roof	15.98	35.56	35.16	3.73	9.57	100.00	426
5. pucca plinth, wall and tile or c.i. sheet roof	12.11	35.36	29.45	8.22	14.86	100.00	1565
6. all pucca	10.35	20.90	26.06	18.26	24.43	100.00	2310
7. other	18.38	43.18	25.86	7.15	5.43	100.00	593
8. total	19.41	35.85	25.08	8.49	11.17	100.00	7779

