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Note on Sample Design and Estimation Procedure

NSS 66th ROUND
(July 2009 – June 2010)



Government of India

Ministry of Statistics and Programme Implementation
National Sample Survey Organisation
Survey Design and Research Division
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Note on Sample Design and Estimation Procedure of NSS 66th Round

1. Introduction

1.1 The National Sample Survey (NSS), set up by the Government of India in 1950 to collect socio-economic data employing scientific sampling methods, started its sixty-sixth round from 1st July 2009. The survey will continue up to 30th June 2010.

2. Outline of Survey Programme

2.1 **Subject Coverage:** The 66th round (July 2009-June 2010) of NSS is earmarked for survey on 'Household Consumer Expenditure' and 'Employment and Unemployment'. The survey on 'household consumer expenditure' and 'employment and unemployment' is the eighth quinquennial survey in the series, the last one being conducted in the 61st round (2004-2005) of NSS.

2.2 **Geographical coverage:** The survey covers the whole of the Indian Union *except* (i) interior villages of Nagaland situated beyond five kilometres of the bus route and (ii) villages in Andaman and Nicobar Islands which remain inaccessible throughout the year.

For Leh (Ladakh) and Kargil districts of Jammu & Kashmir there is no separate sample first-stage units (FSUs) for 'central sample'. For these two districts, sample FSUs drawn as 'state sample' will also be treated as central sample. The state directorate of economics and statistics (DES) will provide a copy of the filled-in schedules to Data Processing Division of NSSO for processing.

2.3 **Period of survey and work programme:** The period of survey is of one year duration starting on 1st July 2009 and ending on 30th June 2010. The survey period of this round is divided into four sub-rounds of three months' duration each as follows:

- sub-round 1 : July - September 2009
- sub-round 2 : October - December 2009
- sub-round 3 : January - March 2010
- sub-round 4 : April - June 2010

In each of these four sub-rounds equal number of sample villages/ blocks (FSUs) has been allotted for survey with a view to ensuring uniform spread of sample FSUs over the entire survey period. Attempt will be made to survey each of the FSUs during the sub-round to which it is allotted. *Because of the arduous field conditions, this restriction need not be strictly enforced in Andaman and Nicobar Islands, Lakshadweep and rural areas of Arunachal Pradesh and Nagaland.*

2.4 Schedules of enquiry: During this round, the following schedules of enquiry are being canvassed:

Schedule 0.0	: list of households
Schedule 1.0	: consumer expenditure
Schedule 10	: employment and unemployment

Two types of Schedule 1.0 viz. Schedule Type 1 and Schedule Type 2 are being canvassed in this round. Schedule Type 1 is similar to Schedule 1.0 of NSS 61st round. Schedule Type 2 has different reference period (7 days) for some items of food, pan, tobacco and intoxicants as compared to 30 days' reference period for these items in Schedule Type 1.

2.5 Participation of States: In this round all the States and Union Territories except Andaman & Nicobar Islands, Chandigarh, Dadra & Nagar Haveli and Lakshadweep are participating. The following is the matching pattern of the participating States/ UTs.

Nagaland (Urban)	: triple
J & K , Manipur, Delhi & Uttar Pradesh	: double
Maharashtra (Urban) & Kerala	: one and half
Gujarat	: less than equal
Remaining States/ UTs	: equal

3. Sample Design

3.1 Outline of sample design: A stratified multi-stage design has been adopted for the 66th round survey. The first stage units (FSU) are the 2001 census villages (Panchayat wards in case of Kerala) in the rural sector and Urban Frame Survey (UFS) blocks in the urban sector. In addition, two non-UFS towns of Leh and Kargil of Jammu & Kashmir are also treated as FSUs in the urban sector. The ultimate stage units (USU) are households in both the sectors. In case of large FSUs, one intermediate stage of sampling is the selection of two hamlet-groups (hgs)/ sub-blocks (sbs) from each rural/ urban FSU.

3.2 Sampling Frame for First Stage Units: *For the rural sector*, the list of 2001 census villages (henceforth the term 'village' would mean Panchayat wards for Kerala) constitutes the sampling frame. *For the urban sector*, the list of latest available UFS blocks is considered as the sampling frame. For non-UFS towns, frame consists of the individual towns (only two towns, viz., Leh & Kargil constitute this frame).

3.3 Stratification: Within each district of a State/ UT, generally speaking, two basic strata have been formed: i) rural stratum comprising of all rural areas of the district and (ii) urban stratum comprising of all the urban areas of the district. However, within the urban areas of a district, wherever there are one or more towns with population 10 lakhs or more as per population census 2001 in a district, each of them forms a separate basic stratum and the remaining urban areas of the district are considered as another basic stratum.

3.4 Sub-stratification: There is no sub-stratification in the urban sector. However, to net adequate number of child workers, for all rural strata, each stratum has been divided into 2 sub-strata as follows:

sub-stratum 1: all villages with proportion of child workers (p) $> 2P$ (where P is the average proportion of child workers for the state/ UT as per Census 2001)

sub-stratum 2: remaining villages

3.5 Total sample size (FSUs): 12784 FSUs for central sample and 15132 FSUs for state sample have been allocated at all-India level. Further, data of 24 state sample FSUs of Leh and Kargil districts of J & K surveyed by DES, J & K will be included in the central sample

3.6 Allocation of total sample to States and UTs: The total number of sample FSUs is allocated to the States and UTs in proportion to population as per census 2001 subject to a minimum sample allocation to each State/ UT. While doing so, the resource availability in terms of number of field investigators has been kept in view.

3.7 Allocation of State/ UT level sample to rural and urban sectors: State/ UT level sample size is allocated between two sectors in proportion to population as per *census 2001* with double weightage to urban sector subject to the restriction that urban sample size for bigger states like Maharashtra, Tamil Nadu etc. should not exceed the rural sample size. A minimum of 16 FSUs (to the extent possible) is allocated to each state/ UT separately for rural and urban areas. Further the State level allocations for both rural and urban have been adjusted marginally in a few cases to ensure that each stratum/ sub-stratum gets a minimum allocation of 4 FSUs.

3.8 Allocation to strata/ sub-strata: Within each sector of a State/ UT, the respective sample size is allocated to the different strata/ sub-strata in proportion to the population as per census 2001. Allocations at stratum/ sub-stratum level are adjusted to multiples of 4 with a minimum sample size of 4 and equal number of samples has been allocated among the four sub rounds.

3.9 Selection of FSUs: For the rural sector, from each stratum/ sub-stratum, required number of sample villages has been selected by probability proportional to size with replacement (PPSWR), size being the population of the village as per Census 2001. For urban sector, from each stratum FSUs have been selected by using Simple Random Sampling Without Replacement (SRSWOR). Both rural and urban samples have been drawn in the form of two independent sub-samples.

3.10 Formation and selection of hamlet-groups/ sub-blocks

3.10.1 Criterion for hamlet-group/ sub-block formation: Selected FSUs with approximate population 1200 or more are divided into a suitable number (say, D) of 'hamlet-groups' in the rural sector and 'sub-blocks' in the urban sector as stated below.

approximate present population of the sample FSU	no. of hgs/sbs to be formed
less than 1200 (no hamlet-groups/sub-blocks)	1
1200 to 1799	3
1800 to 2399	4
2400 to 2999	5
3000 to 3599	6
.....and so on	

For rural areas of Himachal Pradesh, Sikkim, Uttarakhand (except four districts Dehradun (Plains), Nainital (Plains), Hardwar and Udham Singh Nagar), Poonch, Rajouri, Udhampur, Doda, Leh (Ladakh), Kargil districts of Jammu and Kashmir and Idukki district of Kerala, the number of hamlet-groups are formed as follows:

approximate present population of the sample village	no. of hgs to be formed
less than 600 (no hamlet-groups)	1
600 to 899	3
900 to 1199	4
1200 to 1499	5
.....and so on	

In case hamlet-groups/ sub-blocks are to be formed in the sample FSU, the same is done by more or less equalizing population.

3.10.2 Selection of hamlet-groups/ sub-blocks: Two hamlet-groups (hg)/ sub-blocks (sb) are selected from a large FSU wherever hamlet-groups/ sub-blocks are formed in the following manner – one hg/ sb with maximum percentage share of population is always selected and termed as hg/ sb 1; one more hg/ sb is selected from the remaining hg's/ sb's by simple random sampling (SRS) and termed as hg/ sb 2. Listing and selection of the households is done independently in the two selected hamlet-groups/ sub-blocks. The FSUs without hg/ sb formation are treated as sample hg/ sb number 1.

4. Listing of households: Having determined the hamlet-groups/ sub-blocks, i.e. area(s) to be considered for listing, the next step is to list all the households (including those found to be temporarily locked after ascertaining the temporariness of locking of households through local enquiry). The hamlet-group/ sub-block with sample hg/ sb number 1 is considered for listing first, to be followed by the listing of households within the sample hg/ sb number 2.

5. Formation of second stage strata and allocation of households

5.1 Two cut-off points 'A' and 'B' (in Rs.) have been determined from NSS 61st round data for **each NSS region** for urban areas in such a way that top 10% of the population have MPCE more than 'B' and bottom 30% of the population have MPCE less than A.

5.2: For both Schedule 1.0 and Schedule 10, households listed in the selected FSU/ hamlet-group/ sub-block are stratified into three second stage strata (SSS). Composition of the SSS and number of households to be surveyed from different SSS for each of the three schedules of enquiry namely, Schedule 1.0 (Type 1), Schedule 1.0 (Type 2) and Schedule 10 are as follows:

SSS	composition of SSS	number of households to be surveyed	
		FSU without hg/sb formation	FSU with hg/sb formation (for each hg/sb)
Rural			
SSS 1:	relatively affluent households	2	1
SSS 2:	of the remaining, households having principal earning from non- agricultural activity	4	2
SSS 3:	other households	2	1
Urban			
SSS 1:	households having MPCE of top 10% of urban population (MPCE > B)	2	1
SSS 2:	households having MPCE of middle 60% of urban population ($A \leq MPCE \leq B$)	4	2
SSS 3:	households having MPCE of bottom 30% of urban population (MPCE < A)	2	1

6. Selection of households: From each SSS the sample households for each of the schedules are selected by SRSWOR. If a household is selected for more than one schedule, only one schedule is canvassed in that household in the priority order of Schedule 1.0 (Type 1), Schedule 1.0 (Type 2) and Schedule 10 and in that case the household would be replaced for the other schedule. If a household is selected for Schedule 1.0 (Type 1) it is not selected for Schedule 1.0 (Type 2) or Schedule 10. Similarly, if a household is not selected for Schedule 1.0 (Type 1) but selected for Schedule 1.0 (Type 2) it is not selected for Schedule 10.

However, at least one household is to be surveyed from each SSS for each of the three schedules of enquiry. To adhere to this restriction, the condition of not canvassing more than one schedule in the same household is waived in the extreme cases where there may be insufficient number of households in the frame of a particular second stage stratum.

7. Estimation Procedure

7.1 Notations:

s = subscript for s-th stratum

t = subscript for t-th sub-stratum (only for rural sector)

m = subscript for sub-sample (m = 1, 2)

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

d = subscript for a hamlet-group/ sub-block (d = 1, 2)

j = subscript for j-th second stage stratum in an FSU/ hg/sb [j = 1, 2 or 3]

k = subscript for k-th sample household under a particular second stage stratum within an FSU/ hg/sb

D = total number of hg's/ sb's formed in the sample FSU

D* = 0 if D = 1

= (D - 1) for FSUs with D > 1

N = total number of FSUs in any urban stratum

Z = total size of a rural stratum/sub-stratum (= sum of sizes for all the FSUs of a stratum/sub-stratum)

z = size of sample village used for selection.

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

H = total number of households listed in a second-stage stratum of an FSU / hamlet-group or sub-block of sample FSU

h = number of households surveyed in a second-stage stratum of an FSU / hamlet-group or sub-block of sample FSU

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

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

Under the above symbols,

$y_{stmidjk}$ = observed value of the characteristic y for the k-th household in the j-th second stage stratum of the d-th hg/ sb (d = 1, 2) of the i-th FSU belonging to the m-th sub-sample for the t-th sub-stratum of s-th stratum.

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

7.2 Formulae for Estimation of Aggregates for a particular sub-sample and stratum (for urban) / sub-stratum (for rural):

7.2.1 Schedule 0.0:

7.2.1.1 Rural:

- (i) For estimating the number of households in a stratum/sub-stratum possessing a characteristic:

$$\hat{Y} = \frac{Z}{n} \sum_{i=1}^n \frac{1}{z_i} [y_{i1} + D_i^* \times y_{i2}]$$

where y_{i1} , y_{i2} are the total number of households possessing the characteristic y in hg's 1 & 2 of the i -th FSU respectively.

- (ii) For estimating the number of villages in a stratum possessing a characteristic:

$$\hat{Y} = \frac{Z}{n} \sum_{i=1}^n \frac{1}{z_i} y_i$$

where y_i is taken as 1 for sample villages possessing the characteristic and 0 otherwise.

7.2.1.2 Urban:

- (i) For estimating the number of households in a stratum possessing a characteristic:

$$\hat{Y} = \frac{N}{n} \sum_{i=1}^n [y_{i1} + D_i^* \times y_{i2}]$$

where y_{i1} and y_{i2} are the total number of households possessing the characteristic y belonging to sub-blocks 1 and 2 respectively, of the i -th FSU.

Note: There are only one FSU each in the districts Leh (Leh town) and Kargil (Kargil town) of J & K. Both of these have been selected and repeated in each of the sub-rounds. Thus, in this case, $N = 1$ in the above formula and n will be the number of FSUs actually surveyed including repetitions ($n = 4$ for the whole round and $n = 2$ for a sub-sample of the whole round assuming no casualty) for each of the two districts.

7.2.2 Schedules 1.0 (Type 1) / 1.0 (Type 2) / 10:

7.2.2.1 Rural:

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

$$\hat{Y}_j = \frac{Z}{n_j} \sum_{i=1}^{n_j} \frac{1}{z_i} \left[\frac{H_{i1j}}{h_{i1j}} \sum_{k=1}^{h_{i1j}} y_{i1jk} + D_i^* \times \frac{H_{i2j}}{h_{i2j}} \sum_{k=1}^{h_{i2j}} y_{i2jk} \right]$$

(ii) For all second-stage strata combined:

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

(iii) Estimate for a stratum (\hat{Y}_s) will be obtained by adding sub-stratum level estimates (\hat{Y}_{st}).

7.2.2.2 Urban:

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

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} \left[\frac{H_{i1j}}{h_{i1j}} \sum_{k=1}^{h_{i1j}} y_{i1jk} + D_i^* \times \frac{H_{i2j}}{h_{i2j}} \sum_{k=1}^{h_{i2j}} y_{i2jk} \right]$$

(ii) For all second-stage strata combined:

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

Note: As mentioned earlier in section 7.2.1.2, $N = 1$ in the above formula in the case of Leh and Kargil districts of J & K.

7.3 Overall Estimate for Aggregates:

Overall estimate for aggregates for a stratum (\hat{Y}_s) based on two sub-samples is obtained as:

$$\hat{Y}_s = \frac{1}{2} \sum_{m=1}^2 \hat{Y}_{sm}$$

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

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

7.5 Estimates of Ratios:

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

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

$$\hat{R} = \frac{\hat{Y}}{\hat{X}}.$$

7.6 Estimates of Error: The estimated variances of the above estimates will be as follows:

7.6.1 For aggregate \hat{Y} :

$Var(\hat{Y}) = \sum_s Var(\hat{Y}_s)$ where $Var(\hat{Y}_s)$ is given by

$Var(\hat{Y}_s) = \sum_t \frac{1}{4} (\hat{Y}_{st1} - \hat{Y}_{st2})^2$ for rural stratum, where \hat{Y}_{st1} and \hat{Y}_{st2} are the estimates for sub-sample 1 and sub-sample 2 respectively for stratum 's' and sub-stratum 't'.

and

$Var(\hat{Y}_s) = \frac{1}{4} (\hat{Y}_{s1} - \hat{Y}_{s2})^2$ for urban stratum, \hat{Y}_{s1} and \hat{Y}_{s2} being the stratum estimates for sub-sample 1 and 2 respectively.

7.6.2 For ratio \hat{R} :

$$M\hat{S}E(\hat{R}) = \frac{1}{4\hat{X}^2} \sum_s \sum_t \left[(\hat{Y}_{st1} - \hat{Y}_{st2})^2 + \hat{R}^2 (\hat{X}_{st1} - \hat{X}_{st2})^2 - 2\hat{R} (\hat{Y}_{st1} - \hat{Y}_{st2}) (\hat{X}_{st1} - \hat{X}_{st2}) \right]$$

for rural and

$$M\hat{S}E(\hat{R}) = \frac{1}{4\hat{X}^2} \sum_s \left[(\hat{Y}_{s1} - \hat{Y}_{s2})^2 + \hat{R}^2 (\hat{X}_{s1} - \hat{X}_{s2})^2 - 2\hat{R} (\hat{Y}_{s1} - \hat{Y}_{s2}) (\hat{X}_{s1} - \hat{X}_{s2}) \right]$$

for urban.

7.6.3 Estimates of Relative Standard Error (RSE):

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

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

8. Multipliers:

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

sch type	sector	formula for multipliers	
		hg / sb 1	hg / sb 2
0.0	rural	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{smi}}$	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{smi}} \times D_{smi}^*$
	Urban	$\frac{N_s}{n_{sm}}$	$\frac{N_s}{n_{sm}} D_{smi}^*$
1.0 (Type 1)/ 1.0 (Type 2)/ 10	rural	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{smi}} \times \frac{H_{smi1j}}{h_{smi1j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{smi}} \times D_{smi}^* \times \frac{H_{smi2j}}{h_{smi2j}}$
	Urban	$\frac{N_s}{n_{smj}} \times \frac{H_{smi1j}}{h_{smi1j}}$,	$\frac{N_s}{n_{smj}} \times D_{smi}^* \times \frac{H_{smi2j}}{h_{smi2j}}$,
	(j = 1, 2, 3)		

- Note: (i) For estimating any characteristic for any domain not specifically considered in sample design, indicator variable may be used.
(ii) Multipliers have to be computed on the basis of information available in the listing schedule irrespective of any misclassification observed between the listing schedule and detailed enquiry schedule.
(iii) For estimating number of villages possessing a characteristic, $D_{smi}^* = 0$ in the relevant multipliers and there will be only one multiplier for the village (see paragraph 7.2.1.1 in this context).

9. Treatment for zero cases, casualty cases etc.:

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9.1 While counting the number of FSUs surveyed (n_{sm} or n_{stm}) in a stratum/sub-stratum, all the FSUs with survey codes 1 to 6 in schedule 0.0 will be considered. In addition, if no SSU is available in the frame for a particular schedule then also that FSU will be treated as surveyed in respect of that schedule. However, if the SSUs of a particular schedule type are available in the frame of the FSU but none of these could be surveyed then that FSU has to be treated as casualty and it will not be treated as surveyed in respect of that schedule.

9.2 *Casualty cases*: FSUs with survey code 7 as per schedule 0.0 are treated as casualties. In addition to this, an FSU, although surveyed, may have to be treated as casualty for a particular schedule type and a particular *second stage stratum* as given in the following para:

9.2.1 FSUs with survey codes 1 or 4 as per schedule 0.0 having number of households in the frame of j-th second stage stratum greater than 0 but number of households surveyed according to data file, considering both hg/sb together, as nil (i.e. $H_{i1j} + H_{i2j} > 0$ but $h_{i1j} + h_{i2j} = 0$) will be taken as casualties for j-th second stage stratum.

All the FSUs with survey codes 1 to 6 as per schedule 0.0 minus the number of casualties as identified above will be taken as the number of surveyed FSUs (n_{smj}) for that (stratum/sub-stratum) \times (second stage stratum).

When casualty for j-th second stage stratum occurs for a particular hg/sb but not for the other hg/sb, the FSU will not be treated as casualty but some adjustments in the value of H for the other hg/sb will be done as follows:

- (i) Suppose for hg/sb 1, $H_{i1j} > 0$ but $h_{i1j} = 0$ while for hg/sb 2, $H_{i2j} > 0$ and $h_{i2j} > 0$. In that case $D_i^* \times H_{i2j}$ will be replaced by $(H_{i1j} + D_i^* \times H_{i2j})$ in the formula for multiplier of hg/sb 2.
- (ii) Suppose for hg/sb 1, $H_{i1j} > 0$ and $h_{i1j} > 0$ while for hg/sb 2, $H_{i2j} > 0$ but $h_{i2j} = 0$. In that case H_{i1j} will be replaced by $(H_{i1j} + D_i^* \times H_{i2j})$ in the formula for multiplier of hg/sb 1.

It may be noted that n_{smj} or n_{stmj} would be same for hg/sb 1 & 2 of an FSU.

10. Treatment in cases of void second-stage strata/sub-strata /strata/NSS region at FSU or household level

10.1 A stratum/sub-stratum may be void because of the casualty of all the FSUs belonging to the stratum/sub-stratum. This may occur in one sub-sample or in both the sub-samples. If it relates to only one sub-sample, then estimate for the void stratum/sub-stratum may be replaced with the estimate as obtained from the other sub-sample for the same stratum/sub-stratum.

10.2 When a stratum/sub-stratum is void in both the sub-samples, the following procedure is recommended:

Case(I): Stratum/Sub-stratum void cases at FSU levels (i.e. all FSUs having survey code 7):

- (i) If an rural sub-stratum is void then it may be merged with the other sub-stratum of the stratum.
- (ii) If a rural/urban stratum (district) is void due to all FSUs being casualty, it may be excluded from the coverage of the survey. The state level estimates will be based on the estimates of districts for which estimates are available and remarks to that effect may be added in appropriate places.

Case (II): Stratum/Sub-stratum void case at second stage stratum level (i.e. all the FSUs are casualties for a particular second stage stratum):

An FSU may be a casualty for a particular *second stage stratum* although survey code is not 7. If all the FSUs of a stratum/sub-stratum become casualties in this manner for a particular *second stage stratum*, the stratum/sub-stratum will become void. In such cases, sub-strata will be merged with other sub-strata for all the second stage strata as in *Case (I) above*.

However, if whole district/stratum becomes void in this manner for a particular second stage stratum, adjustment for this type of stratum void case may be done according to the following guidelines.

The adjustment will be made involving other strata/sub-strata (within NSS region) of the State/U.T. Suppose A, B, C and D are the four strata in the State/UT/Region and stratum C is void for j-th *second stage stratum*. If \hat{Y}_{aj} , \hat{Y}_{bj} and \hat{Y}_{dj} are the aggregate estimates for the strata/sub-strata A, B and D respectively, then the estimate \hat{Y}_{cj} for stratum/sub-stratum C may be obtained as $\left(\frac{\hat{Y}_{aj} + \hat{Y}_{bj} + \hat{Y}_{dj}}{Z_a + Z_b + Z_d} \times Z_c \right)$ where Z_a , Z_b , Z_c and Z_d are the sizes of strata A, B, C and D respectively.

11. **Reference to the values of Z_{st} , N_s , n_{st} , n_s , z_{sti} , D_{sti} , D^*_{sti} , D_{si} , D^*_{si} , H_{sti1j} , h_{sti1j} , H_{sti2j} , h_{sti2j} :**

- (a) Values of Z_{st} , N_s and allotted n_{st} or n_s for the whole round are given in appendix Table 2 for rural sector and in Table 3 for urban sector.
- (b) n_{st} or n_s should not be taken from the tables. The values of n_{stm} or n_{sm} for each sub-sample are to be obtained following the guidelines given in para 9 above. It includes uninhibited and zero cases but excludes casualty cases.
- (c) The value of z_{sti} for the samples selected by PPS is to be taken from the column of sample list under the heading “frame population” for rural samples. Value of D_{sti} or D_{si} is to be taken from item 16 of block 1, sch 0.0. D^*_{sti} or D^*_{si} is to be calculated from the value of D_{sti} or D_{si} .
- (d) Values of H_{sti1j}/H_{si1j} , H_{sti2j}/H_{si2j} are to be taken from col.(7), block 6 of sch 0.0 for respective hg/sb.

- (e) The value of $\mathbf{h}_{sti1j} / \mathbf{h}_{si1j}$ and $\mathbf{h}_{sti2j} / \mathbf{h}_{si2j}$ should not be taken from col (11), block 6 of sch.0.0. The figures should be obtained by counting the number of households in the data file excluding the casualty households.

APPENDICES

Table 1: Distribution of sample villages and blocks

State/UT		number of sample villages/blocks					
		central sample			state sample		
code	name	total	rural	urban	total	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
01	JAMMU & KASHMIR	456*	276*	180*	864	520	344
02	HIMACHAL PRADESH	256	208	48	256	208	48
03	PUNJAB	392	196	196	392	196	196
04	CHANDIGARH	40	4	36	0	0	0
05	UTTARANCHAL	224	132	92	224	132	92
06	HARYANA	328	180	148	328	180	148
07	DELHI	128	8	120	256	16	240
08	RAJASTHAN	520	324	196	520	324	196
09	UTTAR PRADESH	1128	740	388	2256	1480	776
10	BIHAR	576	416	160	576	416	160
11	SIKKIM	96	76	20	96	76	20
12	ARUNACHAL PRADESH	216	140	76	216	140	76
13	NAGALAND	128	88	40	208	88	120
14	MANIPUR	320	172	148	640	344	296
15	MIZORAM	192	80	112	192	80	112
16	TRIPURA	232	164	68	232	164	68
17	MEGHALAYA	160	108	52	160	108	52
18	ASSAM	432	328	104	432	328	104
19	WEST BENGAL	792	448	344	792	448	344
20	JHARKHAND	344	220	124	344	220	124
21	ORISSA	504	372	132	504	372	132
22	CHATTISGARH	280	188	92	280	188	92
23	MADHYA PRADESH	592	344	248	592	344	248
24	GUJARAT	432	216	216	320	160	160
25	DAMAN & DIU	16	8	8	16	8	8
26	D & N HAVELI	24	12	12	0	0	0
27	MAHARASTRA	1008	504	504	1260	504	756
28	ANDHRA PRADESH	864	492	372	864	492	372
29	KARNATAKA	512	256	256	512	256	256
30	GOA	56	20	36	56	20	36
31	LAKSHADWEEP	24	8	16	0	0	0
32	KERALA	560	328	232	840	492	348
33	TAMIL NADU	832	416	416	832	416	416
34	PONDICHERRY	72	16	56	72	16	56
35	A & N ISLANDS	72	36	36	0	0	0
ALL		12808*	7524*	5284*	15132	8736	6396

*Includes 16 rural and 8 urban samples to be surveyed in the state sample only by DES, J & K and schedules of which are to be sent to DPD for inclusion in the central sample data.

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
JAMMU & KASHMIR (01)						
01	Kupwara	01	2	624906	24	48
02	Baramula	02	2	973471	32	60
03	Srinagar	03	2	256283	8	16
04	Badgam	04	2	558734	20	40
05	Pulwama	05	2	584113	20	40
06	Anantnag	06	2	1004086	32	60
07	Leh (Ladakh)	07	2	85864	8	8
08	Kargil	08	2	108652	8	8
09	Doda	09	1	174291	4	8
09	Doda	09	2	469950	20	40
10	Udhampur	10	1	240032	4	8
10	Udhampur	10	2	386858	20	40
11	Punch	11	1	202742	4	8
11	Punch	11	2	145900	8	16
12	Rajauri	12	2	449637	16	32
13	Jammu	13	2	887673	32	56
14	Kathua	14	2	471375	16	32
STATE Totals				7624567	276	520
HIMACHAL PRADESH (02)						
01	Chamba	01	1	54671	4	4
01	Chamba	01	2	372147	12	12
02	Kangra	02	1	150504	4	4
02	Kangra	02	2	1116490	36	36
03	Lahul & Spiti	03	2	33458	8	8
04	Kullu	04	2	351478	12	12
05	Mandi	05	1	79302	4	4
05	Mandi	05	2	761565	24	24
06	Hamirpur	06	1	69307	4	4
06	Hamirpur	06	2	313224	12	12
07	Una	07	2	408905	16	16
08	Bilaspur	08	2	319030	12	12
09	Solan	09	1	82002	4	4
09	Solan	09	2	327508	12	12
10	Sirmaur	10	1	80610	4	4
10	Sirmaur	10	2	330318	12	12
11	Shimla	11	1	66883	4	4
11	Shimla	11	2	488780	16	16
12	Kinnaur	12	2	78760	8	8
STATE Totals				5484942	208	208

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
PUNJAB (03)						
01	Gurdaspur	01	2	1568873	16	16
02	Amritsar	02	1	255497	4	4
02	Amritsar	02	2	1627622	12	12
03	Kapurthala	03	2	508066	8	8
04	Jalandhar	04	2	1038437	12	12
05	Hoshiarpur	05	2	1188693	12	12
06	Nawanshahr	06	2	506408	8	8
07	Rupnagar	07	2	487652	8	8
08	Fatehgarh Sahib	08	2	386952	8	8
09	Ludhiana	09	2	1339196	12	12
10	Moga	10	2	716222	8	8
11	Firozpur	11	1	158345	4	4
11	Firozpur	11	2	1137073	12	12
12	Muktsar	12	2	578929	8	8
13	Faridkot	13	2	357329	8	8
14	Bathinda	14	2	831545	12	12
15	Mansa	15	2	546331	8	8
16	Sangrur	16	2	1415358	16	16
17	Patiala	17	2	1039271	12	12
18	S J A S Nagar (Mohali)	18	2	427057	8	8
STATE Totals				16114856	196	196
CHANDIGARH (04)						
01	Chandigarh	01	2	92121	4	0
STATE Totals				92121	4	0
UTTARANCHAL (05)						
01	Uttarkashi	01	2	272112	8	8
02	Chamoli	02	2	319734	8	8
03	Rudraprayag	03	2	224740	8	8
04	Tehri Garhwal	04	1	64719	4	4
04	Tehri Garhwal	04	2	480248	8	8
05	Dehradun	05	2	488251	12	12
06	Garhwal	06	1	55715	4	4
06	Garhwal	06	2	551820	8	8
07	Pithoragarh	07	2	402549	8	8
08	Bageshwar	08	2	241733	8	8
09	Almora	09	1	103119	4	4
09	Almora	09	2	473045	8	8
10	Champawat	10	2	190825	4	4
11	Nainital	11	2	280129	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
12	Udham Singh Nagar	12	2	832614	12	12
13	Hardwar	13	2	1001029	12	12
14	Nainital(Hills)	14	2	213787	4	4
15	Dehradun(Hills)	15	2	115171	4	4
STATE Totals				6311340	132	132
HARYANA (06)						
01	Panchkula	01	2	260028	8	8
02	Ambala	02	2	657394	8	8
03	Yamunanagar	03	2	658464	8	8
04	Kurukshetra	04	2	609952	8	8
05	Kaithal	05	2	762649	8	8
06	Karnal	06	2	936353	12	12
07	Panipat	07	2	575382	8	8
08	Sonapat	08	2	957813	12	12
09	Jind	09	2	948251	12	12
10	Fatehabad	10	2	670896	8	8
11	Sirsa	11	2	823188	8	8
12	Hisar	12	2	1149939	12	12
13	Bhiwani	13	2	1165908	12	12
14	Rohtak	14	2	610525	8	8
15	Jhajjar	15	2	684988	8	8
16	Mahendragarh	16	2	702887	8	8
17	Rewari	17	2	629190	8	8
18	Gurgaon	18	2	669689	8	8
19	Faridabad	19	2	780304	8	8
20	Mewat	20	2	814585	8	8
STATE Totals				15068385	180	180
DELHI (07)						
09	All districts combined		2	944733	8	16
STATE Totals				944733	8	16
RAJASTHAN (08)						
01	Ganganagar	01	1	66415	4	4
01	Ganganagar	01	2	1269835	8	8
02	Hanumangarh	02	2	1214599	8	8
03	Bikaner	03	2	1079301	8	8
04	Churu	04	1	316953	4	4
04	Churu	04	2	1070762	8	8
05	Jhunjhunun	05	2	1518577	12	12
06	Alwar	06	1	898889	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
06	Alwar	06	2	1658804	8	8
07	Bharatpur	07	1	122235	4	4
07	Bharatpur	07	2	1570053	8	8
08	Dhaulpur	08	2	806656	8	8
09	Karauli	09	2	1037763	8	8
10	Sawai Madhopur	10	2	904492	8	8
11	Dausa	11	2	1181278	8	8
12	Jaipur	12	1	92008	4	4
12	Jaipur	12	2	2567050	8	8
13	Sikar	13	1	127640	4	4
13	Sikar	13	2	1687616	8	8
14	Nagaur	14	1	154954	4	4
14	Nagaur	14	2	2142787	8	8
15	Jodhpur	15	2	1909428	12	12
16	Jaisalmer	16	2	431890	8	8
17	Barmer	17	1	245335	4	4
17	Barmer	17	2	1574104	8	8
18	Jalor	18	1	526601	4	4
18	Jalor	18	2	812354	8	8
19	Sirohi	19	2	700224	8	8
20	Pali	20	2	1429377	12	12
21	Ajmer	21	1	148752	4	4
21	Ajmer	21	2	1158255	8	8
22	Tonk	22	2	958564	8	8
23	Bundi	23	2	783068	8	8
24	Bhilwara	24	1	220068	4	4
24	Bhilwara	24	2	1378922	8	8
25	Rajsamand	25	2	858315	8	8
26	Udaipur	26	1	168807	4	4
26	Udaipur	26	2	1974200	8	8
27	Dungarpur	27	2	1026791	8	8
28	Banswara	28	1	222210	4	4
28	Banswara	28	2	1172044	8	8
29	Chittaurgarh	29	1	279828	4	4
29	Chittaurgarh	29	2	1234621	8	8
30	Kota	30	2	730028	8	8
31	Baran	31	2	849756	8	8
32	Jhalawar	32	2	1012204	8	8
STATE Totals				43294413	324	324

UTTAR PRADESH (09)*Note on Sample Design and Estimation Procedure*

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Saharanpur	01	2	2149633	12	24
02	Muzaffarnagar	02	1	395352	4	8
02	Muzaffarnagar	02	2	2244260	12	24
03	Bijnor	03	1	94667	4	8
03	Bijnor	03	2	2276442	8	16
04	Moradabad	04	1	434878	4	8
04	Moradabad	04	2	2212655	12	24
05	Rampur	05	2	1443349	8	16
06	Jyotiba Phule Nagar	06	2	1131065	8	16
07	Meerut	07	2	1545430	8	16
08	Baghpat	08	2	934584	8	16
09	Ghaziabad	09	2	1474209	8	16
10	Gautam Buddha Nagar	10	2	752645	8	16
11	Bulandshahar	11	1	963084	4	8
11	Bulandshahar	11	2	1275651	8	16
12	Aligarh	12	2	2127622	8	16
13	Hathras	13	2	1071567	8	16
14	Mathura	14	2	1487637	8	16
15	Agra	15	2	2052762	8	16
16	Firozabad	16	2	1430424	8	16
17	Etah	17	2	2306840	12	24
18	Mainpuri	18	2	1363658	8	16
19	Budaun	19	1	160607	4	8
19	Budaun	19	2	2351982	12	24
20	Bareilly	20	1	386939	4	8
20	Bareilly	20	2	2040405	12	24
21	Pilibhit	21	2	1351092	8	16
22	Shahjahanpur	22	2	2022597	8	16
23	Kheri	23	1	391020	4	8
23	Kheri	23	2	2470825	12	24
24	Sitapur	24	1	248315	4	8
24	Sitapur	24	2	2938685	12	24
25	Hardoi	25	1	200386	4	8
25	Hardoi	25	2	2790776	12	24
26	Unnao	26	1	150346	4	8
26	Unnao	26	2	2138540	8	16
27	Lucknow	27	2	1326886	8	16
28	Rae Bareli	28	1	137399	4	8
28	Rae Bareli	28	2	2460978	12	24
29	Farrukhabad	29	2	1228988	8	16
30	Kannauj	30	2	1157010	8	16
31	Etawah	31	2	1030795	8	16

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
32	Auraiya	32	2	1011091	8	16
33	Kanpur Dehat	33	2	1455629	8	16
34	Kanpur Nagar	34	2	1370582	8	16
35	Jalaun	35	2	1114140	8	16
36	Jhansi	36	2	1033356	8	16
37	Lalitpur	37	2	835871	8	16
38	Hamirpur	38	2	870043	8	16
39	Mahoba	39	2	553631	8	16
40	Banda	40	2	1293352	8	16
41	Chitrakoot	41	2	689750	8	16
42	Fatehpur	42	2	2070803	8	16
43	Pratapgarh	43	1	170468	4	8
43	Pratapgarh	43	2	2416188	12	24
44	Kaushambi	44	2	1201495	8	16
45	Allahabad	45	1	456209	4	8
45	Allahabad	45	2	3273373	12	24
46	Barabanki	46	1	396451	4	8
46	Barabanki	46	2	2379048	12	24
47	Faizabad	47	2	1457038	8	16
48	Ambedkar Nagar	48	2	1845888	8	16
49	Sultanpur	49	1	157245	4	8
49	Sultanpur	49	2	2905361	12	24
50	Bahraich	50	2	2143096	8	16
51	Shrawasti	51	2	1143060	8	16
52	Balrampur	52	2	1546792	8	16
53	Gonda	53	1	439336	4	8
53	Gonda	53	2	2131937	12	24
54	Siddharthnagar	54	2	1962478	8	16
55	Basti	55	2	1969023	8	16
56	Sant Kabir Nagar	56	2	1319825	8	16
57	Mahrajganj	57	2	2063333	8	16
58	Gorakhpur	58	1	218386	4	8
58	Gorakhpur	58	2	2812882	12	24
59	Kushinagar	59	1	236929	4	8
59	Kushinagar	59	2	2523813	12	24
60	Deoria	60	1	135541	4	8
60	Deoria	60	2	2308957	12	24
61	Azamgarh	61	1	348824	4	8
61	Azamgarh	61	2	3294105	12	24
62	Mau	62	2	1493751	8	16
63	Ballia	63	1	97814	4	8
63	Ballia	63	2	2394392	12	24

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
64	Jaunpur	64	1	345737	4	8
64	Jaunpur	64	2	3276627	12	24
65	Ghazipur	65	1	148281	4	8
65	Ghazipur	65	2	2656630	12	24
66	Chandauli	66	2	1469912	8	16
67	Varanasi	67	2	1878138	8	16
68	Sant Ravidas Nagar Bhadohi	68	2	1180347	8	16
69	Mirzapur	69	2	1829754	8	16
70	Sonbhadra	70	2	1188150	8	16
STATE Totals				131667847	740	1480
BIHAR (10)						
01	Pashchim Champaran	01	1	248075	4	4
01	Pashchim Champaran	01	2	2485963	8	8
02	Purba Champaran	02	2	3688726	16	16
03	Sheohar	03	2	494713	8	8
04	Sitamarhi	04	2	2529440	12	12
05	Madhubani	05	2	3450813	16	16
06	Supaul	06	2	1644395	8	8
07	Araria	07	1	675590	4	4
07	Araria	07	2	1350696	8	8
08	Kishanganj	08	2	1167381	8	8
09	Purnia	09	1	556093	4	4
09	Purnia	09	2	1765629	8	8
10	Katihar	10	1	574003	4	4
10	Katihar	10	2	1600611	8	8
11	Madhepura	11	2	1447445	8	8
12	Saharsa	12	2	1383042	8	8
13	Darbhanga	13	2	3028629	16	16
14	Muzaffarpur	14	1	91344	4	4
14	Muzaffarpur	14	2	3307088	12	12
15	Gopalganj	15	1	104513	4	4
15	Gopalganj	15	2	1917687	8	8
16	Siwan	16	2	2564952	12	12
17	Saran	17	2	2950263	16	16
18	Vaishali	18	2	2531921	12	12
19	Samastipur	19	2	3271464	16	16
20	Begusarai	20	2	2242226	12	12
21	Khagaria	21	2	1204087	8	8
22	Bhagalpur	22	1	297440	4	4
22	Bhagalpur	22	2	1673890	8	8
23	Banka	23	2	1552782	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
24	Munger	24	2	820286	8	8
25	Lakhisarai	25	2	684600	8	8
26	Sheikhpura	26	2	444242	8	8
27	Nalanda	27	1	327336	4	4
27	Nalanda	27	2	1689619	8	8
28	Patna	28	1	155064	4	4
28	Patna	28	2	2602131	8	8
29	Bhojpur	29	2	1930948	12	12
30	Buxar	30	2	1273737	8	8
31	Kaimur (Bhabua)	31	2	1247662	8	8
32	Rohtas	32	1	100046	4	4
32	Rohtas	32	2	2024248	8	8
33	Jehanabad	33	2	813269	8	8
34	Aurangabad	34	2	1843107	8	8
35	Gaya	35	1	371609	4	4
35	Gaya	35	2	2626077	12	12
36	Nawada	36	2	1671380	8	8
37	Jamui	37	2	1295744	8	8
38	Arwal	38	2	589496	8	8
STATE Totals				74311502	416	416
SIKKIM (11)						
01	North	01	2	39782	8	8
02	West	02	2	121432	20	20
03	South	03	2	127579	20	20
04	East	04	2	192190	28	28
STATE Totals				480983	76	76
ARUNACHAL PRADESH (12)						
01	Tawang	01	2	30557	4	4
02	West Kameng	02	2	67913	12	12
03	East Kameng	03	2	42193	8	8
04	Papum Pare	04	2	59977	12	12
05	Lower Subansiri	05	2	43359	8	8
06	Upper Subansiri	06	2	39607	8	8
07	West Siang	07	2	82815	12	12
08	East Siang	08	2	65433	12	12
09	Upper Siang	09	2	33370	4	4
10	Dibang Valley	10	2	7288	4	4
11	Lohit	11	2	98336	12	12
12	Changlang	12	2	113040	12	12
13	Tirap	13	2	85032	12	12

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
14	Anjaw	14	2	18458	4	4
15	Kurungkumey	15	2	42553	8	8
16	Lower Dibang Valley	16	2	40358	8	8
STATE Totals				870289	140	140
NAGALAND (13)						
01	Mon	01	2	74410	8	8
02	Tuensang	02	2	75007	8	8
03	Mokokchung	03	2	143131	8	8
04	Zunheboto	04	2	55120	8	8
05	Wokha	05	2	48999	8	8
06	Dimapur	06	2	93870	8	8
07	Kohima	07	2	114584	8	8
08	Phek	08	2	66600	8	8
09	Kiphire	09	2	29660	8	8
10	Longleng	10	2	58656	8	8
11	Peren	11	2	49917	8	8
STATE Totals				809954	88	88
MANIPUR (14)						
01	Senapati (Excluding 3 Sub-Divisions)	01	1	29316	4	8
01	Senapati (Excluding 3 Sub-Divisions)	01	2	127210	12	24
02	Tamenglong	02	2	111499	12	24
03	Churachandpur	03	1	27168	4	8
03	Churachandpur	03	2	200743	20	40
04	Bishnupur	04	2	133628	16	32
05	Thoubal	05	2	232881	24	48
06	Imphal West	06	2	197719	20	40
07	Imphal East	07	2	286573	32	64
08	Ukhrul	08	2	140778	16	32
09	Chandel	09	2	103376	12	24
STATE Totals				1590891	172	344
MIZORAM (15)						
01	Mamit	01	2	52173	8	8
02	Kolasib	02	2	29471	4	4
03	Aizawl	03	2	77538	16	16
04	Champhai	04	2	66346	12	12
05	Serchhip	05	2	27987	4	4
06	Lunglei	06	2	79298	16	16
07	Lawngtlai	07	2	73627	12	12
08	Saiha	08	2	41237	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STATE Totals				447677	80	80
TRIPURA (16)						
01	West Tripura	01	2	1122915	68	68
02	South Tripura	02	2	713301	44	44
03	Dhalai	03	2	289004	20	20
04	North Tripura	04	2	528245	32	32
STATE Totals				2653465	164	164
MEGHALAYA (17)						
01	West Garo Hills	01	1	76150	4	4
01	West Garo Hills	01	2	383330	20	20
02	East Garo Hills	02	1	48501	4	4
02	East Garo Hills	02	2	166199	8	8
03	South Garo Hills	03	2	92370	8	8
04	West Khasi Hills	04	1	30114	4	4
04	West Khasi Hills	04	2	231358	12	12
05	Ri Bhoi	05	1	42107	4	4
05	Ri Bhoi	05	2	137532	8	8
06	East Khasi Hills	06	1	42735	4	4
06	East Khasi Hills	06	2	340483	16	16
07	Jaintia Hills	07	2	274084	16	16
STATE Totals				1864963	108	108
ASSAM (18)						
01	Kokrajhar	01	1	105987	4	4
01	Kokrajhar	01	2	735860	8	8
02	Dhubri	02	1	84652	4	4
02	Dhubri	02	2	1360321	12	12
03	Goalpara	03	2	755209	12	12
04	Bongaigaon	04	2	372001	8	8
05	Barpeta	05	2	1520356	20	20
06	Kamrup rural	06	2	1402977	16	16
07	Nalbari	07	2	663466	8	8
08	Darrang	08	2	740979	12	12
09	Marigaon	09	2	738312	12	12
10	Nagaon	10	1	100893	4	4
10	Nagaon	10	2	1935494	16	16
11	Sonitpur	11	1	102424	4	4
11	Sonitpur	11	2	1403381	16	16
12	Lakhimpur	12	1	580749	4	4
12	Lakhimpur	12	2	243139	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
13	Dhemaji	13	2	533191	8	8
14	Tinsukia	14	1	98658	4	4
14	Tinsukia	14	2	827486	8	8
15	Dibrugarh	15	1	93473	4	4
15	Dibrugarh	15	2	863197	8	8
16	Sibsagar	16	2	954569	12	12
17	Jorhat	17	1	136184	4	4
17	Jorhat	17	2	691783	8	8
18	Golaghat	18	1	90640	4	4
18	Golaghat	18	2	774524	8	8
19	Karbi Anglong	19	1	131490	4	4
19	Karbi Anglong	19	2	590189	8	8
20	North Cachar Hills	20	2	128684	8	8
21	Cachar	21	2	1243561	16	16
22	Karimganj	22	2	934151	12	12
23	Hailakandi	23	2	498791	8	8
24	Chirag	24	2	423088	8	8
25	Baksa	25	2	457901	8	8
26	Kamrup metro	26	2	211181	8	8
27	Udalguri	27	2	688535	12	12
STATE Totals				23217476	328	328
WEST BENGAL (19)						
01	Darjiling	01	2	1088808	8	8
02	Jalpaiguri	02	2	2794305	24	24
03	Koch Bihar	03	2	2253601	16	16
04	Uttar Dinajpur	04	1	567479	4	4
04	Uttar Dinajpur	04	2	1579899	12	12
05	Dakshin Dinajpur	05	1	161667	4	4
05	Dakshin Dinajpur	05	2	1144716	8	8
06	Maldah	06	1	951924	4	4
06	Maldah	06	2	2097761	20	20
07	Murshidabad	07	1	617458	4	4
07	Murshidabad	07	2	4516662	32	32
08	Birbhum	08	1	295678	4	4
08	Birbhum	08	2	2461542	16	16
09	Bardhaman	09	1	357596	4	4
09	Bardhaman	09	2	3990961	32	32
10	Nadia	10	2	3625404	28	28
11	North Twenty Four Parganas	11	2	4083349	32	32
12	Hugli	12	1	140725	4	4
12	Hugli	12	2	3213531	24	24

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
13	Bankura	13	1	609937	4	4
13	Bankura	13	2	2347763	20	20
14	Puruliya	14	1	502576	4	4
14	Puruliya	14	2	1778729	16	16
15	Pashim Midnapur	15	2	4576772	36	36
16	Haora	16	2	2121116	16	16
18	South Twenty Four Parganas	18	2	5820522	40	40
19	Purba Midnapur	19	2	4051303	32	32
STATE Totals				57751784	448	448

JHARKHAND

01	Garhwa	01	2	992873	12	12
02	Palamu	02	1	97309	4	4
02	Palamu	02	2	1341548	8	8
03	Chatra	03	2	749535	8	8
04	Hazaribagh	04	1	124113	4	4
04	Hazaribagh	04	2	1624452	8	8
05	Kodarma	05	2	412777	8	8
06	Giridih	06	1	81707	4	4
06	Giridih	06	2	1700583	8	8
07	Deoghar	07	1	96650	4	4
07	Deoghar	07	2	909239	8	8
08	Godda	08	1	87464	4	4
08	Godda	08	2	924138	8	8
09	Sahibganj	09	2	830151	8	8
10	Pakaur	10	2	665757	8	8
11	Dumka	11	1	188819	4	4
11	Dumka	11	2	858846	8	8
12	Dhanbad	12	2	1141836	12	12
13	Bokaro	13	2	973030	12	12
14	Ranchi	14	1	287395	4	4
14	Ranchi	14	2	1519872	8	8
15	Lohardaga	15	2	318326	8	8
16	Gumla	16	2	885607	8	8
17	Pashchimi Singhbhum	17	1	291246	4	4
17	Pashchimi Singhbhum	17	2	751655	8	8
18	Purbi Singhbhum	18	2	891924	8	8
19	Latehar	19	2	534620	8	8
20	Simdega	20	2	387423	8	8
21	Jamtara	21	2	597378	8	8
22	Seraikela-kharsawan	22	2	689076	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STATE Totals				20955349	220	220
ORISSA (21)						
01	Bargarh	01	1	92196	4	4
01	Bargarh	01	2	1150626	12	12
02	Jharsuguda	02	2	323833	8	8
03	Sambalpur	03	2	681919	8	8
04	Debagarh	04	2	254176	8	8
05	Sundargarh	05	1	194111	4	4
05	Sundargarh	05	2	1007409	12	12
06	Kendujhar	06	1	101183	4	4
06	Kendujhar	06	2	1247837	12	12
07	Mayurbhanj	07	1	353858	4	4
07	Mayurbhanj	07	2	1714100	12	12
08	Baleshwar	08	2	1804505	16	16
09	Bhadrak	09	2	1192746	16	16
10	Kendrapara	10	2	1228001	16	16
11	Jagatsinghapur	11	2	953241	12	12
12	Cuttack	12	2	1700058	16	16
13	Jajapur	13	2	1551564	16	16
14	Dhenkanal	14	2	974103	12	12
15	Anugul	15	1	101884	4	4
15	Anugul	15	2	879952	8	8
16	Nayagarh	16	1	32363	4	4
16	Nayagarh	16	2	795251	8	8
17	Khordha	17	2	1071882	12	12
18	Puri	18	2	1298778	16	16
19	Ganjam	19	1	326932	4	4
19	Ganjam	19	2	2277744	16	16
20	Gajapati	20	2	466056	8	8
21	Kandhamal	21	2	604274	8	8
22	Baudh	22	2	355418	8	8
23	Sonapur	23	2	501897	8	8
24	Balangir	24	1	179065	4	4
24	Balangir	24	2	1003836	8	8
25	Nuapada	25	2	500667	8	8
26	Kalahandi	26	1	369692	4	4
26	Kalahandi	26	2	865720	12	12
27	Rayagada	27	2	715902	8	8
28	Nabarangapur	28	1	448413	4	4
28	Nabarangapur	28	2	518108	8	8
29	Koraput	29	1	337690	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
29	Koraput	29	2	644604	8	8
30	Malkangiri	30	2	469648	8	8
STATE Totals				31291242	372	372
CHHATTISGARH (22)						
01	Koriya	01	2	411547	8	8
02	Surguja	02	1	443321	4	4
02	Surguja	02	2	1391597	16	16
03	Jashpur	03	2	708966	8	8
04	Raigarh	04	1	65186	4	4
04	Raigarh	04	2	1030931	8	8
05	Korba	05	2	644869	8	8
06	Janjgir - Champa	06	2	1172123	12	12
07	Bilaspur	07	2	1511694	16	16
08	Kawardha	08	2	539713	8	8
09	Rajnandgaon	09	1	56760	4	4
09	Rajnandgaon	09	2	994871	8	8
10	Durg	10	2	1738141	20	20
11	Raipur	11	1	53977	4	4
11	Raipur	11	2	2045402	16	16
12	Mahasamund	12	2	762613	8	8
13	Dhamtari	13	2	613037	8	8
14	Kanker	14	2	619554	8	8
15	Bastar	15	1	382920	4	4
15	Bastar	15	2	793781	8	8
16	Dantewada	16	2	667617	8	8
STATE Totals				16648620	188	188
MADHYA PRADESH (23)						
01	Sheopur	01	2	471004	4	4
02	Morena	02	2	1249441	8	8
03	Bhind	03	2	1089672	8	8
04	Gwalior	04	2	649141	4	4
05	Datia	05	2	490742	4	4
06	Shivpuri	06	2	1202386	8	8
07	Guna	07	2	738985	8	8
08	Tikamgarh	08	2	990363	8	8
09	Chhatarpur	09	2	1150536	8	8
10	Panna	10	2	748434	8	8
11	Sagar	11	2	1431255	8	8
12	Damoh	12	2	879636	8	8
13	Satna	13	2	1484786	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
14	Rewa	14	2	1653053	8	8
15	Umaria	15	2	432901	4	4
16	Shahdol	16	2	705394	4	4
17	Sidhi	17	2	1570175	8	8
18	Neemuch	18	2	523232	4	4
19	Mandsaur	19	2	963057	8	8
20	Ratlam	20	2	846978	8	8
21	Ujjain	21	2	1048206	8	8
22	Shajapur	22	2	1051504	8	8
23	Dewas	23	2	949940	8	8
24	Jhabua	24	2	1273570	8	8
25	Dhar	25	2	1452224	8	8
26	Indore	26	2	735479	8	8
27	West Nimar	27	2	1294342	8	8
28	Barwani	28	2	923501	8	8
29	East Nimar	29	2	861856	8	8
30	Rajgarh	30	2	1036815	8	8
31	Vidisha	31	2	954573	8	8
32	Bhopal	32	2	360818	4	4
33	Sehore	33	2	885229	8	8
34	Raisen	34	2	918430	8	8
35	Betul	35	2	1136120	8	8
36	Harda	36	2	373303	4	4
37	Hoshangabad	37	2	749918	8	8
38	Katni	38	2	838963	8	8
39	Jabalpur	39	2	923918	8	8
40	Narsimhapur	40	2	804563	8	8
41	Dindori	41	2	553882	4	4
42	Mandla	42	2	802340	8	8
43	Chhindwara	43	1	167423	4	4
43	Chhindwara	43	2	1229726	8	8
44	Seoni	44	2	1045935	8	8
45	Balaghat	45	1	75490	4	4
45	Balaghat	45	2	1228611	8	8
46	Ashoknagar	46	2	573126	4	4
47	Anuppur	47	2	471813	4	4
48	Burhanpur	48	2	391365	4	4
	STATE Totals			44384154	344	344
	GUJARAT (24)					
01	Kachchh	01	2	1108397	8	8
02	Banas Kantha	02	1	403402	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
02	Banas Kantha	02	2	1825346	8	4
03	Patan	03	2	944281	8	4
04	Mahesana	04	2	1426185	8	8
05	Sabar Kantha	05	1	122017	4	4
05	Sabar Kantha	05	2	1735402	8	4
06	Gandhinagar	06	2	867195	8	4
07	Ahmadabad	07	2	1152987	8	8
08	Surendranagar	08	2	1112704	8	8
09	Rajkot	09	2	1544021	8	8
10	Jamnagar	10	2	1068080	8	4
11	Porbandar	11	2	275460	4	4
12	Junagadh	12	2	1736760	12	8
13	Amreli	13	2	1080962	8	4
14	Bhavnagar	14	2	1534600	8	8
15	Anand	15	2	1348901	8	8
16	Kheda	16	2	1617769	8	8
17	Panch Mahals	17	1	180070	4	4
17	Panch Mahals	17	2	1591859	8	4
18	Dohad	18	2	1480110	8	8
19	Vadodara	19	1	341072	4	4
19	Vadodara	19	2	1654513	8	4
20	Narmada	20	2	462358	8	4
21	Bharuch	21	2	1018102	8	4
22	Surat	22	1	191886	4	4
22	Surat	22	2	1807568	8	4
23	The Dangs	23	2	186729	4	4
24	Navsari	24	2	893110	8	4
25	Valsad	25	2	1029394	8	4
STATE Totals				31741240	216	160
DAMAN & DIU (25)						
02	All districts		2	100856	8	8
STATE Totals				100856	8	8
DADRA & NAGAR HAVELI (26)						
01	Dadra & Nagar Haveli	01	2	170027	12	0
STATE Totals				170027	12	0
MAHARASHTRA (27)						
01	Nandurbar	01	1	356675	4	4
01	Nandurbar	01	2	752373	8	8
02	Dhule	02	1	211855	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
02	Dhule	02	2	1050210	8	8
03	Jalgaon	03	1	174997	4	4
03	Jalgaon	03	2	2454927	20	20
04	Buldana	04	1	167127	4	4
04	Buldana	04	2	1592106	12	12
05	Akola	05	2	1002866	8	8
06	Washim	06	2	841858	8	8
07	Amravati	07	1	175298	4	4
07	Amravati	07	2	1532606	12	12
08	Wardha	08	2	912073	8	8
09	Nagpur	09	1	147536	4	4
09	Nagpur	09	2	1306591	8	8
10	Bhandara	10	2	960510	8	8
11	Gondiya	11	2	1057333	12	12
12	Gadchiroli	12	2	903191	8	8
13	Chandrapur	13	1	64886	4	4
13	Chandrapur	13	2	1341467	8	8
14	Yavatmal	14	1	145020	4	4
14	Yavatmal	14	2	1856314	16	16
15	Nanded	15	1	290842	4	4
15	Nanded	15	2	1896416	16	16
16	Hingoli	16	2	833168	8	8
17	Parbhani	17	2	1042540	8	8
18	Jalna	18	1	111030	4	4
18	Jalna	18	2	1194093	8	8
19	Aurangabad	19	1	197449	4	4
19	Aurangabad	19	2	1612458	12	12
20	Nashik	20	1	558758	4	4
20	Nashik	20	2	2497488	20	20
21	Thane	21	1	285129	4	4
21	Thane	21	2	1944268	16	16
24	Raigarh	24	1	86342	4	4
24	Raigarh	24	2	1586812	12	12
25	Pune	25	1	206778	4	4
25	Pune	25	2	2824962	20	20
26	Ahmadnagar	26	1	211653	4	4
26	Ahmadnagar	26	2	3025301	20	20
27	Bid	27	1	130493	4	4
27	Bid	27	2	1643698	12	12
28	Latur	28	2	1590047	16	16
29	Osmanabad	29	2	1253335	12	12
30	Solapur	30	1	415402	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
30	Solapur	30	2	2208869	20	20
31	Satara	31	1	232154	4	4
31	Satara	31	2	2178742	16	16
32	Ratnagiri	32	1	147318	4	4
32	Ratnagiri	32	2	1357254	12	12
33	Sindhudurg	33	2	786506	8	8
34	Kolhapur	34	1	382450	4	4
34	Kolhapur	34	2	2090380	20	20
35	Sangli	35	1	414516	4	4
35	Sangli	35	2	1535793	16	16
STATE Totals				55780263	504	504
ANDHRA PRADESH (28)						
01	Adilabad	01	1	159030	4	4
01	Adilabad	01	2	1669099	12	12
02	Nizamabad	02	2	1921011	16	16
03	Karimnagar	03	2	2813055	24	24
04	Medak	04	1	141770	4	4
04	Medak	04	2	2144832	16	16
06	Rangareddi	06	2	1637290	16	16
07	Mahbubnagar	07	1	1047432	4	4
07	Mahbubnagar	07	2	2093395	24	24
08	Nalgonda	08	1	201399	4	4
08	Nalgonda	08	2	2613929	20	20
09	Warangal	09	2	2622879	24	24
10	Khammam	10	1	250676	4	4
10	Khammam	10	2	1817518	16	16
11	Srikakulam	11	1	102627	4	4
11	Srikakulam	11	2	2156406	16	16
12	Vizianagaram	12	1	387089	4	4
12	Vizianagaram	12	2	1449839	12	12
13	Visakhapatnam	13	1	200262	4	4
13	Visakhapatnam	13	2	2101361	16	16
14	East Godavari	14	1	31485	4	4
14	East Godavari	14	2	3718106	24	24
15	West Godavari	15	2	3052668	28	28
16	Krishna	16	2	2844432	24	24
17	Guntur	17	1	435158	4	4
17	Guntur	17	2	2744249	24	24
18	Prakasam	18	1	189976	4	4
18	Prakasam	18	2	2402170	20	20
19	Nellore	19	2	2069603	20	20

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
20	Cuddapah	20	2	2014122	20	20
21	Kurnool	21	1	976647	4	4
21	Kurnool	21	2	1735412	20	20
22	Anantapur	22	2	2720942	24	24
23	Chittoor	23	1	109804	4	4
23	Chittoor	23	2	2825079	24	24
STATE Totals				55400752	492	492
KARNATAKA (29)						
01	Belgaum	01	1	198254	4	4
01	Belgaum	01	2	3003575	8	8
02	Bagalkot	02	2	1173376	8	8
03	Bijapur	03	2	1410846	12	12
04	Gulbarga	04	1	592874	4	4
04	Gulbarga	04	2	1685504	8	8
05	Bidar	05	2	1157520	8	8
06	Raichur	06	2	1248978	8	8
07	Koppal	07	2	997832	8	8
08	Gadag	08	2	629660	8	8
09	Dharwad	09	2	722354	8	8
10	Uttara Kannada	10	2	965774	8	8
11	Haveri	11	2	1140103	8	8
12	Bellary	12	1	440931	4	4
12	Bellary	12	2	879389	8	8
13	Chitradurga	13	2	1243771	8	8
14	Davanagere	14	2	1248067	8	8
15	Shimoga	15	2	1071622	8	8
16	Udupi	16	2	905890	8	8
17	Chikmagalur	17	2	918264	8	8
18	Tumkur	18	1	100594	4	4
18	Tumkur	18	2	1977049	8	8
19	Kolar	19	1	164278	4	4
19	Kolar	19	2	1746660	8	8
20	Bangalore	20	2	777168	8	8
21	Bangalore Rural	21	2	1474272	12	12
22	Mandya	22	2	1489593	12	12
23	Hassan	23	1	97308	4	4
23	Hassan	23	2	1319853	8	8
24	Dakshina Kannada	24	2	1168428	8	8
25	Kodagu	25	2	480451	8	8
26	Mysore	26	2	1659023	12	12
27	Chamarajanagar	27	2	817457	8	8

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STATE Totals				34906718	256	256
GOA (30)						
01	North Goa	01	2	416828	12	12
02	South Goa	02	2	260275	8	8
STATE Totals				677103	20	20
LAKSHADWEEP (31)						
01	Lakshadweep	01	2	33699	8	0
STATE Totals				33699	8	0
KERALA (32)						
01	Kasaragod	01	2	961380	16	24
02	Kannur	02	2	1217185	16	24
03	Wayanad	03	2	751007	12	20
04	Kozhikode	04	2	1810831	24	36
05	Malappuram	05	2	3254228	36	52
06	Palakkad	06	2	2250736	32	48
07	Thrissur	07	2	2111526	32	48
08	Ernakulam	08	2	1636648	24	36
09	Idukki	09	2	1069069	16	24
10	Kottayam	10	2	1652870	24	36
11	Alappuzha	11	2	1492820	20	28
12	Pathanamthitta	12	2	1110362	16	24
13	Kollam	13	2	2120557	28	44
14	Thiruvananthapuram	14	2	2142879	32	48
STATE Totals				23582098	328	492
TAMILNADU (33)						
01	Thiruvallur	01	2	1254702	16	16
03	Kancheepuram	03	1	116585	4	4
03	Kancheepuram	03	2	1225973	12	12
04	Vellore	04	2	2169413	20	20
05	Dharmapuri	05	2	1100659	12	12
06	Tiruvannamalai	06	1	193398	4	4
06	Tiruvannamalai	06	2	1592022	16	16
07	Viluppuram	07	1	419599	4	4
07	Viluppuram	07	2	2113916	16	16
08	Salem	08	1	247866	4	4
08	Salem	08	2	1378358	16	16
09	Namakkal	09	1	266497	4	4
09	Namakkal	09	2	681754	8	8
10	Erode	10	1	316286	4	4

Note on Sample Design and Estimation Procedure

Table 2: sub-stratum size and allocation for rural sector						
District		stratum	sub-stratum	size (Zst)	allocation	
code	Name				central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
10	Erode	10	2	1071273	12	12
11	The Nilgiris	11	2	307532	8	8
12	Coimbatore	12	2	1451667	16	16
13	Dindigul	13	2	1249795	16	16
14	Karur	14	2	624431	8	8
15	Tiruchirappalli	15	2	1279244	16	16
16	Perambalur	16	2	414440	8	8
17	Ariyalur	17	2	616563	8	8
18	Cuddalore	18	2	1531061	20	20
19	Nagapattinam	19	2	1158562	12	12
20	Thiruvarur	20	2	932239	12	12
21	Thanjavur	21	2	1467613	16	16
22	Pudukkottai	22	2	1211236	16	16
23	Sivaganga	23	2	829280	12	12
24	Madurai	24	1	197643	4	4
24	Madurai	24	2	936417	8	8
25	Theni	25	2	502126	8	8
26	Virudhunagar	26	1	283005	4	4
26	Virudhunagar	26	2	691047	8	8
27	Ramanathapuram	27	2	885218	12	12
28	Thoothukkudi	28	2	907510	12	12
29	Tirunelveli	29	2	1415775	16	16
30	Kanniyakumari	30	2	582114	8	8
31	Krishnagiri	31	1	310324	4	4
31	Krishnagiri	31	2	989455	12	12
STATE Totals				34922598	416	416
PONDICHERRY (34)						
02	Pondicherry	02	2	229373	12	12
04	Karaikal	04	2	96353	4	4
STATE Totals				325726	16	16
ANDAMAN & NICOBAR IS. (35)						
01	Andamans	01	2	92074	12	0
02	Nicobars	02	2	40168	8	0
03	Andamans	03	2	104742	16	0
STATE Totals				236984	36	0
ALL-INDIA Total				741759617	7524	8736

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
JAMMU & KASHMIR (01)					
01	Kupwara	01	18	4	8
02	Barmula	02	176	16	32
03	Srinagar	03	667	52	100
04	Badgam	04	69	4	8
05	Pulwama	05	100	4	8
06	Anantnag	06	208	16	32
07	Leh (Ladakh)	07	1	4	4
08	Kargil	08	1	4	4
09	Doda	09	70	4	8
10	Udhampur	10	175	8	16
11	Poonch	11	33	4	8
12	Rajouri	12	58	4	8
13	Jammu	13	1106	52	100
14	Kathus	14	136	4	8
STATE Totals			2818	180	344
HIMACHAL PRADESH (02)					
01	Chamba	01	58	4	4
02	Kangra	02	120	4	4
04	Kullu	04	50	4	4
05	Mandi	05	91	4	4
06	Hamirpur	06	47	4	4
07	Una	07	63	4	4
08	Bilaspur	08	38	4	4
09	Solan	09	135	8	8
10	Siramour	10	79	4	4
11	Shimla	11	157	8	8
STATE Totals			838	48	48
PUNJAB (03)					
01	Gurdaspur	01	849	12	12
02	Amritsar	02	1959	24	24
03	Kapurthala	03	421	8	8
04	Jalandhar	04	1863	20	20
05	Hoshiarpur	05	436	8	8
06	Nawanshehar	06	152	4	4
07	Rupnagar (Ropar)	07	244	4	4
08	Fatehgarh Sahib	08	228	4	4
09	Ludhiana	09	497	8	8

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
09	Ludhiana	19	1863	24	24
10	Moga	10	260	8	8
11	Firozpur	11	746	12	12
12	Muktsar	12	296	8	8
13	Faridkot	13	297	8	8
14	Bhatinda	14	631	8	8
15	Mansa	15	219	4	4
16	Sangrur	16	900	12	12
17	Patiala	17	875	12	12
18	S. A. S. NAGAR (MOHALI)	18	408	8	8
STATE Totals			13144	196	196
CHANDIGARH (04)					
01	Chandigarh	01	1517	36	0
STATE Totals			1517	36	0
UTTARANCHAL (05)					
01	Uttar Kashi	01	35	4	4
02	Chamoli	02	76	4	4
03	Rudraprayag	03	24	4	4
04	Tehri Garhwal	04	124	4	4
05	Dehra Dun	05	1038	12	12
06	Pauri Garhwal	06	127	8	8
07	Pithoragarh	07	90	4	4
08	Bageshar	08	14	4	4
09	Almora	09	94	4	4
10	Champabat	10	68	4	4
11	Nainital	11	282	8	8
12	Udhamsingh ng.	12	692	12	12
13	Hardwar	13	661	12	12
14	NAINITAL (H)	14	91	4	4
15	DEHRADUN (H))	15	5	4	4
STATE Totals			3421	92	92
HARYANA (06)					
01	PANCHKULA	01	401	4	4
02	Ambala	02	569	8	8
03	Yamuna Nagar	03	570	12	12
04	Kurukshetra	04	311	4	4
05	Kaithal	05	285	4	4
06	Karnal	06	463	8	8

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
07	Panipat	07	828	8	8
08	Sonipat	08	499	8	8
09	Jind	09	390	8	8
10	FATEHABAD	10	222	4	4
11	Sirsa	11	436	8	8
12	Hisar	12	527	12	12
13	Bhiwani	13	404	8	8
14	Rohtak	14	543	8	8
15	JHAJJAR	15	388	4	4
16	Mahendragarh	16	181	4	4
17	Rewari	17	238	4	4
18	Gurgaon	18	827	8	8
19	Faridabad	19	248	4	4
19	Faridabad	21	1972	16	16
20	MEWAT	20	104	4	4
STATE Totals			10406	148	148
DELHI (07)					
—	Delhi Municipal Corporation	10	14650	92	184
—	All other towns	99	6619	28	56
STATE Totals			21269	120	240
RAJASTHAN (08)					
01	Ganganagar	01	735	8	8
02	HANUMAN GARH	02	454	4	4
03	Bikaner	03	843	8	8
04	Churu	04	822	8	8
05	Jhunjjuna	05	589	4	4
06	Alwar	06	587	4	4
07	Bharatpur	07	610	4	4
08	Dholpur	08	225	4	4
09	KARAULI	09	266	4	4
10	Sawai Madhopur	10	338	4	4
11	Dausa	11	246	4	4
12	Jaipur	12	461	4	4
12	Jaipur	33	3531	32	32
13	Sikar	13	757	8	8
14	Nagaur	14	849	8	8
15	Jodhpur	15	1650	8	8
16	Jaisalmer	16	112	4	4
17	Barmer	17	229	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
18	Jalor	18	181	4	4
19	Sirohi	19	240	4	4
20	Pali	20	700	4	4
21	Ajmer	21	1530	8	8
22	Tonk	22	359	4	4
23	Bundi	23	299	4	4
24	Bhilwara	24	670	4	4
25	Rajsamand	25	204	4	4
26	Udaipur	26	948	8	8
27	Dungarpur	27	144	4	4
28	Banswara	28	212	4	4
29	Chittaurgarh	29	516	4	4
30	Kota	30	1184	8	8
31	Baran	31	291	4	4
32	Jhalawar	32	306	4	4
STATE Totals			21088	196	196
UTTAR PRADESH (09)					
01	Saharanpur	01	1227	8	16
02	Muzaffarnagar	02	1423	8	16
03	Bijnor	03	1189	8	16
04	Moradabad	04	1739	8	16
05	Rampur	05	762	4	8
06	M.J.Phule nagar	06	573	4	8
07	Meerut	07	686	4	8
07	Meerut	71	1742	8	16
08	Baghpat	08	415	4	8
09	Ghaziabad	09	4713	12	24
10	G. Buddha nagar	10	1428	4	8
11	Bulandshahr	11	1101	8	16
12	Aligarh	12	1435	8	16
13	Hathras	13	439	4	8
14	Mathura	14	885	8	16
15	Agra	15	504	4	8
15	Agra	72	2118	8	16
16	Firozabad	16	1029	8	16
17	Etah	17	778	4	8
18	Mainpuri	18	351	4	8
19	Budaun	19	849	8	16
20	Bareilly	20	1945	8	16
21	Pilibhit	21	470	4	8

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
22	Shahjahanpur	22	797	4	8
23	Kheri	23	469	4	8
24	Sitapur	24	589	4	8
25	Hardoi	25	576	4	8
26	Unnao	26	688	4	8
27	Lucknow	27	282	4	8
27	Lucknow	73	3821	12	24
28	Rai Bareli	28	430	4	8
29	Farrukhabad	29	527	4	8
30	Kannauj	30	360	4	8
31	Etawah	31	497	4	8
32	Auraiya	32	264	4	8
33	Kanpur Dehat	33	162	4	8
34	Kanpur Nagar	34	399	4	8
34	Kanpur Nagar	74	4161	12	24
35	Jalaun	35	565	4	8
36	Jhansi	36	1364	8	16
37	Lalitpur	37	234	4	8
38	Hamirpur	38	275	4	8
39	Mohoba	39	245	4	8
40	Banda	40	373	4	8
41	Chitrakoot	41	123	4	8
42	Fatepur	42	417	4	8
43	Pratapgarh	43	262	4	8
44	Kaushumbi	44	153	4	8
45	Allahabad	45	1934	8	16
46	Bara Banki	46	436	4	8
47	Faizabad	47	439	4	8
48	Ambedkar Nagar	48	304	4	8
49	Sultanpur	49	252	4	8
50	Bahraich	50	400	4	8
51	Shravasthi	51	54	4	8
52	Balrampur	52	201	4	8
53	Gonda	53	260	4	8
54	Sidhartha nagar	54	118	4	8
55	Basti	55	180	4	8
56	S. Kabir Nagar	56	158	4	8
57	Maharajganj	57	185	4	8
58	Gorakhpur	58	1109	8	16
59	Kushi Nagar	59	208	4	8
60	Deoria	60	400	4	8

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
61	Azamgarh	61	458	4	8
62	Mau	62	631	4	8
63	Ballia	63	397	4	8
64	Jaunpur	64	430	4	8
65	Ghazipur	65	386	4	8
66	Chaundli	66	263	4	8
67	Varanashi	67	277	4	8
67	Varanashi	75	1699	8	16
68	S.Ravidas Nagar	68	307	4	8
69	Mirzapur	69	514	4	8
70	Sonbadra	70	485	4	8
STATE Totals			58319	388	776
BIHAR (10)					
01	West Champaran	01	378	4	4
02	East Champaran	02	336	4	4
03	Sheohar	03	30	4	4
04	Sitamari	04	193	4	4
05	Madhubani	05	161	4	4
06	Supaul	06	154	4	4
07	Araria	07	202	4	4
08	Kishanganj	08	177	4	4
09	Purnea	09	253	4	4
10	Katihar	10	234	4	4
11	Madhepura	11	78	4	4
12	Saharsa	12	244	4	4
13	Darbhanga	13	369	4	4
14	Muzaffarpur	14	395	4	4
15	Gopalganj	15	179	4	4
16	Siwan	16	200	4	4
17	Saran	17	316	4	4
18	Vaishali	18	234	4	4
19	Samastipur	19	159	4	4
20	Begusarai	20	120	4	4
21	Khagaria	21	114	4	4
22	Bhagalpur	22	537	4	4
23	Banka	23	95	4	4
24	Munger	24	454	4	4
25	Lakhisarai	25	181	4	4
26	Sheikpura	26	115	4	4
27	Nalanda	27	607	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
28	Patna	28	723	4	4
28	Patna	39	2017	12	12
29	Bhojpur	29	390	4	4
30	Buxar	30	181	4	4
31	Kaimur (Bhabua)	31	65	4	4
32	Rohtas	32	464	4	4
33	Jehanabad	33	135	4	4
34	Aurangabad	34	225	4	4
35	Gaya	35	628	4	4
36	Nawada	36	191	4	4
37	Jamui	37	154	4	4
STATE Totals			11688	160	160
SIKKIM (11)					
01	North (Mongam)	01	3	4	4
02	West (Gyalshing)	02	4	4	4
03	South (Nimachai)	03	10	4	4
04	East (Gangtok)	04	98	8	8
STATE Totals			115	20	20
ARUNACHAL PRADESH (12)					
01	Tawang	01	11	4	4
02	West Kameng	02	18	4	4
03	East Kameng	03	35	4	4
04	papum pare	04	82	20	20
05	Lower Subansiri	05	16	4	4
06	Upper Subansiri	06	26	4	4
07	West siang	07	57	8	8
08	East Siang	08	27	8	8
11	Lohit	11	50	8	8
12	Changlong	12	17	4	4
13	Tirap	13	25	4	4
16	Lower Dibang Valley	16	16	4	4
STATE Totals			380	76	76
NAGALAND (13)					
01	Mon	01	24	4	12
02	TUENSANG	02	26	4	12
03	Mukokchung	03	57	4	12
04	Zunhehoto	04	20	4	12
05	Wokha	05	18	4	12

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
06	Dimapur	06	129	8	24
07	Kohima	07	102	8	24
08	Phek	08	22	4	12
STATE Totals			398	40	120
MANIPUR (14)					
04	bishnupur	04	125	20	40
05	thoubal	05	224	36	72
06	imphal west	06	426	80	160
07	IMPHAL EAST	07	57	8	16
09	chandel	09	17	4	8
STATE Totals			849	148	296
MIZORAM (15)					
01	Mamit	01	21	4	4
02	Kolasib	02	46	8	8
03	Aizawl	03	269	60	60
04	Chhimituipi	04	49	12	12
05	Serchhip	05	38	8	8
06	Lunglei	06	71	16	16
08	Saiha	08	20	4	4
STATE Totals			514	112	112
TRIPURA (16)					
01	West Tripura	01	595	44	44
02	South Tripura	02	68	8	8
03	DHALAI	03	28	8	8
04	Notrh Tripura	04	83	8	8
STATE Totals			774	68	68
MEGHALAYA (17)					
01	West Garo Hills	01	83	8	8
02	East Garo Hills	02	59	4	4
03	SOUTH GARO HILLS	03	20	4	4
04	West Khasi Hills	04	68	4	4
05	Ri Bhoi	05	35	4	4
06	East Khasi Hills	06	584	24	24
07	Jaintia Hills	07	43	4	4
STATE Totals			892	52	52
ASSAM (18)					

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
01	Kokrajhar	01	87	4	4
02	Dhubri	02	278	4	4
03	Goalpara	03	79	4	4
04	Bongaigaon	04	102	4	4
05	Barpeta	05	185	4	4
06	Kamrup rural	06	120	4	4
07	Nalbari	07	49	4	4
08	Darrang	08	47	4	4
09	Morigaon	09	69	4	4
10	Nowgong	10	441	4	4
11	Sonitpur	11	182	4	4
12	Lakhimpur	12	71	4	4
13	Dhemaji	13	59	4	4
14	Tinsukia	14	389	4	4
15	Dibrugarh	15	299	4	4
16	Sibsagar	16	139	4	4
17	Jorhat	17	306	4	4
18	Golaghat	18	137	4	4
19	Karbianglong	19	123	4	4
20	North Cachar Hills	20	78	4	4
21	Cachar	21	273	4	4
22	Karimganj	22	91	4	4
23	Hailakandi	23	68	4	4
24	Chirang	24	17	4	4
26	Kamrup metro	26	950	4	4
27	Udalgiri	27	43	4	4
STATE Totals			4682	104	104
WEST BENGAL (19)					
01	Darjeeling	01	869	12	12
02	Jalpaiguri	02	614	8	8
03	Kochbihar	03	345	8	8
04	North Dinajpur	04	416	8	8
05	South Dinajpur	05	265	8	8
06	Maldha	06	316	8	8
07	Murshidabad	07	1004	12	12
08	Birdhum	08	364	8	8
09	Burdwan	09	4189	32	32
10	Nadia	10	1507	16	16
11	24-Parganas North	11	7518	60	60
12	Hooghly	12	2574	24	24

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
13	Bankura	13	374	8	8
14	Puruliya	14	454	8	8
15	Pashim Midnapur	15	948	8	8
16	Howrah	16	1575	16	16
16	Howrah	20	1357	16	16
17	Kolkata	21	7333	60	60
18	24-Parganas South	18	1813	16	16
19	Purba Midnapur	19	550	8	8
STATE Totals			34385	344	344
JHARKHAND (20)					
01	Garhwa	01	54	4	4
02	Palamau	02	141	4	4
03	Chatra	03	51	4	4
04	Hazaribagh	04	712	8	8
05	Kodarma	05	129	4	4
06	Giridihi	06	169	4	4
07	Deoghar	07	207	4	4
08	Godda	08	61	4	4
09	Sahibganj	09	132	4	4
10	Pakur	10	41	4	4
11	Dumka	11	87	4	4
12	Dhanbad	12	1838	12	12
13	Bokaro	13	1157	12	12
14	Ranchi	14	1025	12	12
15	Lohardaga	15	51	4	4
16	Gumla	16	56	4	4
17	Paschim Singhbhum	17	283	4	4
18	Purbi Singhbhum	18	1348	12	12
19	Latehar	19	31	4	4
20	Simdega	20	42	4	4
21	Jamtara	21	66	4	4
22	Saraikela Khareswan	22	171	4	4
STATE Totals			7852	124	124
ORISSA (21)					
01	BARAGARH	01	124	4	4
02	Jharsuguda	02	253	4	4
03	Sambalpur	03	345	4	4
04	Debagarh	04	24	4	4
05	Sundargarh	05	921	8	8

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
06	Keonjhar	06	325	4	4
07	Mayurbhanj	07	238	4	4
08	Baleshwar	08	289	4	4
09	Bhadrak	09	220	4	4
10	Kendrapara	10	112	4	4
11	Jagatsinghpura	11	120	4	4
12	Cuttak	12	914	8	8
13	Jajpur	13	110	4	4
14	Dhenkanal	14	144	4	4
15	Anugul	15	242	4	4
16	Nayagarh	16	56	4	4
17	Khordha	17	1100	8	8
18	Puri	18	291	4	4
19	Ganjam	19	810	4	4
20	Gajapati	20	83	4	4
21	Kandhamal (Phoolbani)	21	62	4	4
22	Boudh	22	28	4	4
23	Sonepur	23	71	4	4
24	Bolangir	24	185	4	4
25	Nuapara	25	41	4	4
26	Kalahandi	26	167	4	4
27	Rayagada	27	170	4	4
28	Nowarangpur	28	80	4	4
29	Koraput	29	255	4	4
30	Malkangiri	30	45	4	4
STATE Totals			7825	132	132
CHHATTISGARH (22)					
01	Koriya	01	281	4	4
02	Surguja	02	227	4	4
03	Jashpur	03	53	4	4
04	Raigarh	04	258	4	4
05	Korba	05	557	8	8
06	Janjgir-Champa	06	248	4	4
07	Bilaspur	07	686	12	12
08	Kawardha	08	79	4	4
09	Rajnandgaon	09	375	4	4
10	Durg	10	1843	12	12
11	Raipur	11	1375	12	12
12	Mahasamund	12	159	4	4
13	Dhamtari	13	143	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
14	Kanker	14	51	4	4
15	Bastar	15	201	4	4
16	Dantewada	16	84	4	4
STATE Totals			6620	92	92
MADHYA PRADESH (23)					
01	Sheopur	01	142	4	4
02	Morena	02	502	4	4
03	Bhind	03	515	4	4
04	Gwalior	04	1788	8	8
05	Datia	05	243	4	4
06	Shivpuri	06	346	4	4
07	Guna	07	323	4	4
08	Tikamgarh	08	355	4	4
09	Chhatarpur	09	620	4	4
10	Panna	10	192	4	4
11	Sagar	11	1055	8	8
12	Damoh	12	325	4	4
13	Satna	13	608	8	8
14	Rewa	14	554	4	4
15	Umaria	15	154	4	4
16	Shahdol	16	306	4	4
17	Sidhi	17	455	4	4
18	Neemuch	18	329	4	4
19	Mandsaur	19	374	4	4
20	Ratlam	20	631	8	8
21	Ujjain	21	1071	8	8
22	Shajapur	22	417	4	4
23	Dewas	23	587	8	8
24	Jhabua	24	190	4	4
25	Dhar	25	558	4	4
26	Indore	26	273	4	4
26	Indore	49	2699	12	12
27	West Nimar (Khargaoan)	27	286	4	4
28	Barwani	28	203	4	4
29	East Nimar (Khandwa)	29	318	4	4
30	Rajgarh	30	326	4	4
31	Vidisha	31	395	4	4
32	Bhopal	32	33	4	4
32	Bhopal	50	2440	12	12
33	Sehore	33	297	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
34	Raisen	34	303	4	4
35	Betul	35	394	4	4
36	Harda	36	152	4	4
37	Hoshangabad	37	533	4	4
38	Katni	38	366	4	4
39	Jabalpur	39	1700	8	8
40	Narsimhapur	40	261	4	4
41	Dindori	41	46	4	4
42	Mandla	42	151	4	4
43	Chhindwara	43	766	8	8
44	Seoni	44	191	4	4
45	Balaghat	45	334	4	4
46	Ashoknagar	46	195	4	4
47	Anuppur	47	386	4	4
48	Burhampur	48	338	4	4
STATE Totals			26026	248	248
GUJARAT (24)					
01	Kachchh	01	543	4	4
02	Bans Kantha	02	423	4	4
03	patan	03	392	4	4
04	Mahesana	04	723	4	4
05	Sabar Kantha	05	314	4	4
06	Gandhinagar	06	774	4	4
07	Ahmedabad	07	1751	12	8
07	Ahmedabad	26	5485	28	16
08	Surendranagar	08	595	4	4
09	Rajkot	09	2366	20	12
10	Jamnagar	10	1039	12	8
11	Porbandar	11	446	4	4
12	Junagadh	12	1186	8	4
13	Amreli	13	423	4	4
14	Bhavnagar	14	1516	12	8
15	Anand	15	702	8	4
16	Kheda	16	619	4	4
17	Panch Mahal	17	357	4	4
18	Dohad	18	230	4	4
19	Vadodara	19	332	4	4
19	Vadodara	27	2101	16	12
20	Narmada	20	85	4	4
21	Bharuch	21	550	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
22	Surat	22	470	4	4
22	Surat	28	3475	28	16
24	Navasari	24	563	4	4
25	Valsad	25	618	4	4
STATE Totals			28078	216	160
DAMAN & DIU (25)					
02	All districts	99	119	8	8
STATE Totals			119	8	8
DADRA & NGAR HAVELI (26)					
01	Dadar & Nagar Haveli	01	95	12	0
STATE Totals			95	12	0
MAHARASHTRA (27)					
01	Nandurbar	01	306	4	8
02	Dhule	02	751	8	12
03	jalgaon	03	1679	12	20
04	buldana	04	745	8	12
05	Akola	05	979	8	12
06	Washim	06	272	4	8
07	amaravati	07	1447	12	20
08	wardha	08	499	8	12
09	nagpur	09	868	8	12
09	nagpur	36	3133	24	36
10	Bhandara	10	278	4	8
11	Gondiya	11	219	4	8
12	gadchiroli	12	114	4	8
13	chandrapur	13	1154	8	12
14	yavatmal	14	686	8	12
15	nanded	15	1024	8	12
16	Hingoli	16	250	4	8
17	Parbhani	17	749	8	12
18	jalna	18	429	8	12
19	aurangabad	19	1504	12	20
20	nashik	20	1390	12	20
20	nashik	37	1457	12	20
21	thane	21	6410	40	60
21	thane	38	2027	16	24
21	thane	39	1641	16	24
22	Mumbai Suburban	40	18369	100	116

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
24	raigarh(kulaba)	24	891	8	12
25	pune	25	993	8	12
25	pune	41	1906	12	20
25	pune	42	4089	32	48
26	ahmadnagar	26	1122	12	20
27	bid	27	599	8	12
28	latur	28	726	8	12
29	osmanabad	29	335	4	8
30	solapur	30	1675	16	24
31	satara	31	574	8	12
32	ratnagiri	32	270	4	8
33	sindhudurg	33	129	4	8
34	kolhapur	34	1512	12	20
35	sangli	35	863	8	12
STATE Totals			64064	504	756
ANDHRA PRADESH (28)					
01	Adilabad	01	895	12	12
02	Nizamabad	02	577	8	8
03	Karimnagar	03	931	12	12
04	Medak	04	514	8	8
05	Hyderabad	05	272	8	8
05	Hyderabad	24	4481	56	56
06	Ranga reddy	06	3161	36	36
07	Mahboob nagar	07	481	8	8
08	Nalgonda	08	621	8	8
09	Warangal	09	941	12	12
10	Khammam	10	859	8	8
11	Srikakulam	11	391	8	8
12	Vizianagaram	12	662	8	8
13	Vishakhapatnam	13	2499	28	28
14	East Godavari	14	1780	20	20
15	West Godawari	15	1135	12	12
16	Krishna	16	2243	20	20
17	Guntur	17	1818	20	20
18	Prakasam	18	701	8	8
19	Nellore	19	918	12	12
20	Cuddapah	20	821	12	12
21	Kurnool	21	1175	16	16
22	Anantpur	22	1437	16	16
23	Chittoor	23	1009	16	16

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
STATE Totals			30322	372	372
KARNATAKA (29)					
01	BELGAUM	01	1441	12	12
02	BAGALKOTE	02	757	8	8
03	BIJAPUR	03	533	8	8
04	GULBARGA	04	1124	12	12
05	BIDAR	05	425	8	8
06	RAICHUR	06	556	8	8
07	KOPPAL	07	274	4	4
08	GADAG	08	538	8	8
09	DHARWAD	09	1321	12	12
10	UTTAR KANNAD	10	648	8	8
11	HAVERI	11	470	4	4
12	BELLARY	12	1001	12	12
13	CHITRADURGA	13	396	4	4
14	DAVANAGERE	14	761	8	8
15	SHIMOGA	15	769	8	8
16	UDUPI	16	354	4	4
17	CHIKMAGALUR	17	287	4	4
18	TUMKUR	18	889	8	8
19	KOLAR	19	1007	8	8
20	BANGALORE URBAN	20	2716	16	16
20	BANGALORE URBAN	28	6383	40	40
21	BANGALORE RURAL	21	562	8	8
22	MANDYA	22	391	4	4
23	HASSAN	23	402	8	8
24	DAKSHIN KANNAD	24	1134	12	12
25	KODAGU	25	88	4	4
26	MYSORE	26	1579	12	12
27	CHAMARAJNAGAR	27	204	4	4
STATE Totals			27010	256	256
GOA (30)					
01	Goa North	01	531	16	16
02	Goa South	02	514	20	20
STATE Totals			1045	36	36
LAKSHADWEEP (31)					

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
01	Lakshadweep	01	35	16	0
	STATE Totals		35	16	0
KERALA (32)					
01	Kasargod	01	245	8	12
02	Kannur	02	1592	32	48
03	Wayanand	03	49	4	8
04	Kozhikode	04	1645	32	48
05	Malapuram	05	528	12	16
06	Palakkad	06	505	12	16
07	Trichur	07	1345	24	36
08	Ernakulam	08	2420	32	48
09	Idukki	09	101	4	8
10	Kottayam	10	477	8	12
11	Alappuzm	11	977	16	24
12	Pathanamthitta	12	183	8	12
13	Kollam	13	706	12	20
14	Triruvananthapuram	14	1587	28	40
	STATE Totals		12360	232	348
TAMILNADU (33)					
01	Tiruvallur	01	2809	20	20
02	Chennai	32	7177	44	44
03	Kahchipuram	03	3270	24	24
04	Vellore	04	2194	20	20
05	Dharampuri	05	297	4	4
06	Thiruvannamalai	06	638	8	8
07	Villupuram	07	676	8	8
08	Salem	08	2413	20	20
09	Namakkal	09	928	8	8
10	Erode	10	1962	20	20
11	The Nilgiris	11	672	8	8
12	Coimbatore	12	5031	40	40
13	Dindigul	13	1126	12	12
14	Karur	14	540	8	8
15	Tiruchirapalli	15	1949	16	16
16	Perambalur	16	117	4	4
17	Ariyalur	17	129	4	4
18	Cuddalore	18	1197	12	12
19	Nagapattinam	19	523	8	8
20	Tiruvarur	20	368	4	4

Note on Sample Design and Estimation Procedure

Table 3: stratum size and allocation for urban sector					
district		stratum	size (Nst)	allocation	
code	name			central sample	state sample
(1)	(2)	(3)	(4)	(5)	(6)
21	Thanjavur	21	1282	12	12
22	Pudukottai	22	363	4	4
23	Sivgangai	23	560	8	8
24	Madurai	24	2300	20	20
25	Theni	25	1014	8	8
26	Virudhu Nagar	26	1254	12	12
27	Ramnathapuram	27	431	8	8
28	Toothukudi	28	1060	12	12
29	Tirunelveli	29	2052	20	20
30	Kanyakumari	30	1705	16	16
31	Krishnagiri	31	405	4	4
	STATE Totals		46442	416	416
	PONDICHERRY (34)				
01	yanam	01	56	4	4
02	pondicherry	02	828	40	40
03	mahe	03	54	4	4
04	karaikal	04	103	8	8
	STATE Totals		1041	56	56
	ANDAMAN & NICIBAR IS. (35)				
01	All districts	01	202	36	0
	STATE Totals		202	36	0
	ALL-INDIA Total		446633	5284	6396

Table 4: List of big towns (million plus population in census 2001) treated as individual stratum

sl. no.	name of town	state/ UT	State code	Stratum no.
1	Hyderabad	Andhra Pradesh	28	24
2	Patna	Bihar	10	39
3	Delhi Municipal Corporation	Delhi	07	10
4	Ahmedabad	Gujarat	24	26
5	Surat	Gujarat	24	28
6	Vadodara	Gujarat	24	27
7	Faridabad	Haryana	06	21
8	Bangalore	Karnataka	29	28
9	Bhopal	Madhya Pradesh	23	50
10	Indore	Madhya Pradesh	23	49
11	Greater Mumbai	Maharashtra	27	40
12	Kalyan-Dombivli	Maharashtra	27	38
13	Nagpur	Maharashtra	27	36
14	Nashik	Maharashtra	27	37
15	Pimprichinchwad	Maharashtra	27	41
16	Pune	Maharashtra	27	42
17	Thane	Maharashtra	27	39
18	Ludhiana	Punjab	03	19
19	Jaipur	Rajasthan	08	33
20	Chennai	Tamil Nadu	33	32
21	Agra	Uttar Pradesh	09	72
22	Kanpur	Uttar Pradesh	09	74
23	Lucknow	Uttar Pradesh	09	73
24	Meerut	Uttar Pradesh	09	71
25	Varanasi	Uttar Pradesh	09	75
26	Howrah	West Bengal	19	20
27	Kolkata	West Bengal	19	21