

## APPENDIX I

### SAMPLING DESIGN

The rural estimates are based on stratified three-stage sampling (by tehsil, village and household). The sampling design for the rural sector was as follows. The country was first divided into 'natural divisions' as defined by the Registrar General, Ministry of Home Affairs, Government of India. Total consumer expenditure for each natural division was calculated on the basis of results of the first round of the National Sample Survey. Allocation of the number of first stage units (tehsils) to be sampled from the different natural divisions was made proportional to total expenditure. Within a natural division, tehsils were stratified according to population density. The limits of these strata within a natural division were so adjusted that for each stratum the value of total consumer expenditure was approximately equal. The number of strata in a natural division was equal to half the number of tehsils allotted; from each stratum two sample tehsils were selected. Within each tehsil two sample villages were similarly selected, and within each village, a pre-assigned fraction of households was selected at random. As each natural division formed a primary strata in the rural sector and as a group of natural divisions form a State, it was possible to build up unbiased estimates of total and per capita consumer expenditures for individual Part A and Part B States.

2. The details of the sample design for the urban sector are as follows. All towns were arranged in three population size-groups and 49 towns were selected. In addition, the four large cities of Bombay, Calcutta, Delhi and Madras were included. Each selected town and city was then divided into blocks corresponding to the 1951 Census enumeration blocks and a number of these were selected. A fixed fraction of households was then selected from each block at random. On this basis, urban estimates are available for all-India in respect of each of the three town types, for the cities and for the entire urban sector.

3. According to the Indian Statistical Institute, all the selected first stage units (*viz.*, tehsils) in the rural sector were surveyed in all States except in Travancore-Cochin and Madras where 17 out of 18 and 49 out of 50 sample tehsils, respectively, were surveyed. The response of the second stage unit (villages) was also very high, the failure being 17 per cent. in Travancore-Cochin, less than 6 per cent. in three States and nil in other States. The response of the third stage unit (the household) was similarly quite satisfactory, the failure being 18 per cent. in Travancore-Cochin and less than 8 per cent. in other States. In the urban sector, the selected first and second stage units (*viz.*, towns and blocks) have been completely surveyed and the response of the third stage units (household) was also very high the failure being less than 3 per cent., except in Madras where it was 12 per cent.

*Per capita consumer expenditure in rupees for a period of 30 days and the estimated standard errors*

A.—RURAL AREA, BY STATES

State	Number of Sample Units			Household size	Per capita consumer expenditure (in Rs.)	Standard error (±) (in Rs.)*	Standard error per cent.
	Tehsils	Villages	Households				
1	2	3	4	5	6	7	8
<i>Part A States</i>							
Assam . . .	12	24	218	5.44	24.12	±2.39	9.92
Bihar . . .	60	120	1078	5.39	23.75	±2.08	8.74
Bombay . . .	52	104	1039	5.23	18.85	±0.41	2.18
Madhya Pradesh	30	60	562	4.44	16.23	±0.80	4.94
Madras . . .	49	94	980	4.78	18.21	±0.02	0.11
Orissa . . .	16	32	341	4.47	14.86	±1.59	10.73
Punjab . . .	18	36	309	5.43	30.72	±0.69	2.25
Uttar Pradesh	74	148	1407	5.17	23.04	±0.43	1.87
West Bengal . .	36	72	533	5.01	27.09	±0.27	1.00
<i>Part B States</i>							
Hyderabad . . .	28	56	470	4.49	15.10	±0.38	2.50
Madhya Bharat	10	20	149	5.07	19.79	±3.02	15.25
Mysore . . .	13	25	215	5.14	19.76	±0.47	2.40
PEPSU . . .	6	12	82	4.76	35.14	±7.26	20.67
Rajasthan . . .	30	60	502	5.47	22.52	±1.59	7.05
Saurashtra . . .	10	20	136	5.92	19.95	±1.62	8.11
Travancore-Cochin	17	30	262	5.40	18.48	±0.83	4.50
<i>All India</i>	478	946	8545	5.01	21.13	±0.29	1.38

B.—ALL INDIA RURAL, BY EXPENDITURE LEVEL

Expenditure levels in Rs.	No. of households	Household size	Per capita consumer expenditure (in Rs.)	Standard error (±) (in Rs.)*	Standard error per cent.
I—50 . . . . .	2357	3.18	10.28	±0.40	3.88
51—100 . . . . .	2895	4.63	15.72	±0.20	1.26
101—150 . . . . .	1570	5.66	21.44	±0.13	0.60
151—300 . . . . .	1316	7.21	27.81	±0.39	1.41
Over 300 . . . . .	407	9.99	46.23	±1.37	2.97
All expenditure levels . . . . .	8545	5.01	21.13	±0.29	1.38

\*Excludes unspecified rent and taxes.

## C.—URBAN AREA, BY TOWN GROUPS

Towns and cities with range of population	Number of Sample Units			House- hold size	Per capita consumer expenditure (in Rs.)	Standard error (±) (in Rs.)*	Standard error per cent.
	Towns and cities	Blocks	House- holds				
1	2	3	4	5	6	7	8
Towns with population below 15,000 . . . . .	19	76	748	4.70	20.92	±2.84	13.57
Towns with population from 15,001 to 50,000 . . . . .	15	90	1003	4.35	28.16	±0.72	2.55
Towns and cities with population from 50,001 to 10,00,000 . . . . .	15	150	1441	4.89	30.39	±1.02	3.36
Cities with population above 10,00,000 :							
Bombay . . . . .	1	26	157	4.62	57.12	±10.59	18.54
Calcutta . . . . .	1	28	210	3.37	37.18	±0.68	1.82
Delhi . . . . .	1	18	158	4.74	39.44	±3.14	7.97
Madras . . . . .	1	19	170	5.42	30.62	±5.43	17.74
All India (urban) . . . . .	53	406	3887	4.63	28.91	±0.62	2.13
All India (rural) . . . . .	..	..	8545	5.01	21.13	±0.29	1.38
All India (rural and urban)	..	..	12432	4.95	22.40	±0.16	0.70

## D.—ALL INDIA, URBAN, BY EXPENDITURE LEVEL

Expenditure level in Rs.	No. of house- holds	House- hold size	Per capita consumer expenditure (in Rs.)	Standard error (±) (in Rs.)*	Standard error per cent.
1—50 . . . . .	763	2.48	14.31	±0.77	5.38
51—100 . . . . .	1241	3.95	18.08	±0.38	2.10
101—150 . . . . .	731	4.98	23.84	±1.00	4.20
151—300 . . . . .	770	6.26	31.93	±2.05	6.43
Over 300 . . . . .	382	8.20	59.01	±2.92	4.95
All expenditure levels . . . . .	3887	4.63	28.91	±0.62	2.13

\*Excludes unspecified rent and taxes. All-India figures include those for Part C States.