

THE NATIONAL SAMPLE SURVEY

TWENTYSECOND ROUND : JULY 1967—JUNE 1968

NUMBER 171

SOME RESULTS RELATING TO CONSTRUCTION OF PUCCA HOUSES IN RURAL AND URBAN AREAS

(Required by the National Buildings Organisation)



भारतमैत्रयते

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*"The report entitled: Some results relating to Construction of Pucca Houses in Rural and Urban areas, 22nd Round : July 1967—June 1968, was prepared by Indian Statistical Institute, Calcutta. The views contained in the report are not necessarily those of Government of India."**

CHAPTER ONE

INTRODUCTION

1.1 During the twentysecond round of NSS, at the stage of listing of structures in the sample villages and blocks, data were collected as to whether any house or housing unit falling in the list had been constructed for residential purposes during the 365 days preceding the date of survey. This information which was collected at the suggestion of the National Buildings Organisation was restricted only to houses or housing units which were of 'pucca' material as defined. Construction of houses during the reference period was also taken to mean completed construction as per the given definition.

1.2 The definition of a *pucca house* was laid down as a house whose walls and roof *at least* are made either of oven-burnt bricks, stone, cement concrete and/or timber. Tiles, galvanised iron and/or asbestos cement sheets used in the construction of the roof were regarded as pucca material. In some states such materials as cement plastered reeds called jack board are used for the construction of walls, roofs etc. These materials also were regarded as pucca materials.

1.3 *Completion of construction* of a house was considered to have taken place when it was physically ready for occupation during the reference period. Only those pucca houses were considered which were intended for habitation and were not at the time of survey used wholly for other purposes.

1.4 In the urban areas, apart from the houses, the housing units occupied by the households residing in houses were also investigated about the occurrence of construction during the reference period.

1.5 The survey extended over the whole of the rural and urban sectors of the Indian Union excepting North-East Frontier Agency, Ladak district of Jammu and Kashmir state, Mizo Hills (Lushai) district in Assam state, Pal and Samari Tehsils of district Surgiya and Bijapur, Dantewara and Konta Tehsils of district Bastar of Madhya Pradesh, Mao, Ukhrel and Tamenglong sub-divisions of the Union Territory of Manipur, the Union Territories of Andaman and Nicobar Islands and Laccadive, Minicoy and Amindivi Islands.

1.6 The total number of sample villages surveyed were 8544 and the total number of sample blocks 4608. The survey started in July 1967 and was completed in June 1968. The results as presented in the Appendix I pertain to all the states as well as all-India, and are for central sample data alone. The samples in the rural and urban sectors have been drawn in the form of 4 independent sub-samples. Sub-samples 1 and 3 were surveyed by one party of investigators and sub-samples 2 and 4 by another party of investigators. The results have been presented partywise for half-sample 1, half-sample 2 and combined—sub-samples 1 and 3 constituting the half-sample 1 and sub-samples 2 and 4 constituting the half-sample 2.

1.7 The size classes of population used as a classificatory item in the tables are according to 1961 census population. For rural, the five size classes were formed with villages having population as 0—249, 250—499, 500—999, 1000—4999, 5000 & above. For urban, four size classes were formed with towns having population as 100000 & above, 99999—50000, 49999—20000, 19999 & below. The corresponding block sizes were determined from these size classes of population of towns. That means, the size of a block was the same as the size of the town to which the block belongs. The first three of these above size classes of towns were actually the same as the census classification of towns 1, 2 and 3 respectively, and the census classification of towns 4 to 6 combined constituted our fourth size class 19999 & below. In rural areas when hamlet selections were made the size classes related to the village population from which the hamlet group selections were made. Similarly for urban, in case of sub-block formation, the size classes relate to class of town to which selected sub-block belongs.

*The draft report (No. D202) was first submitted by the Indian Statistical Institute, Calcutta, to the Government of India in March 1969. It was revised subsequently and resubmitted in September 1969.

1.8 The highest percentage of pucca house completion was reported from villages with size class of population 1000—4999 in the states and all-India. The respective percentages of pucca houses in villages of this size class, *i.e.* 1000—4999 were 35.27 for Orissa, 38.17 for Uttar Pradesh, 44.14 for Maharashtra, 46.38 for Assam, 47.48 for Rajasthan, 50.23 for West Bengal, 53.92 for Mysore, 54.10 for Punjab, 55.43 for Madras, 56.09 for Gujarat, 56.59 for Bihar, 58.07 for Haryana, 60.41 for Kerala, 74.53 for Andhra Pradesh and 48.67 for all-India.

The percentage distribution of pucca houses completed by size class of villages for all-India is given below.

TABLE (1.8) : PERCENTAGE DISTRIBUTION OF PUCCA HOUSES COMPLETED IN DIFFERENT SIZE CLASSES FOR ALL-INDIA, RURAL

size class	no. of sample villages	percentage of pucca houses completed
(1)	(2)	(3)
0—249	1350	8.37
250—499	725	12.37
500—999	1934	20.15
1000—4999	4003	48.67
5000 & above	532	10.44
all	8544	100.00

(base : 232330)

The average number of pucca houses completed per village in all-India rural was estimated at 0.37.

1.9 In the urban areas it is the most populous areas that have reported the largest number of construction of pucca houses. The following Table gives the Percentage distribution of pucca houses completed by size class of towns for all-India.

TABLE (1.9) : PERCENTAGE DISTRIBUTION OF PUCCA HOUSES COMPLETED IN DIFFERENT SIZE CLASSES FOR ALL-INDIA, URBAN

size class	no. of sample blocks	percentage of construction completed	
		houses	housing units
(1)	(2)	(3)	(4)
100000 & above	1874	39.49	45.49
99999—50000	587	14.21	14.57
49999—20000	908	18.41	18.54
19999 & below	1239	27.89	21.40
all	4608	100.00	100.00

(base : 76849) (base : 115483)

The average number of pucca houses and pucca housing units completed per block in all-India urban were estimated at 0.78 and 1.17 respectively.

CHAPTER TWO

SAMPLING DESIGN AND ESTIMATION PROCEDURE

2.1 Broad Design.—The design for the enquiry on pucca houses in the 22nd round is a stratified uni-stage one. The sampling units are villages in the rural areas and blocks in the urban areas, and they are selected systematically with probability proportional to size related to population in the form of 4 independent and interpenetrating sub-samples.

2.2 Stratification :—(a) *rural.*—The country has been divided into 64 regions by grouping, within each state or Union Territory, districts having similar population density and crop pattern. Strata are formed, within each region, by grouping tehsils which are (i) contiguous, (ii) having similar population densities and at about the same altitude above sea-level and (iii) having good transport and communication facilities amongst them such that stratum sizes are equal within a State/Union Territory. Total number of strata is 356.

(b) *urban.*—In each State/Union Territory, towns with population less than 50,000 form stratum 1 and the remaining towns and cities form stratum 2, except the four big cities Madras, Bombay, Calcutta and Delhi. Each one of them forms stratum 3 of their respective states. Total number of strata is 44.

2.3 Allocation : (a) *rural.*—The allocation of the total sample size of 8544 villages to each State/Union Territory is based on a joint consideration of its rural population, area under cereal crops and available investigator strength.

(b) *urban.*—The total sample size of 4608 blocks have been allocated to the States in proportion to their 1961 Census urban population. The investigator strength available and the rural work-load have also been considered.

2.4 Selection of villages.—The tehsils within each stratum are arranged in a serpentine order by considering geographical contiguity. The villages in each Tehsil are further arranged by two classes : (i) reporting at least one household manufacturing enterprise and (ii) others. Then 4 independent sub-samples of 12 villages each are selected circularly systematically with probability proportional to size, size being related to population as mentioned earlier. In each sub-sample the villages with odd orders of selection form the central sample.

2.5 Unit of survey.—The unit of survey has been (except in Manipur, Tripura and the old TC areas of Kerala) the revenue village corresponding to the sampled census villages. Usually the census village coincides with the revenue village. If the sample census village consists of 2 or more revenue villages, one of them is selected at random for survey. In case the census village is contained within a bigger revenue village, that revenue village is taken up for survey with necessary hamlet group selection.

2.6 Investigation Zones.—If a stratum is very large and/or if no transportation is available, it is divided into two or more *investigation zones* each of which is manageable in area and has more or less good transport facilities within it. Two such zones are selected independently with probability proportional to their total size. Sub-samples 1 and 3 are selected from one zone and sub-samples 2 and 4 from the other.

2.7 Hamlet-group selection.—In large villages where listing of all households will be time-consuming, the investigator divides the village into a specified number of parts called 'hamlet-groups' of approximately equal population content and confines the survey to one of them selected with equal probability.

2.8 Selection of Urban Blocks.—The blocks within each stratum have been selected circularly systematically with probability proportional to size, the size of each block being taken as its estimated population (as supplied in the UFS frame) rounded off to the next multiple of 1000. The blocks are selected in the form of 4 independent interpenetrating sub-samples.

2.9 Sub-block selection.—In case of very large blocks, the technique of sub-block selection is adopted. That is, the investigator divides the sample block into a specified number of sub-blocks of roughly equal population content and selects one of them at random for survey.

2.10 Estimation Procedure.—The enquiry for the survey of pucca house was restricted to the first-stage units, *viz.*, the villages and the blocks. The unbiased estimator of the state total of the variate y (number of pucca houses) from a sub-sample is given by

$$\hat{Y} = I \sum_{s=1}^k \sum_{i=1}^n D_{si} f_{si} \frac{y_{si}}{Z_{si}} \quad \text{for rural}$$

$$\text{\& } \hat{Y} = I \sum_{s=1}^k \sum_{i=1}^{n_s} D_{si} \frac{y_{si}}{Z_{si}} \quad \text{for urban,}$$

where I is the interval for selection of villages/blocks in the state; $D_{s,i}$ is the number of hamlet groups/sub-blocks in the sample village/block; $f_{s,i}$ is the adjustment factor for revenue village selection, if any; and $Z_{s,i}$ is the size assigned to the sample village/block. $D=1$ when no hamlet group or sub-block formations are made. s : subscript for the s^{th} stratum, i : subscript for the i^{th} sample village/block/selected part of village or block, k : number of strata in the state, n_s : number of sample blocks selected in a stratum and in a sub-sample for the whole round.

The half-sample estimates are obtained as the arithmetic mean of the party sub-samples, i.e. sub-samples 1 & 3 and sub-samples 2 & 4, and the combined estimate is obtained as the arithmetic mean of the half-sample estimates.

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STATISTICAL TABLES

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TABLE (1.1) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETE BY SIZE CLASS OF POPULATION
RUKAL

state	size class of population	no. of sample villages			percentage of pucca houses completed		
		h.s. 1	h.s. 2	combined	h.s. 1	h.s. 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	0—249	19	20	39	..	..	..
	250—499	6	12	18	..	..	..
	500—999	52	55	107	5.33	12.41	9.55
	1000—4999	227	216	443	76.92	72.91	74.53
	5000 & above	32	33	65	17.75	14.68	15.92
	all	336	336	672	100.00	100.00	100.00
Assam	0—249	48	49	97	23.15	..	20.75
	250—499	20	24	44	..	..	..
	500—999	61	52	113	34.73	16.67	32.87
	1000—4999	50	52	102	42.12	83.33	46.38
	5000 & above	1	3	4	..	..	..
	all	180	180	360	100.00	100.00	100.00
Bihar	0—249	56	61	117	..	6.86	3.99
	250—499	31	39	70	..	20.58	11.96
	500—999	85	83	168	28.54	20.41	23.81
	1000—4999	190	181	371	65.12	50.43	56.59
	5000 & above	22	20	42	6.34	1.72	3.65
	all	384	384	768	100.00	100.00	100.00
Gujarat	0—249	15	10	25	8.39	..	4.56
	250—499	10	13	23	12.59	..	6.84
	500—999	42	51	93	20.63	40.00	29.46
	1000—4999	103	94	197	58.39	53.33	56.09
	5000 & above	10	12	22	..	6.67	3.05
	all	180	180	360	100.00	100.00	100.00
Haryana	0—249	4	3	7	32.57	..	12.44
	250—499	6	3	9	13.03	8.05	9.95
	500—999	12	20	32	5.54	22.15	15.80
	1000—4999	42	43	85	45.60	65.77	58.07
	5000 & above	8	3	11	3.26	4.03	3.74
	all	72	72	144	100.00	100.00	100.00
Jammu & Kashmir	0—249	35	41	76	1.91	11.54	3.28
	250—499	21	19	40	30.63	11.54	27.90
	500—999	57	56	113	54.79	19.66	49.80
	1000—4999	65	61	126	12.67	57.26	19.02
	5000 & above	2	3	5	..	..	..
	all	180	180	360	100.00	100.00	100.00

TABLE (1.1) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION

state	size class of population	no of sample villages			percentage of pucca houses completed			
		h.s.1	h.s.2	combined	h.s. 1	h.s. 2	combined	
		(3)	(4)	(5)	(6)	(7)	(8)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kerala	0— 249	1	..	1	..	..	..
	250— 499	3	..	3	1.13	..	0.55	
	500— 999	9	15	24	1.59	7.20	4.46	
	1000—4999	101	107	208	56.45	64.20	60.41	
	5000 & above	66	58	124	40.83	28.60	34.58	
	all	180	180	360	100.00	100.00	100.00	
Madhya Pradesh	0— 249	90	99	189	9.80	23.30	15.97	
	250— 499	80	58	138	51.42	2.91	29.27	
	500— 999	177	105	222	18.37	33.98	25.49	
	1000—4999	73	95	168	20.41	32.04	25.73	
	5000 & above	..	3	3	..	7.77	3.54	
	all	360	360	720	100.00	100.00	100.00	
Madras	0— 249	3	7	10	16.14	..	8.84	
	250— 499	4	2	6	5.38	..	2.95	
	500— 999	28	24	52	3.81	5.02	4.36	
	1000—4999	231	225	456	51.67	59.99	55.43	
	5000 & above	46	54	100	23.00	34.99	28.42	
	all	312	312	624	100.00	100.00	100.00	
Maharashtra	0— 249	28	24	52	..	..	..
	250— 499	21	20	41	1.07	16.58	5.40	
	500— 999	105	89	194	29.06	22.85	27.32	
	1000—4999	168	193	361	39.92	55.04	44.14	
	5000 & above	26	22	48	29.95	5.53	23.14	
	all	348	348	696	100.00	100.00	100.00	
Mysore	0— 249	30	28	58	6.58	12.25	9.11	
	250— 499	18	14	32	9.86	14.29	11.83	
	500— 999	36	51	87	5.81	21.23	12.69	
	1000—4999	111	104	215	56.93	50.19	53.92	
	5000 & above	9	7	16	20.82	2.04	12.45	
	all	204	204	408	100.00	100.00	100.00	
Orissa	0— 249	65	56	121	37.21	6.78	19.61	
	250— 499	19	22	41	..	40.70	23.54	
	500— 999	55	56	111	27.91	16.96	21.58	
	1000—4999	40	46	86	34.88	35.56	35.27	
	5000 & above	1	..	1	..	..	..
	all	180	180	360	100.00	100.00	100.00	

TABLE (1-1) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUGCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION

RURAL

state	size class of population	no. of sample villages			percentage of pucca houses completed		
		h.s.1	h.s. 2	combined	h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Punjab	0— 249	8	6	14	6.58	..	4.53
	250— 499	8	10	18	9.87	21.75	13.58
	500— 999	25	28	53	18.10	34.63	23.26
	1000—4999	53	52	105	58.87	43.62	54.10
	5000 & above	2	..	2	6.58	..	4.53
	all		96	96	192	100.00	100.00
Rajasthan	0— 249	44	35	79	..	8.05	4.40
	250— 499	14	17	31	30.28	16.09	22.53
	500— 999	50	56	106	17.36	29.40	23.94
	1000—4999	80	79	159	49.94	45.46	47.48
	5000 & above	4	5	9	2.42	1.00	1.65
	all		192	192	384	100.00	100.00
Uttar Pradesh	0— 249	92	79	171	11.71	15.28	13.91
	250— 499	63	63	126	20.81	16.08	17.89
	500— 999	121	143	264	11.47	34.67	25.81
	1000—4999	237	227	464	52.11	29.55	38.17
	5000 & above	15	16	31	3.90	4.42	4.22
	all		528	528	1056	100.00	100.00	100.00
West Bengal	0— 249	47	39	86	6.56	..	3.76
	250— 499	23	23	46	13.11	..	7.51
	500— 999	46	65	111	10.94	38.10	22.54
	1000—4999	142	127	269	51.35	48.71	50.23
	5000 & above	18	22	40	18.04	13.19	15.96
	all		276	276	552	100.00	100.00	100.00
Delhi & Chandigarh	0— 249	..	..	..	..	..	..
	250— 499	..	..	..	..	..	..
	500— 999	4	2	6	40.99	..	33.59
	1000—4999	8	10	18	59.01	100.00	66.41
	5000 & above	..	..	..	..	..	..
	all		12	12	24	100.00	100.00
Goa, Daman & Diu	0— 249	..	..	..	..	..	..
	250— 499	..	1	1	..	..	..
	500— 999	1	1	2	..	..	..
	1000—4999	10	8	18	100.00	100.00	100.00
	5000 & above	1	2	3	..	..	..
	all		12	12	24	100.00	100.00

Construction of Pucca Houses in Rural and Urban Areas

TABLE (1.1) PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION

RURAL

state	size class of population	no. of sample villages			percentage of pucca houses completed		
		h. s. 1	h. s. 2	combined	h. s. 1	h. s. 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Himachal Pradesh	0— 249	23	21	44	100.00	100.00	100.00
	250— 499	2	4	6	..	..	..
	500— 999	2	5	7	..	..	..
	1000—4999	8	5	13	..	..	..
	5000 & above	8	1	2	..	..	..
	all		36	36	72	100.00	100.00
Manipur	0— 249	32	28	60	..	..	..
	250— 499	5	9	14	..	..	..
	500— 999	15	15	30	..	..	..
	1000—4999	43	43	86	..	..	..
	5000 & above	1	1	2	..	..	..
	all		96	96	192
Pondicherry	0— 249	2	..	2	..	..	..
	250— 499	..	1	1	..	..	..
	500— 999	1	5	6	..	2.25	2.25
	1000—4999	7	6	13	..	97.75	97.75
	5000 & above	2	..	2	..	..	..
	all		12	12	24	..	100.00	100.00
Tripura	0— 249	53	49	102	..	..	..
	250— 499	7	10	17	..	..	..
	500— 999	15	18	33	..	71.43	72.00
	1000—4999	21	19	40	..	28.57	28.00
	5000 & above	..	..	..	..	..	..
	all		96	96	192	..	100.00	100.00
All India	0— 249	695	655	1350	8.77	7.98	8.37
	250— 499	361	364	725	12.56	12.18	12.37
	500— 999	939	995	1934	15.32	24.86	20.15
	1000—4999	2010	1993	4003	51.19	46.22	48.67
	5000 & above	267	265	532	12.16	8.76	10.44
	all		4272	4272	8544	100.00	100.00	100.00

TABLE (1-2) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY
SIZE CLASS OF POPULATION
URBAN

state	size class of population	no. of sample blocks			percentage of construction completed					
		h.s.1	h.s. 2	comb.	houses			housing units		
					h.s. 1	h.s. 2	comb.	h.s. 1	h.s. 2	comb.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh .	100000 & above	67	67	134	23·81	44·79	35·00	26·68	32·84	30·13
	99999—50000	19	17	36	3·57	1·04	2·22	5·68	1·49	3·33
	49999—20000	52	54	106	51·19	30·21	40·00	49·54	44·03	46·45
	19999— & below	54	54	108	21·43	23·96	22·78	18·10	21·64	20·09
	all	192	192	384	100·00	100·00	100·00	100·00	100·00	100·00
Assam	100000 & above	13	13	26	..	33·33	4·40	..	33·33	4·40
	99999—50000	12	11	23	1·27	..	1·10	1·27	..	1·10
	49999—20000	18	19	37	74·68	50·00	71·43	74·68	50·00	71·43
	19999 & below	29	29	58	24·05	16·67	23·07	24·05	16·67	23·07
	all	72	72	144	100·00	100·00	100·00	100·00	100·00	100·00
Bihar	100000 & above	53	53	106	31·43	25·81	28·22	7·77	33·33	14·83
	99999—50000	17	20	37	7·14	5·38	6·13	2·47	4·63	3·07
	49999—20000	39	33	72	17·14	26·88	22·71	73·15	23·15	59·33
	19999 & below	47	50	97	44·29	41·93	42·94	16·61	38·89	22·77
	all	156	156	312	100·00	100·00	100·00	100·00	100·00	100·00
Gujarat	100000 & above	41	38	79	26·34	55·56	32·92	39·84	77·95	52·64
	99999—50000	11	10	21	38·17	5·56	30·83	29·48	2·36	20·37
	49999—20000	20	25	45	10·22	16·66	11·67	9·17	7·09	8·47
	19999 & below	24	23	47	25·27	22·22	24·58	21·51	12·60	18·52
	all	96	96	192	100·00	100·00	100·00	100·00	100·00	100·00

TABLE (1-2) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION
URBAN

state	size class of population	no. of sample blocks			percentage of construction completed					
		h.s. 1	h.s. 2	comb.	houses			housing units		
					h.s. 1	h.s. 2	comb.	h.s. 1	h.s. 2	comb.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Haryana	100000 & above	2	2	4	10.00	20.00	15.00	10.00	20.00	15.00
	99999—50000.	10	10	20	30.00	10.00	20.00	30.00	10.00	20.00
	49999—20000.	15	12	27	30.00	40.00	35.00	30.00	40.00	35.00
	19999 & below	9	12	21	30.00	30.00	30.00	30.00	30.00	30.00
	all	36	36	72	100.00	100.00	100.00	100.00	100.00	100.00
Jammu & Kashmir	100000 & above	36	36	72	72.73	57.90	68.25	70.83	52.38	65.22
	99999—50000.	..	..	..	..	..	..	..	..	..
	49999—20000.	3	3	6	..	5.26	1.59	..	4.76	1.45
	19999 & below	33	33	66	27.27	36.84	30.16	29.17	42.86	33.33
	all	72	72	144	100.00	100.00	100.00	100.00	100.00	100.00
Kerala	100000 & above	22	25	47	29.83	18.64	24.14	30.51	18.03	24.18
	99999—50000.	12	11	23	5.26	18.64	12.07	5.08	19.67	12.48
	49999—20000.	21	20	41	47.37	23.73	35.36	47.46	22.95	35.00
	19999 & below	17	16	33	17.54	38.99	28.43	16.95	39.35	28.34
	all	72	72	144	100.00	100.00	100.00	100.00	100.00	100.00
Madhya Pradesh	100000 & above	47	46	93	4.67	39.60	16.25	5.20	37.17	16.57
	99999—50000.	13	15	28	2.00	2.68	2.22	2.89	2.09	2.61
	49999—20000.	31	35	66	20.67	21.48	20.95	23.12	31.42	26.07
	19999 & below	53	48	101	72.66	36.24	60.58	68.79	29.32	54.75
	all	144	144	288	100.00	100.00	100.00	100.00	100.00	100.00
Madras	100000 & above	65	60	125	37.29	45.01	42.11	36.30	42.83	40.71
	99999—50000.	21	24	45	15.25	11.76	13.08	20.74	23.72	22.76
	49999—20000.	36	38	74	14.41	15.35	14.99	14.07	12.03	12.70
	19999 & below	58	58	116	33.05	27.88	29.82	28.89	21.42	23.83
	all	180	180	360	100.00	100.00	100.00	100.00	100.00	100.00

TABLE (1.2) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION
URBAN

state	size class of population	no. of sample blocks			percentage of construction completed					
		h.s.1	h.s.2	combined	houses			housing units		
					h.s.1	h.s.2	comb.	h.s.1	h.s.2	comb.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Uttar Pradesh	100000 & above	145	144	289	34.36	41.83	38.33	36.32	40.61	38.55
	99999—50000.	37	38	75	10.30	16.30	13.54	10.38	14.85	12.70
	49999—20000.	48	50	98	22.70	22.82	22.77	22.17	24.89	23.58
	19999 & below	58	56	114	32.51	19.05	25.36	31.13	19.65	25.17
	all	288	288	576	100.00	100.00	100.00	100.00	100.00	100.00
West Bengal	100000 & above	114	114	228	71.27	15.00	53.54	71.43	7.06	40.34
	99999—50000.	28	30	58	13.79	32.50	19.69	13.19	62.35	36.93
	49999—20000.	43	45	88	13.79	35.00	20.47	14.28	21.18	17.61
	19999 & below	31	27	58	1.15	17.50	6.30	1.10	9.41	5.12
	all	216	216	432	100.00	100.00	100.00	100.00	100.00	100.00
Delhi & Chandigarh	100000 & above	57	58	115	95.71	93.94	95.15	97.18	95.83	96.93
	99999—50000.	3	2	5	4.29	6.06	4.85	2.82	4.17	3.07
	49999—20000.	..	..	..	..	..	..	..	..	..
	19999 & below	..	..	..	..	..	..	..	..	..
	all	60	60	120	100.00	100.00	100.00	100.00	100.00	100.00
Goa, Daman & Diu	100000 & above	..	..	..	..	..	..	..	..	..
	99999—50000.	..	..	..	..	..	..	..	..	..
	49999—20000.	4	4	8	..	..	..	..	..	..
	19999 & below	8	8	16	100.00	100.00	100.00	100.00	100.00	100.00
	all	12	12	24	100.00	100.00	100.00	100.00	100.00	100.00
Himachal Pradesh	100000 & above	..	..	..	..	..	..	..	..	..
	99999—50000.	..	..	..	..	..	..	..	..	..
	49999—20000.	5	6	11	..	..	..	..	..	..
	19999 & below	7	6	13	100.00	..	100.00	100.00	..	100.00
	all	12	12	24	100.00	..	100.00	100.00	..	100.00

TABLE (1·2) : PERCENTAGE DISTRIBUTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED BY SIZE CLASS OF POPULATION
URBAN

state	size class of population	no. of sample blocks			percentage of construction completed					
		h.s.1	h.s.2	combined	houses			housing units		
					h.s.1	h.s.2	comb.	h.s.1	h.s.2	comb.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Manipur	100000 & above	..	..	..	..	..	..	..	..	..
	99999—50000.	24	24	48	100·00	100·00	100·00	100·00	100·00	100·00
	49999—20000.	..	..	..	..	..	..	..	..	..
	19999 & below	..	..	..	..	..	..	..	..	..
	all . . .	24	24	48	100·00	100·00	100·00	100·00	100·00	100·00
Pondicherry	100000 & above	..	..	..	..	..	..	..	..	..
	99999—50000.	..	..	..	..	..	..	..	..	..
	49999—20000.	10	9	19	..	88·89	88·89	..	90·00	90·00
	19999 & below	2	3	5	..	11·11	11·11	..	10·00	10·00
	all . . .	12	12	24	..	100·00	100·00	..	100·00	100·00
Tripura	100000 & above	..	..	..	..	..	..	..	..	—
	99999—50000.	11	12	23	50·00	80·77	78·57	50·00	80·77	78·57
	49999—20000.	..	..	..	..	..	..	..	..	..
	19999 & below	13	12	25	50·00	19·23	21·43	50·00	19·23	21·43
	all . . .	24	24	48	100·00	100·00	100·00	100·00	100·00	100·00
All-India	100000—& above	939	935	1874	35·59	44·52	39·49	44·87	46·36	45·49
	99999—50000.	293	294	587	17·03	10·58	14·21	14·77	14·29	14·57
	49999—20000.	447	461	908	18·33	18·51	18·41	19·55	17·12	18·54
	19999 & below	625	614	1239	29·05	26·39	27·89	20·81	22·23	21·40
	all . . .	2304	2304	4608	100·00	100·00	100·00	100·00	100·00	100·00

TABLE (2-1) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

RURAL				
state	size class of population	rate of construction of pucca houses completed per 1000 of population		
		h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	0— 499	..	..	..
	500— 999	0.11	0.36	0.23
	1000—4999	0.32	0.45	0.39
	5000 & above	0.46	0.56	0.51
	all	0.28	0.42	0.35
Assam	0— 499	..	..	0.15
	500— 999	0.46	0.03	0.24
	1000—4999	0.52	0.12	0.32
	5000 & above	..	..	..
	all	0.42	0.05	0.23
Bihar	0— 499	..	0.54	0.27
	500— 999	0.38	0.38	0.38
	1000—4999	0.42	0.45	0.44
	5000 & above	0.24	0.09	0.17
	all	0.31	0.42	0.37
Gujarat	0— 499	0.80	..	0.40
	500— 999	0.45	0.74	0.59
	1000—4999	0.58	0.45	0.51
	5000 & above	..	0.48	0.24
	all	0.54	0.46	0.50
Haryana	0— 499	4.07	1.16	2.61
	500— 999	0.28	1.78	1.03
	1000—4999	0.77	1.79	1.28
	5000 & above	0.44	0.88	0.66
	all	1.02	1.65	1.34
Jammu & Kashmir	0— 499	1.37	0.16	0.76
	500— 999	2.52	0.15	1.33
	1000—4999	0.53	0.40	0.47
	5000 & above	..	..	..
	all	1.43	0.24	0.83

TABLE (2·1) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

RURAL

state	size class of population	rate of construction of pucca houses completed per 1000 of population		
		h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)
Kerala	0— 499	1·61	..	0·80
	500— 999	0·36	1·71	1·04
	1000—4999	0·84	1·00	0·92
	5000 & above	1·41	1·03	1·22
	all	0·99	1·03	1·01
Madhya Pradesh	0— 499	0·43	0·16	0·29
	500— 999	0·17	0·27	0·22
	1000—4999	0·23	0·30	0·27
	5000 & above	..	3·23	1·61
	all	0·29	0·25	0·27
Madras	0— 499	11·15	..	5·57
	500— 999	0·43	0·47	0·45
	1000—4999	0·82	0·79	0·80
	5000 & above	1·44	1·81	1·62
	all	1·11	0·92	1·02
Maharashtra	0— 499	0·05	0·28	0·16
	500— 999	0·74	0·23	0·49
	1000—4999	0·52	0·28	0·40
	5000 & above	2·37	0·17	1·27
	all	0·66	0·25	0·46
Mysore	0— 499	0·64	0·83	0·73
	500— 999	0·17	0·51	0·34
	1000—4999	0·85	0·60	0·73
	5000 & above	2·60	0·21	1·40
	all	0·75	0·60	0·67
Orissa	0— 499	0·32	0·56	0·44
	500— 999	0·33	0·27	0·30
	1000—4999	0·45	0·63	0·54
	5000 & above	..	..	..
	all	0·36	0·49	0·42
Punjab	0— 499	2·13	1·28	1·70
	500— 999	1·56	1·35	1·46
	1000—4999	2·72	0·91	1·81
	5000 & above	4·41	..	2·21
	all	2·35	1·07	1·71

TABLE (2.1) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

RURAL

state	size class of population	rate of construction of pucca houses completed per 1000 of population		
		h. s. 1	h. s. 2	combined
(1)	(2)	(3)	(4)	(5)
Rajasthan	0— 499	1.16	1.12	1.14
	500— 999	0.70	1.43	1.06
	1000—4999	1.36	1.49	1.42
	5000 & above	0.77	0.38	0.58
	all	1.10	1.33	1.21
Uttar Pradesh	0— 499	0.97	1.51	1.24
	500— 999	0.29	1.44	0.87
	1000—4999	0.87	0.80	0.84
	5000 & above	0.80	1.46	1.13
	all	0.73	1.18	0.96
West Bengal	0— 499	0.26	..	0.13
	500— 999	0.12	0.31	0.21
	1000—4999	0.25	0.18	0.22
	5000 & above	0.66	0.36	0.51
	all	0.25	0.19	0.22
Delhi & Chandigarh	0— 499	..	..	..
	500— 999	17.29	..	8.65
	1000—4999	9.58	3.58	6.58
	5000 & above	..	..	..
	all	10.81	2.38	6.60
Goa, Daman & Diu	0— 499	..	..	..
	500— 999	..	..	..
	1000—4999	0.20	0.20	0.20
	5000 & above	..	..	..
	all	0.14	0.14	0.14
Himachal Pradesh	0— 499	0.45	0.45	0.45
	500— 999	..	..	..
	1000—4999	..	..	..
	5000 & above	..	..	..
	all	0.22	0.22	0.22
Manipur	0— 499	..	..	..
	500— 999	..	..	..
	1000—4999	..	..	..
	5000 & above	..	..	..
	all	..	..	..

TABLE (2-1) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

RURAL

state	size class of population	rate of construction of pucca houses completed per 1000 of population		
		h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)
Pondicherry	0— 499	..	..	..
	500— 999	..	0.50	0.25
	1000—4999	..	9.47	4.73
	5000 & above	..	..	..
	all	..	5.09	2.54
Tripura	0— 499	..	..	..
	500— 999	..	0.14	0.07
	1000—4999	..	0.05	0.03
	5000 & above	..	..	..
	all	..	0.05	0.02
All-India	0— 499	0.65	0.63	0.64
	500— 999	0.42	0.69	0.56
	1000—4999	0.67	0.62	0.65
	5000 & above	1.08	0.80	0.94
	all	0.64	0.65	0.65

TABLE (2.2) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

URBAN

state	size class of population	rate of construction completed per 1000 of population					
		houses			housing units		
		h.s.1	h.s.2	combined	h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	100000 & above	0.38	0.81	0.59	0.53	0.83	0.68
	99999—50000	0.24	0.08	0.16	0.47	0.16	0.31
	49999—20000	1.36	0.92	1.14	1.64	1.86	1.75
	19999 & below	0.54	0.69	0.62	0.57	0.87	0.72
	all	0.64	0.73	0.69	0.80	1.03	0.91
Assam	100000 & above	..	..	0.40	..	0.79	0.40
	99999—50000	0.15	..	0.08	0.15	..	0.08
	49999—20000	4.06	0.41	2.23	4.06	0.41	2.23
	19999 & below	0.97	0.10	0.54	0.97	0.10	0.54
	all	1.73	0.26	1.00	1.73	0.26	1.00
Bihar	100000 & above	0.66	0.72	0.69	0.66	1.08	0.87
	99999—50000	0.39	0.39	0.39	0.55	0.39	0.47
	49999—20000	0.47	0.98	0.73	8.16	0.98	4.57
	19999 & below	1.07	1.34	1.21	1.02	1.45	1.53
	all	0.70	0.93	0.81	2.82	1.08	1.95
Gujarat	100000 & above	1.74	1.06	1.40	3.55	3.51	3.53
	99999—50000	1.01	0.04	0.53	1.05	0.04	0.55
	49999—20000	1.18	0.56	0.87	1.43	0.56	1.00
	19999 & below	3.10	0.79	1.94	3.56	1.05	2.31
	all	2.80	0.81	1.81	3.78	1.91	2.84
Haryana	100000 & above	0.70	1.40	1.05	0.70	1.40	1.05
	99999—50000	0.42	0.14	0.28	0.42	0.14	0.28
	49999—20000	0.72	0.96	0.84	0.72	0.96	0.84
	19999 & below	0.70	0.70	0.70	0.70	0.70	0.70
	all	0.59	0.59	0.59	0.59	0.59	0.59
Jammu & Kashmir	100000 & above	0.99	0.34	0.66	1.05	0.34	0.70
	99999—50000	..	..	..	..	..	..
	49999—20000	..	0.57	0.28	..	0.57	0.28
	19999 & below	0.78	0.46	0.62	0.91	0.59	0.75
	all	0.89	0.38	0.64	0.97	0.42	0.70
Kerala	100000 & above	1.16	0.75	0.96	1.23	0.75	0.99
	99999—50000	0.37	1.37	0.87	0.37	1.49	0.93
	49999—20000	1.43	0.74	1.09	1.49	0.74	1.11
	19999 & below	0.78	1.80	1.29	0.78	1.88	1.33
	all	1.05	1.09	1.07	1.09	1.12	1.10

TABLE (2) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUGCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

URBAN

state	size class of population	rate of construction completed per 1000 of population					
		houses			housing units		
		h.s.1	h.s.2	combined	h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Madhya Pradesh	100000 & above	2.35	9.90	6.12	3.02	11.92	7.46
	99999—50000	2.99	1.99	2.48	4.99	1.99	3.50
	49999—20000	1.33	0.69	1.01	1.72	1.29	1.51
	19999 & below	3.48	0.86	2.17	3.79	0.89	2.34
	all	1.59	0.79	1.19	1.83	1.01	1.42
Madras	100000 & above	1.01	2.02	1.52	1.13	2.78	1.95
	99999—50000	1.10	1.41	1.26	1.72	4.11	2.91
	49999—20000	2.52	4.44	3.48	2.81	5.03	3.92
	19999 & below	1.25	1.75	1.50	1.25	1.94	1.60
	all	1.02	1.70	1.36	1.17	2.45	1.81
Maharashtra	100000 & above	0.50	0.14	0.32	2.00	0.51	1.25
	99999—50000	2.34	0.45	1.40	5.23	0.45	2.84
	49999—20000	1.02	0.39	0.70	1.05	0.56	0.81
	19999 & below	1.61	0.29	0.95	1.66	0.32	0.99
	all	0.93	0.22	0.58	2.11	0.48	1.29
Mysore	100000 & above	1.46	2.85	2.16	3.99	3.35	3.67
	99999—50000	2.89	0.93	1.91	3.45	0.93	2.19
	49999—20000	1.47	0.31	0.89	2.09	0.31	1.20
	19999 & below	0.93	1.46	1.20	1.01	1.50	1.26
	all	1.49	1.70	1.60	2.63	1.90	2.27
Orissa	100000 & above	0.74	1.11	0.92	0.74	1.11	0.92
	99999—50000	..	..	..	..	..	..
	49999—20000	0.96	0.60	0.78	0.96	0.60	0.78
	19999 & below	0.37	0.48	0.42	0.37	0.48	0.42
	all	0.46	0.49	0.47	0.46	0.49	0.47
Punjab	100000 & above	0.84	0.84	0.84	0.93	1.21	1.07
	99999—50000	0.86	1.29	1.08	0.86	1.29	1.08
	49999—20000	0.48	0.59	0.53	0.48	0.71	0.59
	19999 & below	1.49	0.27	0.88	1.76	0.41	1.09
	all	0.90	0.66	0.78	1.00	0.87	0.94
Rajasthan	100000 & above	1.44	1.56	1.50	1.48	1.93	1.70
	99999—50000	0.76	..	0.38	0.76	..	0.38
	49999—20000	0.41	0.83	0.62	0.83	1.24	1.03
	19999 & below	0.98	1.14	1.06	1.02	2.60	1.81
	all	1.02	1.15	1.09	1.14	1.88	1.51
Uttar Pradesh	100000 & above	0.56	0.78	0.67	0.78	0.94	0.86
	99999—50000	0.66	1.17	0.91	0.86	1.32	1.09
	49999—20000	1.05	1.19	1.12	1.34	1.62	1.48
	19999 & below	1.42	0.94	1.18	1.77	1.21	1.49
	all	0.83	0.93	0.88	1.07	1.16	1.12

TABLE (2.2) : RATE OF CONSTRUCTION OF ESTIMATED NUMBER OF PUCCA HOUSES COMPLETED PER 1000 OF POPULATION BY SIZE CLASS

URBAN

state	size class of population	rate of construction completed per 1000 of population					
		houses			housing units		
		h. s. 1	h. s. 2	comb.	h. s. 1	h. s. 2	comb.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
West Bengal	100000 & above	0.97	0.09	0.53	1.02	0.09	0.55
	99999—50000	0.70	0.75	0.73	0.70	3.08	1.89
	49999—20000	0.61	0.71	0.66	0.66	0.92	0.79
	19999 & above	0.07	0.48	0.28	0.07	0.55	0.31
	all	0.75	0.35	0.55	0.79	0.74	0.76
Delhi & Chandigarh	100000 & above	1.67	0.77	1.22	5.17	1.15	3.16
	99999—50000	1.95	1.30	1.62	3.90	1.30	2.60
	49999—20000	..	..	..	..	..	..
	19999 & below	..	..	..	..	..	..
	all	1.65	0.78	1.21	5.02	1.13	3.08
Goa, Daman & Diu	100000 & above	..	..	..	..	..	..
	99999—50000	..	..	..	..	..	..
	49999—20000	..	..	..	..	..	..
	19999 & above	0.27	2.15	1.21	0.27	2.15	1.21
	all	0.16	1.28	0.72	0.16	1.28	0.72
Himachal Pradesh	100000 & above	..	..	..	..	..	..
	99999—50000	..	..	..	..	..	..
	49999—20000	..	..	..	..	..	..
	19999 & below	0.93	..	0.47	0.93	..	0.47
	all	0.57	..	0.28	0.57	..	0.28
Manipur	100000 & above	..	..	..	..	..	..
	99999—50000	0.18	0.65	0.41	0.18	0.65	0.41
	49999—20000	..	..	..	..	..	..
	19999 & below	..	..	..	..	..	..
	all	0.18	0.65	0.41	0.18	0.65	0.41
Pondicherry	100000 & above	..	..	..	..	..	..
	99999—50000	..	..	..	..	..	..
	49999—20000	..	1.53	0.77	..	1.72	0.86
	19999 & below	..	0.45	0.23	..	0.46	0.23
	all	..	1.21	0.60	..	1.35	0.67
Tripura	100000 & above	..	..	..	..	..	..
	99999—50000	0.13	2.68	1.40	0.13	2.68	1.40
	49999—20000	..	..	..	..	..	..
	19999 & below	0.15	0.73	0.44	0.15	0.73	0.44
	all	0.14	1.77	0.95	0.24	1.77	0.95
All-India	100000 & above	0.88	0.85	0.86	1.72	1.27	1.50
	99999—50000	1.53	0.74	1.13	2.06	1.43	1.75
	49999—20000	1.01	0.79	0.90	1.68	1.05	1.36
	19999 & below	1.36	0.96	1.16	1.51	1.16	1.34
	all	1.10	0.85	0.97	1.70	1.22	1.46

APPENDIX II
FACSIMILE OF THE SCHEDULES OF INVESTIGATION

GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY:1967-68
Schedule 0.1 : General Schedule

RURAL

Twentysecond Round

[1] identification of sample village			
1. serial number		8. state	14. no. of (i) census vill. in rev. vill. (ii) rev. vill. in census vill.
2. zone-state-region		9. district	
3. stratum		10. tehsil	15. no. of hamlet-groups (i) original (ii) revised... .. (iii) used.....
4. sub-sample		11. village	
5. sample village		12. hamlet(s)	
6. sub-round			16. random no. in BI (3.1)
7. village size		13. total no. of (i) births.....(ii) deaths.....	

[2] particulars of field-work								
sr. no.	officer	name	roll no.	date(s)			signature	add. schs./ sheets
				receipt	operation	despatch		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	investigator			X				
2.	inspector							
3.	scrutiniser		X					

[3.1] list of hamlet groups and record of selection											
sr. no.	name of hamlet	per cent population	hamlet group	sr. no.	name of hamlet	per cent population	hamlet group	sr. no.	name of hamlet	per cent population	hamlet group
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)

[3.2] particulars of household selection														
sr. no.	item	household class number						total	interval			random start		
		1	2	3	4	5	6		original	revised	used	original	revised	used
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1.	total no. of households								X	X	X	X	X	X
2. no. of sample households.	(a) combined sample													
	(b) schedule 16													
	(c) schedule 12								X	X	X	X	X	X
	(d) schedule 9.													

[4.1] remarks by investigator	[4.2] comments by inspecting officer

*delete whichever is inapplicable.

Sch. 0.1-3

[5] general information about the sample village

[5.1] distance of the village from the nearest

sr. no.	item	distance in (0.00) km	sr. no.	item	distance in (0.00) km	sr. no.	item	distance in (0.00) km
(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)
1.	metalled road		7.	public library		13.	market/hat with periodicity	
2.	post and/or tele. office		8.	charitable dispensary		14.	agriculture extension office	
3.	bus stop		9.	family planning information centre		15.	source of electricity	
4.	primary school		10.	midwife		16.	drinking water supply	
5.	middle school		11.	veterinary hospital		17.	cold storage	
6.	high school/higher secondary school		12.	town ()		18.	fertiliser depot	

[5.2] rates of some selected consumer goods and services

[5.3] school education

sr. no.	description of goods/services	unit	rate per unit Rs. (0.00)	sr. no.	type of school	number of				
						schools		students	teachers	
(1)	(2)	(3)	(4)			(3)	(4)			(5)	(6)
1.	max. fee per pupil—primary	month								
2.	min. fee per pupil—secondary	month		(1)	(2)	(3)	(4)	(5)	(6)	
3.	regd. doctor's (allopath.) min. fee	visit		1.	primary					
4.	midwife's min. fee	delivery								
5.	barber's charges for hair cut (adult)	service		2.	middle					
6.	tailoring charges for cotton shirt (adult)	shirt		3.	high					
7.	bus fare per passenger	kilometer		4.	others					
8.	bullock-cart fare per cart	kilometer								

[5.4] resident medical practitioners

sr. no.	type of medical practitioners	mainly practising		total number
		number		
(1)	(2)	inside village	outside village	(5)
1.1	graduate			
1.2	licentiate			
2.1	homeopath			
2.2	vaid			
2.3	hakim			

[5.5] number of pucca houses completed during last 365 days

page totals	total number
(1)	(2)

[6] list of households and record of selection

household particulars								sampling serial number						sample hh. no.			
house no.	household serial no.	name of head of household	hh. size	means of livelihood (a)	number of		hh. class code (b)	household class no. & code						order of selection	schedule		
					births	deaths		1	2	3j	4	5	6		9	16	12
								11	21	22	12	13	23				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)

[6] list of households and record of selection

household particulars								sampling serial number						sample hh. no.							
house no. (1)	household serial no. (2)	name of head of household (3)	hh. size (4)	means of livelihood (a) (5)	number of (6)		hh. class code (b) (8)	household class no. & code						order of selection (15)	schedule						
					births (7)	deaths (7)		1 (9)	2 (10)	3 (11)	4 (12)	5 (13)	6 (14)		9 (16)	16 (17)	12 (18)				

(a) means of livelihood code : self employed in agriculture-1, self employed in non-agriculture-2, others-3.

(b)

hh class code	11	21	22	12	13	23
hh size	1 to 4	5 or more	5 or more	1 to 4	1 to 4	5 or more
mi code	1	1	2	2	3	3

GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY : 1967-68

URBAN

Schedule 0'2: General Schedule

Twentysecond Round

[1] identification of sample block								
1. serial number		7. state		12. random no. for bl. [3.1]				
2. zone-state-region		8. district		13. total no. of (i) births				
3. stratum		9. town		(ii) deaths				
4. sub-sample		10. block		(iii) unemployed				
5. sample block		11. no. of sub-blocks (i) original....		(iv) self-employed				
6. sub-round		(ii) revised.....(ii) used.....		14. block size				

[2] particulars of field work								
sr. no.	officer	name	roll no.	date(s)			signature	addl. schs/sheets
				receipt	operation	despatch		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	investigator			x				
2.	inspector							
3.	scrutiniser		x					

[3.1] list of sub-blocks and record of selection		
sr. no.	boundaries of sub-block (in terms of streets and house number)	per cent popln.
(1)	(2)	(3)

[3.2] particulars of household selection														
sr. no.	item	household class number						total	interval			random start		
		1	2	3	4	5	6		orig.	revised	used	orig.	revised	used
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1.	total no. of households								x	x	x	x	x	x
2. no. of sample households	(a) combined sample													
	(b) schedule 16													
	(c) schedules 10 and 12								x	x	x	x	x	x

[4.1] remarks by investigator	[4.2] remarks by inspecting officer

* delete whichever is inapplicable.

Sch. 0.2-2

[5] general information about the sample block
[5.1] some specific information

sr. no.	item	code
(1)	(2)	(3)
1.	drainage : (no drainage-1 ; surface-kutcha-2 ; surface-pucca-3 ; under ground-4)	
2.	water supply by local bodies : (no supply-1 ; filtered-2 ; unfiltered-3)	

[5.2] distance of the block from the nearest

[5.3] rates of some selected consumer services

sr. no.	item	distance in (0.00)k.m.	sr. no.	description of services	unit	rate per unit Rs.(0.00)
(1)	(2)	(3)	(1)	(2)	(3)	(4)
1.	library		1.	cinema, min. admission fee per adult	show	
2.	public park		2.	regd. doctor's (allopath) min. fee	visit	
3.	factory area		3.	whole time domestic (male) servant's wages	month	
4.	slum area		4.	tailoring charges for cotton shirt (adult)	shirt	
5.	inoculation centre		5.	washerman's charges for washing clothes	100pcs.	
6.	family planning unit					

[5.4] school education

[5.5] resident medical practitioners

sr. no.	type of school	number of				sr. no.	type of medical practitioners	mainly practising				total no.	
		schools		students	teachers			tally marks		number			
		govt.	total					inside block	outside block	inside block	outside block		
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1.	kindergarten					1.1	non-allopath/allopath	graduate					
2.	primary					1.2		licentiate					
3.	middle					2.1		homeopath					
4.	high					2.2		vaid					
5.	others					2.3		hakim					

[5.6] sketch map of the sample block showing the sub-blocks formed

[5.7] number of pucca houses completed during last 365 days

1. no. of tick marks in col. (1), block 6
2. no. of tick marks in col. (2), block 6

Sch. 0.2-8

[6] list of households and record of selection

household particulars										sampling serial number						sample hh. no.	
house number (1)	household serial number (2)	name of head of household (3)	household size (4)	no. of persons		no. of		household class code (g) (9)	household class no. and code						order of selection (16)	schedule	
				un-employed (5)	self-employed (6)	births (7)	deaths (8)		1 (10)	2 (11)	3 (12)	4 (13)	5 (14)	6 (15)		16 (17)	10 & 12 (18)

() hh class code	11	21	200	201	101	100
household size	1 to 3	4 or more	4 or more	4 or more	1 to 3	1 to 3
unemployed (number)	1 or more	1 or more	0	0	0	0
self-employed (number)	—	—	0	1 or more	1 or more	0

NATIONAL SAMPLES SURVEY REPORTS ALREADY PUBLISHED

Sl. No.

- 1 General Report No. 1 on the First Round (October 1950-March 1951)
- 2 Tables with Notes on the Second Round (April-June 1951)
- 3 Tables with Notes on the Third Round (August-November 1951)
- 4 Special Report on the Survey of Persons in the "Live-Register" of Delhi Employment Exchange (August-September 1951)
- 5 Technical Paper on Some Aspects of the Development of the Sample Design
- 6 Survey of Faridabad Township (March-April 1954)
- 7 Couple Fertility (Second Round : April-June, 1951 and Fourth Round : April-September 1952)
- 8 Report on Preliminary Survey of Urban Unemployment (September 1953)
- 9 Report on the Sample Survey of Displaced Persons in the Urban Areas of the Bombay State (July-September 1955)
- 10 First Report on Land Holdings, Rural Sector (Eighth Round : July 1954-March 1955)
- 11 Report on Sample Survey of Manufacturing Industries, 1949-50
- 12 A Technical Note on Age Grouping, October 1958
- 13 Report on Household Transport Operations (Seventh Round : October 1953-March 1954)
- 14 Report on Some Characteristics of the Economically Active Population (Fourth to Seventh Rounds : April 1952-March 1954)
- 15 Report on Sample Survey of Manufacturing Industries, 1951
- 16 Preliminary Report on Employment and Unemployment (Ninth Round : May-November 1955)
- 17 Report on Sample Survey of Employment in Calcutta (September 1953)
- 18 Tables with Notes on Consumer Expenditure (Fourth Round : April-September 1952)
- 19 Report on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Seventh round : October 1953-March 1954)
- 20 Report on Pattern of Consumer Expenditure (Second to Seventh Rounds : April 1951-March 1954)
- 21 Household Small Scale Manufacturing Establishments smaller than those covered by Industries (Development & Regulations), Act 1951 (Ninth Round : May-November 1955)
- 22 Report on Sample Survey of Manufacturing Industries, 1952
- 23 Report on Sample Survey of Manufacturing Industries, 1953
- 24 Report on Household Retail Trade (Seventh to Ninth Rounds : October 1953-November 1955)
- 25 Sample Verification of Livestock Census : 1956
- 26 A Preliminary Report on Housing Condition (Seventh Round : October 1953-March 1954)
- 27 Technical Records of Sample Design, Instructions to Field Workers and List of Sample Villages and Urban Blocks (Ninth Round : May-November 1955)
- 28 Report on Sample Survey of Manufacturing Industries, 1954 (1)
- 29 Notes on Some Result of the Land Utilisation Survey (Tenth Round : December 1955-May 1956)
- 30 Report on Land Holdings (2) : Operational Holdings in Rural India (Eighth Round : July 1954-April 1955)
- 31 Tables with Notes on Household Transport Operation (Eighth to Tenth Rounds : July 1954-May 1956)
- 32(I) Some Aspects of Costs of Cultivation of Paddy, Wheat, Jowar and Bajra (Fifth to Seventh Rounds : 1951-52 & 1952-53)
- 32(II) Some Aspects of Costs of Cultivation of Barley, Maize, Ragi, Gram, Small Millets, Groundnut, Cotton and Jute (Fifth to Seventh Rounds : 1951-52 & 1952-53)
- 32(III) Some Aspects of Costs of Cultivation of Minor Cereals, Pulses, Sugarcane, Oil Seeds, Potato, Spices and Tobacco (Fifth to Seventh Rounds : 1951-52 & 1952-53)
- 33 Tables with Notes on Wages, Employment, Income and Indebtedness of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 34 Tables with Notes of Employment and Unemployment (Tenth Round : December 1955-May 1956)
- 35 Tables with Notes on Livestock Products (Fifth to Seventh Rounds : April 1952-March 1954)
- 36 Report on Land Holdings (3) : Some Aspects of Ownership Holdings (Eighth Rounds : July 1954-April 1955)
- 37 Survey of Book Reader's Preference in India (Thirteenth Round : September 1957-May 1958)
- 38 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Thirteenth Round : September 1957-May 1958)
- 39 Tables with Notes on Consumer Expenditure (Eighth Round : July 1954-March 1955)
- 40 Tables with Notes on Consumer Expenditure (Ninth Round : May-November 1955)
- 41 Household Retail Trade (Tenth Round : December 1955-May 1956)
- 42 Report on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Seventh to Eighth Rounds : October 1953-April 1955)
- 43 Tables with Notes on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Ninth and Tenth Rounds : May 1955-May 1956)
- 44 A Note on Profession and Services (Fourth to Eighth Round : April 1952-April 1955)

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

Sl. No.

- 45 Report on Indian Villages : A Study of Some Social and Economic Aspects (Tenth to Twelfth Rounds : December 1955-August 1957)
- 46 Tables with Notes on Consumer Expenditure of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 47 Tables with Notes on Consumer Expenditure (Tenth Round : December 1955-May 1956)
- 48 Preliminary Estimates of Birth and Death Rates and of the Rate of Growth of Population (Fourteenth Round : July 1958-July 1959)
- 49 Report on Morbidity (Seventh Round : Oct. 1953-March 1954 and Eleventh to Thirteenth Rounds : August 1956-May 1958)
- 50 Tables with Notes on Housing Condition (Tenth Round : December 1955-May 1956)
- 51 Tables with Notes on Housing Condition (Eleventh Round : August 1956-January 1957)
- 52 Tables with Notes on Employment and Unemployment (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 53 Tables with Notes on Internal Migration (Ninth, Eleventh, Twelfth and Thirteenth Rounds : May 1955-May 1958)
- 54 Vital Rates (Seventh Round : October 1953-March 1954)
- 55 Report on Sample Survey of Manufacturing Industries, 1954(2) : Exploratory Survey of Scheduled Industries
- 56 Report on Sample Survey of Manufacturing Industries, 1955(1) : Survey of Scheduled Industries
- 57 Report on Sample Survey of Manufacturing Industries, 1955(2)
- 58 Report on Sample Survey of Manufacturing Industries, 1956 (1) : Survey of Scheduled Industries
- 59 Tables with Notes on Pattern of Household Ownership and Possession of Land in Rural Area, 1950-51 to 1953-54 (Eighth Round : July 1954-April 1955)
- 60 Tables with Notes on Farming Condition and Practices in Rural Areas 1953-54 (Eighth Round : July 1954-April 1955)
- 61 Supplementary Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiments (Eleventh Round : August 1956-February 1957)
- 62 Supplementary Report on Employment and Unemployment (Ninth Round : May-November 1955)
- 63 Tables with Notes on Employment and Unemployment in Urban Areas (Thirteenth Round : September 1957-May 1958)
- 64 Indian Villages : A Study of Some Social and Economic Aspects (Thirteenth Round : September 1957-May 1958)
- 65 Tables with Notes on Animal Husbandry (Eleventh Round : August 1956-January 1957)
- 66 Report on Land Holdings (4) : Rural Sector, States (Eighth Round : July 1954-April 1955)
- 67 Tables with Notes on Housing Condition (Twelfth Round : March-August 1957)
- 68 Tables with Notes on Rural Indebtedness (Eighth Round : July 1954-April 1955)
- 69 Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiments (Twelfth Round : March-August 1957)
- 70 Technical Paper on Sample Design (Fourteenth Round : July 1958-June 1959)
- 71 Consumer Expenditure by Levels of Household Expenditure (Thirteenth Round : September 1957-May 1958)
- 72 Tables with Notes on Milk Production (Twelfth Round : March-August 1957)
- 73 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fourteenth Round : July 1958-June 1959)
- 74 Report on Land Holdings (5), Rural Sector (Some Aspects of Operational Holdings—Population Zones and All India) (Eighth Round : July 1954-April 1955)
- 75 Report on Sample Survey of Manufacturing Industries, 1956 (2)
- 76 Fertility and Mortality Rates in India (Fourteenth Round : July 1958-June 1959)
- 77 Tables with Notes on Consumer Expenditure (Eleventh Round : August 1956-February 1957)
- 78 Tables with Notes on Consumer Expenditure (Twelfth Round : March-August 1957)
- 79 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fifteenth Round : July 1959-June 1960)
- 80 Tables with Notes on Consumer Expenditure (Thirteenth Round : September 1957-May 1958)
- 81 Report on Land Holdings, Urban Sector (Eighth Round : July 1954-April 1955)
- 82 Tables with Notes on Some Aspects of Cost of Cultivation of Paddy, Wheat, Barley, Maize, Millets, Pulses, Oil Seeds and Vegetables, Urban India (Fifth to Seventh Rounds : 1951-1953)
- 83 Report on Sample Survey of Manufacturing Industries, 1957(1)
- 84 Tables with Notes on Sample Survey of Manufacturing Industries : Survey of Scheduled Industries, 1957
- 85 Tables with Notes on Employment and Unemployment in Urban Areas, (Fourteenth Round : July 1958-June 1959)
- 86 Tables with Notes on Sample Survey of Manufacturing Industries, 1957(2)
- 87 Tables with Notes on Average Budget of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 88 Tables with Notes on Household Receipts and Disbursements in rural and urban areas. (Fourteenth Round : July 1958-June 1959)
- 89 Tables with Notes on Dwelling Habits of Occupants of the Two-room Government Residences in New Delhi, July 1960
- 90 Tables with Notes on Survey of Scheduled Industries, 1958 : Sample Survey of Manufacturing Industries
- 91 Tables with Notes on the Annual Survey of Industries, 1959 : Sample Sector : Summary Results.

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

Sl. No.

- 92 Some Results of Land Utilisation Survey and Crop-cutting Experiments (Sixteenth Round : July 1960-July 1961)
- 93 Tables with Notes on Sample Survey of Manufacturing Industries 1958 : Factory Establishments : Summary Result
- 94 Tables with Notes on Small Scale Manufacture : Rural and Urban Household Enterprises smaller than the registered factories (Fourteenth Round : July 1958-June 1959)
- 95 Tables with Notes on Household Indebtedness (Sixteenth Round : July 1960-June 1961)
- 96 Tables with Notes on the Annual Survey of Industries, 1960 : Sample Sector, Summary Results
- 97 Tables with Notes on Capital Formation (Fifteenth Round—Rural : July 1959-June 1960)
- 98 Tables with Notes on Consumer Expenditure (Preliminary) (Fifteenth Round : July 1959-June 1960)
- 99 Tables with Notes on Household Non-Registered Trade (Fifteenth Round : July 1959-June 1960)
- 100 Tables with Notes on Rural Employment and Unemployment (Fourteenth Round : July 1958-June 1959)
- 101 Tables with Notes on Consumer Expenditure (Preliminary) (Sixteenth Round : July 1960-June 1961)
- 102 Tables with Notes on Consumer Expenditure (Fourteenth Round : July 1958-June 1959)
- 103 Tables with Notes on Urban Labour Force (Sixteenth Round : July 1960-June 1961)
- 104 Tables with Notes on Consumer Expenditure (Fifteenth Round : July 1959-June 1960)
- 105 Tables with Notes on Household Non-Mechanised Transport and Utilisation of Working Animals (Fifteenth Round : July 1959-June 1960)
- 106 Tables with Notes on Land Utilisation Survey and Crop-cutting Experiments (Seventeenth Round : July 1961-June 1962)
- 107 Tables with Notes on Consumer Expenditure (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 108 Report on the Type Study on Consumption and Disposal of Cereals and Capital Formation by Households : 1959-60
- 109 Tables with Notes on Indian Villages (Fourteenth Round : July 1958-June 1959)
- 110 Tables with Notes on Rates of Birth, Death and Growth of Rural Population (Fifteenth Round : July 1959-June 1960)
- 111 Tables with Notes on Sample Survey of Manufacturing Industries, 1958 : Factory Establishments : Detailed Result
- 112 Tables with Notes on Land Utilisation Survey and Crop-Cutting Experiments (Eighteenth Round : July 1962-June 1963)
- 113 Tables with Notes on Agricultural Holdings in Rural India (Sixteenth Round : July 1960-June 1961)
- 114 Tables with Notes on Employment and Unemployment in rural areas (Sixteenth Round : July 1960-June 1961)
- 115 Tables with Notes on Disposal of Cereals by Producer Households in Rural areas (Fifteenth round : July 1959-June 1960)
- 116 Tables with Notes on Family Planning (Sixteenth Round : July 1960-June 1961)
- 117 Tables with Notes on the Enquiry of Physically Handicapped Persons (Sixteenth Round : July 1960-August 1961)
- 118 Tables with Notes on the Annual Survey of Industries, 1961 : Sample Sector, Summary Results
- 119 Special study on Morbidity (Sixteenth Round : Nov. 1960-Oct. 1961)
- 120 Tables with Notes on the Annual Survey of Industries 1962—Sample Sector, Summary Results
- 121 Preliminary Estimates of Birth and Death Rates and of the Rates of Growth of Population (Eighteenth Round : Feb 1963-Jan. 1964)
- 122 Tables with Notes of the Annual Survey of Industries, 1959 : Sample Sector (Detailed Results)
- 123 Tables with Notes on the Annual Survey of Industries, 1963—Sample Sector (Summary Results)
- 124 Some Results of the Land Utilisations Survey and Crop-cutting Experiments (Eighteenth Round : July 1963-June 1964)
- 125 Technical Paper on Sample Design (Nineteenth Round : July 1964-June 1965)
- 126 Tables with Notes on Internal Migration (Fourteenth Round : July 1958-June 1959 & Fifteenth Round : July 1959-June 1960)
- 127 Tables with Notes on Urban Labour Force (Seventeenth Round : September 1961-July 1962)
- 128 Tables with Notes on Internal Migration (Rural) (Fourteenth Round : July 1958-June 1959)
- 129 Report on Pilot Enquiry on Morbidity (Seventeenth Round : September 1961-July 1962)
- 130 Tables with Notes on Professions and Liberal Arts (Eighteenth Round : February 1963-January 1964)
- 131 Tables with Notes on the Annual Survey of Industries, 1960 : Sample Sector (Detailed Results)
- 132 Tables with Notes on the Annual Survey of Industries, 1964 : Sample Sector (Summary Results)
- 133 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Nineteenth Round : July 1964-July 1965)
- 134 Tables with Notes on Income of Rural Labour Households (Eighteenth Round : February 1963-January 1964)
- 135 Tables with Notes on Consumer Expenditure (Preliminary) (Seventeenth Round : September 1961-July 1962)
- 136 Tables with Notes on Capital Formation (Urban) (Seventeenth Round : September 1961-July 1962)
- 137 Tables with Notes on Housing Condition (Sixteenth Round : July 1960-August 1961)
- 138 Tables with Notes on Consumer Expenditure (Sixteenth Round : July 1960-August 1961)
- 139 Tables with Notes on the Annual Survey of Industries, 1961, Sample Sector (Detailed Results)
- 140 Tables with Notes on some aspects of Agriculture in India (Rural) (Eleventh Round : August 1956-February 1957)
- 141 Tables with Notes on Household Consumption of Fuel and Light (Eighteenth Round : February 1963-January 1964)
- 42 Tables with Notes on Consumer Expenditure (Preliminary) Eighteenth Round : February 1963-January 1964

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

Sl. No.

- 143 Tables with Notes on Indebtedness of Scheduled Tribe Households (Eighteenth Round : February 1963-January 1964)
- 144 Tables with Notes on some Aspects of Land Holdings in Rural Areas (State and All-India Estimates) (Seventeenth Round : September 1961-July 1962)
- 145 Tables with Notes on Income of Scheduled Tribes Households (Eighteenth Round : February 1963-January 1964)
- 146 Tables with Notes on Housing Condition (Fifteenth Round : July 1959-June 1960)
- 147 Some Results of the Land Utilisation Survey and Crop-Cutting Experiments (Twentieth Round : July 1965-June 1966)
- 148 Report on Special Survey on Household Entrepreneurial Activities Aligarh Town, 1959-60
- 149 Report on Pilot Study on Non-Household Enterprises (Nineteenth Round : February 1965-June 1965)
- 150 Tables with Notes on Housing Condition (Seventeenth Round : September 1961-July 1962)
- 151 Tables with Notes on Consumer Expenditure (Some Selected Items) (Eighteenth Round : February 1963-June 1964)
- 152 Tables with Notes on Urban Labour Force (Eighteenth Round : February 1963-January 1964)
- 153* Differential Birth, Death and Infant Mortality Rates in Rural Households (Fifteenth Round : July 1959-June 1960)
- 154* Tables with Notes on Couple (Seventeenth Round : September 1961-July 1962)
- 155* Tables with Notes on Consumer Expenditure (Some selected Items) (Eighteenth Round : February 1963-January 1964)
- 156* Tables with Notes on Rural Employment and Unemployment (Fifteenth Round : July 1959-June 1960)
- 157* Tables with Notes on Urban Employment and Unemployment (Fifteenth Round : July 1959-June 1960)
- 158* Tables with Notes on Consumer Expenditure of Scheduled Tribe Households (Eighteenth Round : February 1963-May 1964)
- 159* Tables with notes on some Aspects of Land Holdings in Rural India (Sixteenth Round : July 1960-June 1961)
- 160* Some Results on the Land Utilisation Survey and Crop-cutting Experiments, (Twenty-first) Round : July 1966-June 1967)
- 161* Tables with notes on the Annual Survey of Industries—1965, sample sector : Summary Results.
- 162* Tables with Notes on Some Features of Land Holding in Rural India (Seventeenth Round : September 1961-July 1962)
- 163* Tables with Notes on Urban Labour Force (Nineteenth Round : July 1964-June—1965)
- 164* Tables with Notes on the Annual Survey of Industries, 1962—Sample Sector, Detailed Result
- 165* Tables with Notes on the Some Aspects of Land Holdings in Urban Areas (Seventeenth Round : September 1961-July 1962)
- 166* Tables with Notes on Urban Labour Force (Twentieth Round : July 1965-June 1966)
- 167* Tables with Notes on Villages and Towns in India (Nineteenth Round : July 1964-June 1965)
- 168* Tables with Notes on the Annual Survey of Industries, 1963—Sample Sector, Detailed Results
- 169* Tables with Notes on Housing Condition of Scheduled Tribes Households (Eighteenth Round : June 1963-May 1964)
- 170* Tables with Notes on Housing Condition (Eighteenth Round : February 1963-January 1964)
- 171 Some Result Relating to Construction of Pucca Houses in Rural and Urban Areas (Twentysecond Round : July 1967-June 1968)

Note—Report Nos. marked* are under print.