Government of India
National Sample Survey Organisation

Note on Sample Design

and

Estimation Procedure

FIFTYFIFTH ROUND
(July 1999 – June 2000)

Design & Estimation Procedure of 55th Round

1.1 Introduction: The 55th round of NSS is an integrated survey on household consumer expenditure, employment-unemployment and *informal* non-agricultural enterprises (other than those covered by the Annual Survey of Industries and other industrial categories of 'mining & quarrying' & 'electricity, gas and water supply'). The survey on household consumer expenditure and employment-unemployment is the sixth quinquennial survey in the series, the last one being conducted in the 50th round (1993-94) of NSS.

1.1.1 Salient feature: One salient feature of the 55th round is the *rotation sampling scheme* which is adopted for the first time in the NSS (**central sample only**) for the purpose of collection of **employment-unemployment data**. Under this scheme, 1 sub-sample of the sampled first stage units (FSU's) of each sub-round is revisited in the subsequent sub-round. From each such FSU, sample households visited in the previous sub-round for collecting data on employment-unemployment are revisited in the subsequent sub-round for collecting employment-unemployment details. In addition, for the purpose of collecting employment-unemployment data, a thin sample of 2 households is selected during the revisit from the frame of newly formed households in the FSU. [Note that the above scheme of *rotation sampling* for collecting employment-unemployment data is followed only for the FSU's belonging to the central sample. For state samples, the FSU's are visited only once as they appear in the sample list for canvassing various schedules in the selected households/ enterprises.]

1.1.2 Geographical coverage: The survey covers the whole of the Indian Union excepting (i) Ladakh & Kargil districts of Jammu & Kashmir, (ii) interior villages of Nagaland situated beyond 5 kms. of a bus route & (iii) villages of Andaman & Nicobar Islands remaining inaccessible throughout the year. All the villages of the country, uninhabited according to 1991 census, are also left out of the survey coverage of the NSS 55th round [as done in the earlier Rounds].

1.1.3 Period of Survey and Work Programme: The **fieldwork** of 55th round of NSS is from 1st July, 1999 to 30th June, 2000. As usual, the survey period of this round is divided into four sub-rounds, each with a duration of three months. The 1st sub-round period is from July to September 1999, 2nd sub-round period is from October to December 1999 and so on. Equal number of sample FSU's is allotted for survey in each of these four sub-rounds. Each FSU is surveyed during the sub-round period to which it is allotted. Within a particular sub-round, the fieldwork is spread out **uniformly** over different weeks/ months to the extent possible. As discussed in paragraph 1.1.1, 1 sub-sample of the sampled FSU's of each sub-round is revisited again (only for the central sample) in the subsequent sub-round for collecting employment-unemployment details from the sample households who were visited during the previous sub-round.

1.1.4 Schedules of enquiry: The following table gives the list of schedules of enquiry for the 55th round.

Table 1: Schedules canvassed in the NSS 55th round.

sl. no.	schedule no.	description	sector
(1)	(2)	(3)	(4)
1.	0.1	list of households and non-agricultural enterprises	rural
2.	0.2	list of households and non-agricultural enterprises	urban
3.	1.0	household consumer expenditure	rural & urban
4.	10	household schedule: employment & unemployment	-do-
5.	10.1*	household (revisit) schedule: employment & unemployment	-do-

6. 2.0 informal non-agricultural enterprises -do-

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* canvassed in the sample households revisited in the subsequent sub-round (central sample only)

1.1.5 Linking of sub-rounds x sub-samples x schedules of enquiry: Sample FSU's from each *first stage stratum* are drawn in the form of a number of independent sub-samples. There is a one-to-one correspondence between sub-round number x sub-sample number of the FSU x schedules canvassed in the FSU. The same is clarified below in a tabular form.

Sub-round	Sub-sample	Schedules canvassed in the FSU
1	1, 2	1.0, 10, 2.0
2	1	10.1 (in households revisited), 10 (in newly formed households and also in a few cases where the households surveyed in the previous visit have been substituted)
	3, 4	1.0, 10, 2.0
3	3	10.1 (in households revisited), 10 (in newly formed households and also in a few cases where the households surveyed in the previous visit have been substituted)
	5, 6	1.0, 10, 2.0
4	5	10.1 (in households revisited), 10 (in newly formed households and also in a few cases where the households surveyed in the previous visit have been substituted)
	7, 8	1.0, 10, 2.0

1.2 An outline of sampling design

A stratified sampling design has been adopted for selection of the sample first-stage units (FSU's). The FSU's are villages (panchayat wards for Kerala) for rural areas and Urban Frame Survey (UFS) blocks for urban areas. The Ultimate stage units (USU's) are enterprises for schedule 2.0 and households for schedule 1.0/ 10/ 10.1, which are selected by the method of circular systematic sampling from the corresponding frame in the FSU. Large FSU's are subdivided into hamlet groups (rural)/ sub-blocks (urban), that are grouped into two segments, and USU's are selected independently from each of these segments.

1.2.1 Identification and Selection of first stage units (FSU's)

1.2.2 Sampling Frame: List of villages (panchayat wards for Kerala) as per 1991 Census and latest lists of UFS blocks are respectively used for selection of rural and urban sample FSU's. For selection of sample villages from the State of Jammu & Kashmir, list of villages as per 1981 Census has been used as the sampling frame. It may be mentioned that all the uninhabited villages of the country as per 1991 Census, interior villages of Nagaland situated beyond 5 kms. of a bus route and inaccessible villages of Andaman & Nicobar Islands are left out of the survey coverage of the NSS 55th round.

1.2.3 Sample size (FSU's): A total number of 10,384 FSU's is selected for survey in the *central sample* at all-India level (rural & urban combined) in the 55th round. For *state samples*, there is a matching sample size as per the usual matching pattern being followed over the last few rounds. Sample size for the whole round for each State/UT x Sector (i.e. rural/ urban) are allocated equally among the 4 sub-rounds. Sample FSU's for each sub-round are selected afresh in the form of 2 independent sub-samples.

1.2.4 Formation of Stratum of FSU's

(a) **Rural**:

Two special strata are formed at the **State/ UT level,** viz.

Stratum 1: all FSU's with population between 1 to 100, and
Stratum 2: FSU's with population more than 15,000.

[Note: The above two strata are spread across a given state and are not confined to any particular administrative division within the state.]

Above strata of either type are formed if at least 50 such FSU's are there in the respective frames. Otherwise, they are merged with the general strata.

While forming general strata (consisting of FSU's other than those covered under strata 1 & 2), efforts have been made to treat each district as a separate stratum. If limitation of sample size does not allow forming so many strata, smaller districts within a particular NSS region are merged to form a stratum. Each district with rural population of 2 millions or more as per 1991 Census (1.8 millions or more as per 1981 Census in case of Jammu & Kashmir) is as usual split into a number of strata.

(b) **Urban**:

Strata are formed within NSS Regions as follows:

Stratum number	**Composition of strata by considering population of various towns as per the 1991 Census**
1, 3, 5 *	'hospital area' (HA) / 'industrial area' (IA) / 'bazaar area' (BA) blocks taken together of each single city with a population of 10 lakhs or more (there could be a maximum of 3 such cities within an NSS Region)
2, 4, 6 *	Other blocks of each single city with a population of 10 lakhs or more
7	HA or IA or BA blocks of all towns with population between 50,000 to less than 10 lakhs
8	Other blocks of all towns with population between 50,000 to less than 10 lakhs
9	HA or IA or BA blocks of all towns with population less than 50,000
10	Other blocks of all towns with population less than 50,000

* Stratum numbers 3, 4, 5 & 6 remain void if there is only one city in an NSS region with a population of 10 lakhs or more.

If limitation of sample size does not allow forming so many strata, all blocks of stratum 7 are merged with those of stratum 8 and all blocks of stratum 9 are merged with those of stratum 10.

1.2.5 Allocation of FSU's Among Strata: State/ UT level rural sample size is allocated among the rural strata in proportion to population. State/ UT level urban sample size is first allocated among the three classes of towns (i.e. 10 lakh +, 50000 to less than 10 lakhs and less than 50,000) in proportion to population. Then sample allocation for each of the three classes of towns, within an NSS region, is further allocated between two strata types consisting of - (i) HA/ IA/ BA blocks, and (ii) the rest in proportion to total number of FSU's in the respective frames with double weightage given to the first category of blocks. Stratum level allocations for both rural and urban areas of a sub-round are made in even numbers in order to facilitate selection of FSU's in the form of 2 independent sub-samples. Sub-sample numbers are 1 & 2 for sub-round 1; 3 & 4 for sub-round 2; 5 & 6 for sub-round 3 and 7 & 8 for sub-round 4.

1.2.6 Selection of FSU's: For each sub-round, sample FSU's from each stratum are selected in the form of **2 independent sub-samples** by following circular systematic sampling with **(a) probability proportional to population for all rural strata other than stratum 1, and (b) equal probability for rural stratum 1 as well as all urban strata.**

1.3 Identification and Selection of Ultimate Stage Unit within FSU

1.3.1 Formation of hamlet-group/ sub-block Depending upon the values of approximate present population (P) and approximate total number of non-agricultural enterprises (E), decision is taken to divide the FSU into a fixed number of hamlet-groups (hg's - the term applicable for rural samples) / sub-blocks (sb's - the term applicable for urban samples) as per the rules given below:

Value of P	No. of hg's/ sb's	value of E	no. of hg's/ sb's formed in

	formed in the FSU as per population criterion		the FSU as per enterprise criterion
(1)	(2)	(3)	(4)
Less than 1200	1 @	Less than 100	1 @
1200 – 1999	5	100 – 249	5
2000 – 2399	6	250 – 299	6
2400 – 2799	7	300 – 349	7
2800 – 3199	8	350 – 399	8
(and so on)		(and so on)	

@ no. of hb's/ sb's = '1' means the whole FSU is considered for listing.

[For rural areas of Himachal Pradesh, Sikkim and Poonch, Rajouri, Udhampur and Doda districts of Jammu & Kashmir, number of hg's formed in the village as per population criterion is : 1 for P < 600, 5 for P = 600 to 999, 6 for P = 1000 to 1199, 7 for P = 1200 to 1399, 8 for P = 1400 to 1599, and so on (procedure remains unchanged as per enterprise criterion)]

1.3.2 The number (D) of hamlet-groups (hg)/ sub-blocks (sb) formed in the FSU is such that the **higher** of the two values as per population and enterprise criteria is chosen. If value of P is less than 1200 (600 for certain hilly areas specified above) as well as value of E is less than 100 for an FSU, hg/ sb formation is not resorted to and the whole FSU is considered for listing.

1.3.3 In case hg's/ sb's are formed in the sample FSU, the same is done by more or less **equalizing** population.

1.3.4 Formation of Segments within FSU

The hg/ sb having **maximum** concentration of non-agricultural enterprises is selected with certainty for listing of households/ enterprises. This hg/ sb is referred to as **segment 1**. From the remaining (D-1) hg's/ sb's of the FSU, 2 more hg's/ sb's are selected circular systematically and these 2 selected hg's/ sb's together is referred to as **segment 2** for doing a combined listing of households/ enterprises. Thus listing of households/ enterprises is done only in segments 1 and 2 of the FSU. The FSU not requiring hg/ sb formation is to be treated as **segment 1** for the purpose of data collection and estimation.

1.3.5 Sampling frame of households/ enterprises

Having determined the area(s) considered for listing, all the households (including those found temporarily locked) and non-agricultural enterprises are listed in the next step. Although all non-agricultural enterprises are listed, only the 'informal non-agricultural enterprises' (other than ASI and mining & quarrying and electricity, gas & water supply) which operated at least 30 days (15 days for seasonal enterprises) during the last year **qualify** for survey. Such enterprises are referred to as '**eligible enterprises**'. Listing of households as well as eligible enterprises for the purpose of sample selection is independent for segments 1 & 2.

1.3.6 Stratification of households

All the households listed in a segment (both rural & urban) are stratified into two second stage strata, viz. '**affluent households**' (forming second stage stratum 1) and **the rest** (forming second stage stratum 2). In **rural** sector, a household is classified as 'affluent' if the household owns certain items like motor car/ jeep, colour TV, telephone, etc. or owns land / livestock in excess of certain limits. In **urban** sector, the households having MPCE (monthly per capita consumer expenditure) greater than certain limit for a given town/city are treated as 'affluent' households for the present survey and are included in the frame of second stage stratum 1, and rest of the urban households are included in the frame of second stage stratum 2.

1.3.7 Stratification of enterprises

All the eligible enterprises in a segment (both rural & urban) are stratified into **12 strata** by jointly considering their *broad industry group* and *enterprise class.* Eligible enterprises could belong to any of the 6 broad industry groups, viz. manufacturing - 1, construction - 2, trade & repair services - 3, hotels & restaurants - 4, transport, storage & communication - 5 and other service sector - 6. The enterprises are classified into 2

enterprise classes. Enterprise class of an enterprise is '1' if the entrepreneurial activity was pursued with no hired worker during the major part of the period of operation in the last year (in other words, enterprise class is '1' for Own Account Enterprises). Otherwise enterprise class is '2' (i.e. for Establishments). Thus there are 12 possible strata of various combinations of broad industry groups and enterprise classes.

1.3.8 Number of households/ enterprises selected for survey

The **number** of households/ enterprises selected for survey from each FSU in general is given below:-

seg-ment	Household allotment * (sch. 1.0/10 each)			enterprise allotment (sch. 2.0)												
	SSS			broad industry group												
	1	2	total	1		2		3		4		5		6		total
				Ent. class		ent. class		ent. Class		ent. class		ent. class		ent. class		
				1	2	1	2	1	2	1	2	1	2	1	2	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
FSU with hg/ sb formation:																
1	1	3	**4**	1	1	1	1	1	1	1	1	1	1	1	1	**12**
2	1	7	**8**	1	1	1	1	1	1	1	1	1	1	1	1	**12**
FSU with no hg/ sb formation:																
1	2	10	**12**	2	2	2	2	2	2	2	2	2	2	2	2	**24**

('SSS' means 2nd stage stratum and 'ent. class' means enterprise class)

* If the FSU is **revisited** in the next sub-round (this is applicable to **central sample** only), a sample of 2 additional households (one each from the 2 segments) is surveyed from out of all new households that may have come up during the last three months, forming 2nd stage strata 9. Thus, a total of 14 households are, generally, surveyed from the FSU at the time of revisit.

1.3.9 In the **Central sample**, if the **FSU is revisited** in the next quarter/ sub-round for collecting employment-unemployment data, all the households surveyed under schedule 10 in visit 1 are **revisited** for collection of employment-unemployment data afresh during visit 2. In addition, a **thin sample** of 2 households (1 each from segments 1 & 2 for the FSU's requiring hg/ sb formation) is selected for survey in visit 2 from the newly formed households (2nd stage strata 9) for collection of employment-unemployment data. It is **important** to note that when the same sample household is revisited, schedule 10.1 is canvassed during the revisit. But if it is either a newly formed household or a substitute of the earlier household surveyed in the previous sub-round (substitute necessitated due to difficulties in collecting information at the time of revisit) or casualty in visit 1 but could be surveyed in revisit, schedule 10 is canvassed.

1.3.10 General procedure of selection of households/ enterprises

Sample **households/ enterprises are selected from the respective frames by circular systematic sampling with equal probability**. For the purpose of systematic sampling, households in the frame of 2nd stage stratum 2 are arranged by means of livelihood x land possessed classes for rural samples and by means of livelihood x MPCE classes for urban samples. Enterprises under each stratum (i.e. segment x broad industry group x enterprise class) are arranged in the ascending order of NIC 2-digit codes (3-digit codes for hotels & restaurants) before sampling.

2. ESTIMATION PROCEDURE FOR 55th ROUND

2.0.1 Approach: This estimation procedure fulfils the twin objectives of providing (a) estimates on quarterly/ sub-round basis, and (b) the estimate of error from the sub-sample replicates. Tabulated estimate for a quarter/ sub-round is obtained by combining the estimates of the corresponding sub-sample replicates. Similarly, a tabulated estimate of the Round is obtained by combining the four sub-round-wise/ quarterly estimates.

2.0.2 The following notations are being used in this section:

a = subscript for the a-th stratum
r= subscript for the r-th sub-sample replicate (r=1,2,…,8)

q= subscript for the q-th sub-round / quarter (q=1,2,3 & 4)
f= subscript for the f-th sampled village/ block as First Stage Unit (FSU)
v= subscript for the v-th visit of sampled village/ block (v=1 & 2)
s= subscript for the s-th segment of sampled village/ block (s= 1 & 2)
c= subscript for the c-th 2nd stage stratum of households in the sampled village/ block (c= 1,2); for new hhs during revisit, c= 9.
g= subscript for the g-th broad group of industry (g=1,2,3,..,6)
t= subscript for the t-th enterprise class (t= 1 & 2)
j= subscript for the j-th sampled household
k= subscript for the k-th sampled enterprise
p= subscript for pooled estimate
z= size used for selection of an FSU from the sampling frame
Z= total of sizes in the sampling frame for the stratum
[Note: For urban sector, z=1 and Z=N which is the total number of UFS blocks (FSU's) in the frame.]
n= number of sampled FSU surveyed within a stratum and a sub-sample replicate (including zero cases but excluding casualty and not reported cases) and used for tabulation
L= number of sub-sample replicates surveyed and used for tabulation
D= number of hamlet-groups/ sub-blocks formed in rural/ urban sampled FSU
H= total number of households listed in the appropriate frame
h= number of sampled households surveyed and used for tabulation from the frame
E= total number of enterprises listed in the appropriate frame
e= number of sampled enterprises surveyed and used for tabulation from the frame
y, x= value of characteristic y, x obtained in the sample
$\hat{Y}, \hat{X}$ = estimated value of characteristic y, x obtained from the sample.

[Also, see sections 2.4 and 2.5.]

2.1 ESTIMATES OF AGGREGATES

In the formulae given in this section, $\hat{Y}$ is the estimate of aggregate of any characteristic y for a given stratum (**a**), and for a particular sub-round (**q**) and sub-sample replicate (**r**). These formulae [except (5) and (6)] are provided for the general case of FSU's having 2 segments 1 & 2. For the FSU's requiring no hg/ sb formation, the formula is identical to that given for segment 1 while the contribution from segment 2 is taken as zero.

Schedule 0.1/ 0.2

For estimating the number of households of 2nd stage stratum (c) from selection stage:

Rural

$$\hat{Y}_c = \frac{Z}{n}\sum_{f=1}^{n}\frac{1}{z_f}\sum_{s=1}^{2}B_{fsc} \qquad \ldots(1)$$

Here $B_{fsc} = H_{fsc}$, for segment 1 (s=1) and $B_{fsc} = \frac{D_f - 1}{2} \times H_{fsc}$, for segment 2 (s=2).

Urban

$$\hat{Y}_c = \frac{Z}{n}\sum_{f=1}^{n}\sum_{s=1}^{2}B_{fsc} \qquad \ldots(2)$$

Here $B_{fsc} = H_{fsc}$, for segment 1 (s=1) and $B_{fsc} = \frac{D_f - 1}{2} \times H_{fsc}$, for segment 2 (s=2).

For estimating the number of enterprises by broad group of industry (g) x enterprise class (t) from selection stage within a stratum and sub-sample replicate,

Rural

$$\hat{Y}_{gt} = \frac{Z}{n} \sum_{f=1}^{n} \frac{1}{z_f} \sum_{s=1}^{2} B_{fsgt} \qquad \ldots(3)$$

Here $B_{fsgt} = E_{fsgt}$, for segment 1 (s=1) and $B_{fsgt} = \frac{D_f - 1}{2} \times E_{fsgt}$, for segment 2 (s=2).

Urban

$$\hat{Y}_{gt} = \frac{Z}{n} \sum_{f=1}^{n} \sum_{s=1}^{2} B_{fsgt} \qquad \ldots(4)$$

Here $B_{fsgt} = E_{fsgt}$, for segment 1 (s=1) and $B_{fsgt} = \frac{D_f - 1}{2} \times E_{fsgt}$, for segment 2 (s=2).

For estimating the number of villages/ blocks possessing a characteristic,

Rural

$$\hat{Y} = \frac{Z}{n} \sum_{f=1}^{n} \frac{y_f}{z_f} \qquad \ldots(5)$$

Urban

$$\hat{Y} = \frac{Z}{n} \sum_{f=1}^{n} y_f \qquad \ldots(6)$$

Here, y=1 if the sampled village/ block possesses the characteristic, and y=0 otherwise.

Schedule 2.0

For estimating a characteristic of enterprises for a stratum of a sub-sample replicate from the selection frame based on a broad group of industry (g) x enterprise class (t):

Rural

$$\hat{Y}_{gt} = \frac{Z}{n} \sum_{f=1}^{n} \frac{1}{z_f} \sum_{s=1}^{2} B_{fsgt} \sum_{k=1}^{e_{fsgt}} y_{fsgtk} \qquad \ldots(7)$$

Here $B_{fsgt} = \frac{E_{fsgt}}{e_{fsgt}}$, for segment 1 (s=1) and $B_{fsgt} = \frac{D_f - 1}{2} \times \frac{E_{fsgt}}{e_{fsgt}}$, for segment 2 (s=2).

Urban

$$\hat{Y}_{gt} = \frac{Z}{n} \sum_{f=1}^{n} \sum_{s=1}^{2} B_{fsgt} \sum_{k=1}^{e_{fsgt}} y_{fsgtk} \qquad \ldots(8)$$

Here $B_{fsgt} = \frac{E_{fsgt}}{e_{fsgt}}$, for segment 1 (s=1) and $B_{fsgt} = \frac{D_f - 1}{2} \times \frac{E_{fsgt}}{e_{fsgt}}$, for segment 2 (s=2).

Note: For tabulating any characteristic from this detailed schedule, $\hat{Y} = \sum_g \sum_t \hat{Y}_{gt}$ is to be used.

Schedule 1.0/ 10

For estimating a characteristic of household from a given 2nd stage stratum (c) in the selection frame

Rural

$$\hat{Y}_c = \frac{Z}{n} \sum_{f=1}^{n} \frac{1}{z_f} \sum_{s=1}^{2} B_{fsc} \sum_{j=1}^{h_{fsc}} y_{fscj} \qquad \ldots(9)$$

Here $B_{fsc} = \frac{H_{fsc}}{h_{fsc}}$, for segment 1 (s=1) and $B_{fsc} = \frac{D_f - 1}{2} \times \frac{H_{fsc}}{h_{fsc}}$, for segment 2 (s=2).

Urban

$$\hat{Y}_c = \frac{Z}{n} \sum_{f=1}^{n} \sum_{s=1}^{2} B_{fsc} \sum_{j=1}^{h_{fsc}} y_{fscj} \qquad \ldots(10)$$

Here $B_{fsc} = \frac{H_{fsc}}{h_{fsc}}$, for segment 1 (s=1) and $B_{fsc} = \frac{D_f - 1}{2} \times \frac{H_{fsc}}{h_{fsc}}$, for segment 2 (s=2).

Note: For tabulating any characteristic from this detailed schedule, $\hat{Y} = \sum_c \hat{Y}_c$ is to be used.

Schedule 10.1 (Revisit)

Here, the formula for estimating any characteristic from sch. 10.1 is the same as that given for sch. 1.0/ 10.

Note: In Central sample, the estimate from re-visited FSU's is used as follows.

> Estimate from re-visited FSU's within a stratum is treated as an estimate from a sub-sample replicate for that stratum. The estimates of **common** characteristics from both **the schedules 10 & 10.1** are combined over different sub-sample replicates (i.e. with & without re-visited FSU's) to obtain the final estimate.

2.2.1 COMBINED ESTIMATE FROM SUB-SAMPLES

In the previous section, the estimate of a characteristic $\hat{Y}$ as obtained for a stratum (a), for a particular sub-round (q) and a sub-sample replicate (r), actually represent $\hat{Y}_{aqr}$. The combined /pooled estimate for a particular stratum and a particular sub-round is computed as the average of sub-sample replicate estimates and is given below:

$$\hat{Y}_{aq} = \frac{1}{L}\sum_{r=1}^{L}\hat{Y}_{aqr} \qquad \ldots(11)$$

2.2.2 ESTIMATE OF AGGREGATES FOR A SUB-ROUND AT STATE/ UT/ REGION LEVEL

If $\hat{Y}_{qr}$ be the State/ UT/ Region level aggregate from the r-th sub-sample replicate and q-th sub-round, and $\hat{Y}_{qp}$, the combined/ pooled estimate of the aggregate based on the whole sample, for a given sub-round/ quarter q, then

$$\hat{Y}_{qr} = \sum_{a}\hat{Y}_{aqr} \qquad \ldots(12)$$ based on sub-sample replicate group r,

and

$$\hat{Y}_{qp} = \frac{1}{L}\sum_{r=1}^{L}\hat{Y}_{qr} \qquad \ldots(13)$$ based on all sub-sample replicates.

2.2.3 ESTIMATES OF AGGREGATES FOR THE ROUND (i.e. all the 4 sub-rounds/ quarters together) AT STATE/ UT/ REGION LEVEL

The estimates of aggregates for the whole round are computed as the simple average of the sub-round estimates derived in section 2.2.2, and are given below:

$$\hat{Y}_{r} = \frac{1}{4}\sum_{q=1}^{4}\hat{Y}_{qr} \qquad \ldots(14)$$ based on sub-sample replicate1 and 2*,

and

$$\hat{Y}_{p} = \frac{1}{4}\sum_{q=1}^{4}\hat{Y}_{qp} \qquad \ldots(15)$$ based on whole sample.

***Note:** In the Round, sub-samples 1, 3, 5 & 7 (in sub-rounds 1 to 4) are combined together to form sub-sample replicate1 (annual) while sub-samples 2, 4, 6 & 8 (in sub-rounds 1 to 4) combine together to form sub-sample replicate 2 (annual). This is being followed in the remaining sections also.

Stratum level estimate for the Round is obtained similarly.

2.2.4 ESTIMATES OF RATIO

If $\hat{X}$ & $\hat{Y}$ be the State/ UT/ Region level aggregate estimate corresponding to variables x and y, then the estimate of ratio is given below:

$$\hat{R}_{r} = \frac{\hat{Y}_{r}}{\hat{X}_{r}} \qquad \ldots(16)$$ based on sub-sample group r,

and

$$\hat{R}_{p} = \frac{\hat{Y}_{p}}{\hat{X}_{p}} \qquad \ldots(17)$$ based on the whole sample.

(The formulae for $\hat{X}$ are obtained similarly by replacing $\hat{Y}$ by $\hat{X}$ and y by x in the above formulae stated in previous sections.)

Note: Estimates for the sub-round (/quarter) $\hat{R}_{qr}$ and $\hat{R}_{qp}$ may also be obtained by replacing $\hat{Y}_r$ and $\hat{Y}_p$ by $\hat{Y}_{qr}$ and $\hat{Y}_{qp}$, respectively and $\hat{X}_r$ and $\hat{X}_p$ by $\hat{X}_{qr}$ and $\hat{X}_{qp}$, respectively.

2.2.5 ERROR ESTIMATE

The estimated variances of pooled estimates* (as computed above) are calculated on the basis of sub-sample replicate estimates of strata over State/ UT/ Region and obtained as follows:

$$\hat{Var}(\hat{Y}_p) = \frac{1}{L(L-1)} \sum_a \sum_{r=1}^{L} (\hat{Y}_{ar} - \hat{Y}_{ap})^2 \qquad \ldots(18)$$

$$\hat{MSE}(\hat{R}_p) = \frac{1}{L(L-1)\hat{X}_p^{\,2}} \sum_a \sum_{r=1}^{L} [(\hat{Y}_{ar} - \hat{Y}_{ap})^2 + \hat{R}_p^{\,2}(\hat{X}_{ar} - \hat{X}_{ap})^2 - 2\hat{R}_p(\hat{Y}_{ar} - \hat{Y}_{ap})(\hat{X}_{ar} - \hat{X}_{ap})]$$

(approx.) ...(19)

Note: Such estimates for the quarter may also be obtained by suitable replacement as stated in **2.2.4**.

For the combined estimates of schedules 10 and 10.1 in the Central sample, following may be noted:

As the sample design is circular systematic in the first stage selection and without replication into sub-samples in the re-visited sampled units, an estimate of the variance (upper bound) for estimate of a common characteristic, obtained by combining estimates from both the **schedules 10 & 10.1 in the Central sample,** is computed by using estimates of sub-sample replicates from schedule 10 only for the Round as a whole.

2.3 TREATMENT FOR CASUALTY

2.3.1 SCHEDULE 2.0

I) If $E_{fsgt} > 0$ but $e_{fsgt} = 0$ for a particular frame of enterprises (i.e. for a broad industry group x enterprise class) in a FSU with no hamlet-group/ sub-block formation (i.e. $D_f = 1$), it is a case of casualty and the value of n will be reduced by 1.

II) If $D_f > 1$ and $E_{fs'gt} > 0$ but $e_{fs'gt} = 0$ for s=1 (say, s′) and if it is not a case for the entire FSU, here n will not be reduced by 1 and in this case $[(D_f-1)/2]x\ E_{fsgt}$ will be replaced by $\{ E_{fs'gt} + [(D_f-1)/2]x\ E_{fsgt} \}$ in the formula for s=2.

III) If $D_f > 1$ and $E_{fs'gt} > 0$ but $e_{fs'gt} = 0$ for s=2 (say, s′) and if it is not a case for the entire FSU, here n will not be reduced by 1 and in this case E_{fsgt} will be replaced by $\{ E_{fsgt} + [(D_f-1)/2]x\ E_{fs'gt} \}$ in the formula for s=1.

IV) If $E_{fsgt} > 0$ but $e_{fsgt} = 0$ in a particular frame of enterprises (i.e. for a broad industry group x enterprise class) for both the segments (s = 1 & 2) in an FSU, it is a case of casualty and the value of n will be reduced by 1.

2.3.2 SCHEDULE 1.0/ 10/ 10.1

I) If $H_{fsc} > 0$ but $h_{rfsc} = 0$ for a particular 2nd stage stratum of households in a FSU with no hamlet-group/ sub-block formation (ie. $D_f = 1$), it is a case of casualty and the value of n will be reduced by 1.

II) If $D_f > 1$ and $H_{fs'c} > 0$ but $h_{fs'c} = 0$ for s=1 (say, s′) and if it is not a case for the entire FSU, here n will not be reduced by 1 and in this case $[(D_f-1)/2] \times H_{fsc}$ will be replaced by $\{H_{fs'c} + [(D_f-1)/2] \times H_{fsc}\}$ in the formula for s=2.

III) If $D_f > 1$ and $H_{fs'c} > 0$ but $h_{fs'c}=0$ for s=2 (say, s′) and if it is not a case for the entire FSU, here n will not be reduced by 1 and in this case, H_{fsc} will be replaced by $\{H_{fsc} + [(D_f-1)/2] \times H_{fs'c}\}$ in the formula for s=1.

IV) If $H_{fsc} > 0$ but $h_{fsc}=0$ for a particular 2nd stage stratum of households in both the segments (s = 1 & 2) in an FSU, it is a case of casualty and the value of n will be reduced by 1.

Cases with n = 0 at stratum level, if any, may be referred to SDRD for suggesting measures before tabulation.

2.4 REFERENCES TO VALUES OF Z, n, D_f, E_{fsgt}, H_{fsc}, e_{fsgt}, h_{fsc}

a) The values of Z (i.e. total size of villages/ no. of urban blocks in the frame of a-th stratum) is given in the appendix for rural and urban sectors .
b) The value of D_f is the entry in item-17/block-1 in schedule 0.1/0.2.

c) The block-6, 6A & 7 of schedule 0.1/0.2 provides for the value of H_{fsc} & $E_{fsgt.}$

d) The values of n for each type of schedule are to be obtained by counting the number of sampled FSU's (i.e. villages/ blocks) within a given stratum and a sub-sample replicate for which schedules for the given selection are available for tabulation {including uninhabited village/ block (if sampled) and zero cases for which schedules may not be available} after adjusting for casualty as given in the section 2.3 .

2.5 Some comments on subscripts and factors used in this round

It may be noted that this sample design does not strictly correspond to the earlier surveys but some similarities exist. Those familiar with estimation procedure of the earlier rounds may note the following correspondence:

Old	New
$\mathbf{N_s}$	**n** (restricted to stratum, sub-sample, sub-round for a given formula)
$\mathbf{D_{si}}$	$\mathbf{D_f}$(restricted to stratum, sub-sample, sub-round for a given formula)
I	**f** (i.e. subscript for FSU)
S	**a** (i.e. subscript for stratum)

These modifications were adopted to (i) avoid confusion over **s** related to stratum/ sub-round/ sub-sample/ 2nd stage-stratum and (ii) to make subscripts mnemonic as far as possible.

Mathematical expression for the multiplier at FSU (f) level in differing cases for a given first stage stratum, sub-round and sub-sample

Formula Group- I

Sl.	Schedule	Sector	Broad industry group (g)**	Enterprise class (t)**	segment –I s=1	Segment –II s=2	Stratum weight (common to FSU)	Sub-sample replicate weight for combining together	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	2.0	R	g	t	E_{fsgt}/e_{fsgt}	$[(D_f-1)/2]$ x E_{fsgt}/e_{fsgt}	$Z/(z_f \times n)$	½*	
2.		U	g	t	E_{fsgt}/e_{fsgt}	$[(D_f-1)/2]$ x E_{fsgt}/e_{fsgt}	Z/n	½*	

Formula Group- II

Sl.	Schedule	Sector	2nd stage stratum (c)	segment -I s=1	Segment –II s=2	Stratum weight (common to fsu)	Sub-sample replicate weight for combining together	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
3.	1.0	R	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2]$ x H_{fsc}/h_{fsc}	$Z/(z_f \times n)$	½*	
4.		U	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2]$ x H_{fsc}/h_{fsc}	Z/n	½*	

* Here the number of sub-sample replicates is 2, i.e. L = 2, for the State/ Central sample processed separately.

** As per selection frame.

<u>Note</u>: Multiplier is to be modified for treatment of casualty as per rules stated in section 2.3.

Mathematical expression for the multiplier at FSU (f) level in differing cases for a given first stage stratum, sub-round and sub-sample

Formula Group - III

Sl. no.	Schedule	sector	Visit (v)	2nd stage stratum (c)	Segment -I s=1	Segment -II s=2	stratum weight (common to FSU)	Sub-sample replicate weight (W) for combining together	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5.	10	R	v=1	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2]$ x	$Z/(z_f \times n)$	W_r	FSU (not re-

						H_{fsc}/h_{fsc}			visited)
6.	10	R	v=2	c=9	H_{fsc}/h_{fsc}	$[(D_f-1)/2] \times H_{fsc}/h_{fsc}$	$Z/(z_f \times n)$	W_{r1}	FSU (re-visited)
7.	& 10.1	R	v=2	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2] \times H_{fsc}/h_{fsc}$	$Z/(z_f \times n)$	W_{r1}	FSU(re-visited)
8.	10	U	v=1	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2] \times H_{fsc}/h_{fsc}$	Z/n	W_r	FSU (not re-visited)
9.	10	U	v=2	c=9	H_{fsc}/h_{fsc}	$[(D_f-1)/2] \times H_{fsc}/h_{fsc}$	Z/n	W_{r1}	FSU (re-visited)
10.	& 10.1	U	v=2	c=1 & 2	H_{fsc}/h_{fsc}	$[(D_f-1)/2] \times H_{fsc}/h_{fsc}$	Z/n	W_{r1}	FSU (re-visited)

For **state sample** where there are no re-visited FSU's and there are 2 sub-sample replications, $W_r = 1/2$ and L = 2.

For **central sample where there are re-visited FSU's** in a sub-round (i.e. sub-round 2, 3 or 4) and tabulation is done by combining estimate of variables from both 're-visited' FSU's and 'not re-visited' FSU's (i.e. sampled independently afresh) in the same sub-round, the re-visited sample FSU's will be treated as a separate sub-sample so that $W_r = 1/3$ & $W_{r1} = 1/3$, and L = 3, unless otherwise stated in the tabulation plan (for exclusion of estimates from 're-visited' FSU's, then L = 2 and $W_r = 1/2$ & $W_{r1} = 0$). If sub-round is 1, then $W_r = 1/2$ always.

<u>Note</u>: Multiplier is to be modified for treatment of casualty as per rules stated in section 2.3.

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

TABLE(1) : Allocation of FSU's for NSS 55th Round.

State / U.T.	Central sample			State sample	
	Rural	Urban	Total	Rural	Urban
A.P.	432	320	752	432	320
Ar. Pradesh	80	24	104	80	24
Assam	296	72	368	296	72
Bihar	624	192	816	624	192
Goa	16	24	40	24	32
Gujarat	208	232	440	208	232
Haryana	96	64	160	96	64
H.P.	144	80	224	144	80
J & K	208	128	336	416	256
Karnataka	232	208	440	232	208
Kerala	240	168	408	240	168
M.P.	432	264	696	432	264
Maharashtra	352	440	792	352	656
Manipur	64	56	120	128	112
Meghalaya	80	32	112	80	32
Mizoram	40	72	112	40	72
Nagaland	40	24	64	40	72
Orissa	296	88	384	296	88
Punjab	184	160	344	184	160
Rajasthan	272	168	440	272	168
Sikkim	88	24	112	88	24
Tamil Nadu	352	360	712	352	360
Tripura	136	48	184	136	48
U.P.	792	392	1184	792	392
W.B.	384	288	672	384	288
A & N Is.	24	16	40	0	0
Chandigarh	16	64	80	0	64
D & N Haveli	16	8	24	0	0
Daman & Diu	16	16	32	8	24
Delhi	16	96	112	48	288
Lakshadweep	8	16	24	0	0
Pondicherry	24	32	56	24	32
All India	6208	4176	10384	6448	4792

Note: Allocation is equally distributed among the 4 sub-rounds divided into 2 sub-samples each for a given state and ,also, for a given stratum .

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
ANDHRA PRADESH						
02	Stratum 1		01	1773	8	8
02	Stratum 2		02	1784888	16	16
021	Srikakulam	01	03	1059272	8	8
021	Srikakulam	01	04	973136	8	8
021	Vizianagaram	02	05	1722245	16	16
021	Visakhapatnam	03	06	1902946	16	16
021	East Godavari	04	07	1618539	16	16
021	East Godavari	04	08	1590183	16	16
021	West Godavari	05	09	1461266	16	16
021	West Godavari	05	10	1306071	8	8
021	Krishna	06	11	1286713	8	8
021	Krishna	06	12	1030338	8	8
021	Guntur	07	13	1411007	16	16
021	Guntur	07	14	1317700	16	16
021	Prakasam	08	15	1094785	8	8
021	Prakasam	08	16	1044811	8	8
021	Nellore	09	17	1773614	16	16
022	Mahbubnagar	14	18	1405176	16	16
022	Mahbubnagar	14	19	1276281	8	8
022	Rangareddy	15	20	1345989	16	16
022	Medak	17	21	1943643	16	16
022	Nizamabad	18	22	1627912	16	16
022	Adilabad	19	23	1543868	16	16
022	Karimnagar	20	24	1190759	8	8
022	Karimnagar	20	25	1174188	8	8
022	Warangal	21	26	1139579	8	8
022	Warangal	21	27	1076430	8	8
022	Khammam	22	28	1670475	16	16
022	Nalgonda	23	29	1246719	8	8
022	Nalgonda	23	30	1190391	8	8
023	Anantapur	12	31	1210155	8	8
023	Anantapur	12	32	1160871	8	8
023	Kurnool	13	33	1057954	8	8
023	Kurnool	13	34	1020876	8	8
024	Chittoor	10	35	1380062	16	16
024	Chittoor	10	36	1183031	8	8
024	Cuddapah	11	37	1621128	16	16
ARUNACHAL PRADESH						
03	Stratum 1		01	1913	8	8
031	Tawang	01	03	24556	8	8
031	East kameng	03	04	91855	8	8
031	Upper subansiri	05	05	125803	8	8
031	West siang	06	06	65867	8	8
031	East siang	07	07	82705	8	8
031	Dibang valley	08	08	31055	8	8
031	Lohit	09	09	73049	8	8
031	Changlang	10	10	90202	8	8
031	Tirap	11	11	77264	8	8
ASSAM						
04	Stratum 1		01	2610	8	8
041	Lakhimpur	10	03	697670	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
041	Dhemaji	11	04	463252	8	8
041	Golaghat	14	05	774897	16	16
041	Jorhat	15	06	734998	8	8
041	Sibsagar	16	07	840178	16	16
041	Dibrugarh	17	08	852436	16	16
041	Tinsukia	18	09	796375	16	16
041	Karimganj	21	10	763991	8	8
041	Hailakandi	22	11	414313	8	8
041	Cachar	23	12	1090863	16	16
042	Dhubri	01	13	1065790	16	16
042	Kokrajhar	02	14	748492	8	8
042	Bongaigaon	03	15	731273	8	8
042	Goalpara	04	16	613661	8	8
042	Barpeta	05	17	1286407	16	16
042	Nalbari	06	18	991338	16	16
042	Kamrup	07	19	1340342	16	16
042	Darrang	08	20	1233097	16	16
042	Sonitpur	09	21	1313984	16	16
042	Marigaon	12	22	605109	8	8
042	Nagaon	13	23	1683017	24	24
043	Karbi Anglong	19	24	532208	8	8
043	North Cachar Hills	20	25	104155	8	8
BIHAR						
05	Stratum 1		01	5161	8	8
05	Stratum 2		02	1933673	16	16
051	Godda	28	03	820049	8	8
051	Sahibganj	29	04	647596	8	8
051	Dumka	30	05	1377227	8	8
051	Deoghar	31	06	784941	8	8
051	Dhanbad	32	07	969308	8	8
051	Giridih	33	08	1371557	8	8
051	Hazaribag	34	09	1166142	8	8
051	Palamu	35	10	1532698	16	16
051	Lohardaga	36	11	256204	8	8
051	Gumla	37	12	1100190	8	8
051	Ranchi	38	13	1478263	16	16
051	Purbi singhbhum	39	14	753360	8	8
051	Pashchimi singhbhum	40	15	1493839	16	16
051	Pakur	48	16	527290	8	8
051	Bokaro	49	17	804422	8	8
051	Kodarma	50	18	556833	8	8
051	Chatra	51	19	568816	8	8
051	Garhwa	52	20	770678	8	8
052	Saran	09	21	1262609	8	8
052	Saran	09	22	1038588	8	8
052	Siwan	10	23	1126650	8	8
052	Siwan	10	24	926660	8	8
052	Gopalganj	11	25	1589217	16	16
052	Pashchim champaran	12	26	1167362	8	8
052	Pashchim champaran	12	27	858282	8	8
052	Purba champaran	13	28	1436104	8	8
052	Purba champaran	13	29	1274857	8	8
052	Sitamarhi	14	30	1104444	8	8
052	Sitamarhi	14	31	1017343	8	8
052	Muzaffarpur	15	32	1493959	16	16

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
052	Muzaffarpur	15	33	1107081	8	8
052	Vaishali	16	34	1982322	16	16
052	Samastipur	18	35	1422392	8	8
052	Samastipur	18	36	1081215	8	8
052	Darbhanga	19	37	1177680	8	8
052	Darbhanga	19	38	995198	8	8
052	Madhubani	20	39	1365197	8	8
052	Madhubani	20	40	1242152	8	8
052	Saharsa	21	41	982681	8	8
052	Madhepura	22	42	1006128	8	8
052	Purnia	23	43	1642594	16	16
052	Katihar	24	44	1601550	16	16
052	Araria	41	45	1492616	16	16
052	Kishanganj	42	46	882698	8	8
052	Supaul	45	47	1219201	8	8
053	Patna	01	48	1143601	8	8
053	Patna	01	49	981731	8	8
053	Nalanda	02	50	1701524	16	16
053	Bhojpur	03	51	1537298	16	16
053	Rohtas	04	52	1454183	8	8
053	Aurangabad	05	53	1417936	8	8
053	Jehanabad	06	54	1099316	8	8
053	Gaya	07	55	1222389	8	8
053	Gaya	07	56	1079249	8	8
053	Nawada	08	57	1246892	8	8
053	Begusarai	17	58	1424128	8	8
053	Khagaria	25	59	829384	8	8
053	Munger	26	60	1551187	16	16
053	Bhagalpur	27	61	1331895	8	8
053	Buxar	43	62	851253	8	8
053	Bhabua	44	63	1124524	8	8
053	Jamui	46	64	965736	8	8
053	Banka	47	65	1236115	8	8
GOA						
061	North Goa	01	03	439200	8	16
061	South Goa	02	04	250841	8	8
GUJRAT						
07	Stratum 1		01	397	8	8
071	Vadodara	15	03	1132809	8	8
071	Panchmahals	14	04	1270007	8	8
071	Dangs	19	05	708061	8	8
071	Surat	17	06	1214752	8	8
071	Valsad	18	07	1269655	8	8
072	Sabarkantha	09	08	1071768	8	8
072	Gandhinagar	11	09	2149957	16	16
072	Ahmadabad	12	10	1214890	8	8
072	Kheda	13	11	1394321	8	8
072	Kheda	13	12	1261509	8	8
073	Panchmahals	14	13	1370281	8	8
073	Vadodara	15	14	1129821	8	8
073	Bharuch	16	15	634922	8	8
073	Valsad	18	16	835650	8	8
074	Mahesana	10	17	1228693	8	8
074	Kachchh	07	18	870090	8	8
074	Banaskantha	08	19	1941119	16	16

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
075	Jamnagar	01	20	931357	8	8
075	Rajkot	02	21	1329881	8	8
075	Bhavnagar	04	22	1486570	8	8
075	Amreli	05	23	982793	8	8
075	Junagadh	06	24	1612732	16	16
HARYANA						
08	Stratum 1		01	180	8	16
081	Yamunanagar	02	03	1262139	8	16
081	Kaithal	04	04	1183413	8	16
081	Panipat	06	05	1248794	8	16
081	Faridabad	09	06	1335934	8	16
081	Rohtak	08	07	1422824	8	16
081	Gurgaon	10	08	912216	8	16
082	Mahendragarh	12	09	1124959	8	16
082	Bhiwani	13	10	942831	8	16
082	Jind	14	11	797560	8	16
082	Hisar	15	12	1454848	8	16
082	Sirsa	16	13	711843	8	16
HIMACHAL PRADESH						
09	Stratum 1		01	5280	8	8
091	Chamba	01	03	353968	8	8
091	Kangra	02	04	1066731	32	32
091	Hamirpur	03	05	315895	8	8
091	Una	04	06	338613	8	8
091	Bilaspur	05	07	266404	8	8
091	Mandi	06	08	686560	24	24
091	Lahul & Spiti	08	09	305428	8	8
091	Shimla	09	10	448810	16	16
091	Solan	10	11	267539	8	8
09188	Sirmaur	11	12	329294	8	8
091	Kinnaur	12	13	68603	8	8
JAMMU & KASHMIR						
10	Stratum 1		01	406	8	16
101	Kathua	11	03	331871	16	32
101	Jammu	12	04	475538	24	48
102	Doda	09	05	407313	16	32
102	Udhampur	10	06	431519	16	32
102	Rajauri	13	07	281293	16	32
102	Punch	14	08	215671	8	16
103	Anantnag	01	09	569637	24	48
103	Pulwama	02	10	359261	16	32
103	Srinagar	03	11	137987	8	16
103	Badgam	04	12	311151	16	32
103	Baramula	05	13	579250	24	48
103	Kupwara	06	14	321365	16	32
KARNATAKA						
11	Stratum 1		01	1792	8	8
111	Dakshin kannad	09	03	1931670	16	16
111	Uttar kannad	20	04	915960	8	8
112	Chikmagalur	07	05	840896	8	8
112	Hassan	12	06	1283595	8	8
112	Kodagu	13	07	410154	8	8
112	Shimoga	18	08	1395283	8	8
113	Bangalore	01	09	668303	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
113	Bangalore rural	02	10	1364304	8	8
113	Kolar	14	11	1689031	8	8
113	Mandya	15	12	1373232	8	8
113	Mysore	16	13	1266746	8	8
113	Mysore	16	14	952758	8	8
113	Tumkur	19	15	1913551	8	8
114	Belgaum	03	16	1605371	8	8
114	Belgaum	03	17	1135727	8	8
114	Bellary	04	18	1325102	8	8
114	Bidar	05	19	1009795	8	8
114	Bijapur	06	20	1142230	8	8
114	Bijapur	06	21	1096730	8	8
114	Chitradurga	08	22	1589272	8	8
114	Dharwad	10	23	1194121	8	8
114	Dharwad	10	24	1084116	8	8
114	Gulbarga	11	25	1971256	16	16
114	Gulbarga	11	26	1972638	16	16
114	Raichur	17	27	1828195	8	8
KERALA						
121	Kasaragod	01				
121	Kannur	02	04	1757362	16	16
121	Wayanad	03	05	649179	8	8
121	Kozhikode	04	06	1173928	16	16
121	Kozhikode	04	07	756535	8	8
121	Malappuram	05	08	1515624	16	16
121	Malappuram	05	09	1321430	16	16
121	Palakkad	06	10	1193523	16	16
121	Palakkad	06	11	902427	8	8
122	Thrissur	07	12	1259413	16	16
122	Thrissur	07	13	1133025	8	8
122	Ernakulam	08	14	1860126	16	16
122	Idukki	09	15	1037410	8	8
122	Kottayam	10	16	1610750	16	16
122	Alappuzha	11	17	1582714	16	16
122	Pathanamthitta	12	18	1031435	8	8
122	Kollam	13	19	1109744	8	8
122	Kollam	13	20	962961	8	8
122	Thiruvananthapuram	14	21	1249116	16	16
122	Thiruvananthapuram	14	22	865869	8	8
MADHYA PRADESH						
13	Stratum 1		01	5141	8	8
131	Surguja	39	03	1825542	16	16
131	Bilaspur	40	04	1571828	16	16
131	Bilaspur	40	05	1572022	16	16
131	Raigarh	41	06	1555606	16	16
131	Rajnandgaon	42	07	1203878	8	8
131	Durg	43	08	1549752	16	16
131	Raipur	44	09	1621177	16	16
131	Raipur	44	10	1505885	16	16
131	Bastar	45	11	2083765	16	16
132	Tikamgarh	07	12	779572	8	8
132	Panna	09	13	1523841	8	8
132	Satna	12	14	1164824	8	8
132	Rewa	13	15	1297180	8	8
132	Shahdol	14	16	1369945	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
132	Sidhi	15	17	1273025	8	8
133	Sagar	10	18	1157784	8	8
133	Damoh	11	19	727912	8	8
133	Vidisha	27	20	769450	8	8
133	Sehore	29	21	953648	8	8
133	Raisen	30	22	732414	8	8
134	Mandsaur	16	23	1190806	8	8
134	Ratlam	17	24	657242	8	8
134	Ujjain	18	25	835759	8	8
134	Shajapur	19	26	848669	8	8
134	Dewas	20	27	762822	8	8
134	Jhabua	21	28	1029385	8	8
134	Dhar	22	29	1182333	8	8
134	Rajgarh	26	30	1374170	8	8
135	Jabalpur	33	31	1435132	16	16
135	Narsimhapur	34	32	663780	8	8
135	Mandla	35	33	1187336	8	8
135	Chhindwara	36	34	1200004	8	8
135	Seoni	37	35	901735	8	8
135	Balaghat	38	36	1232167	8	8
136	Khargone	24	37	1718850	16	16
136	East Nimar (Khandwa)	25	38	1036235	8	8
136	Betul	31	39	958367	8	8
136	Hoshangabad	32	40	915199	8	8
137	Morena	01	41	1356006	8	8
137	Bhind	02	42	967052	8	8
137	Datia	04	43	887106	8	8
137	Shivpuri	05	44	955839	8	8
137	Guna	06	45	1044100	8	8
MAHARASTRA						
14	Stratum 1		01	1638	8	8
141	Thane	02	03	1854045	16	16
141	Raigarh	03	04	1493913	8	8
141	Ratnagiri	04	05	1404823	8	8
141	Sindhudurg	05	06	768425	8	8
142	Ahmadnagar	09	07	1634285	8	8
142	Ahmadnagar	09	08	1204956	8	8
142	Pune	10	09	1589300	8	8
142	Pune	10	10	1133804	8	8
142	Satara	11	11	1092339	8	8
142	Satara	11	12	1041214	8	8
142	Sangli	12	13	1706860	16	16
142	Solapur	13	14	1337891	8	8
142	Solapur	13	15	963397	8	8
142	Kolhapur	14	16	1283422	8	8
142	Kolhapur	14	17	918498	8	8
143	Nashik	06	18	1391436	8	8
143	Nashik	06	19	1090338	8	8
143	Dhule	07	20	2013301	16	16
143	Jalgaon	08	21	1237074	8	8
143	Jalgaon	08	22	1074404	8	8
144	Aurangabad	15	23	1486272	8	8
144	Jalna	16	24	1133005	8	8
144	Parbhani	17	25	1639258	16	16
144	Bid	18	26	1494596	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
144	Nanded	19	27	1823345	16	16
144	Osmanabad	20	28	1082266	8	8
144	Latur	21	29	1334674	8	8
145	Buldana	22	30	1495543	8	8
145	Akola	23	31	1575977	8	8
145	Amravati	24	32	1475175	8	8
145	Yavatmal	25	33	1715788	16	16
145	Wardha	26	34	779776	8	8
145	Nagpur	27	35	1249490	8	8
146	Bhandara	28	36	1828706	16	16
146	Chandrapur	29	37	1270878	8	8
146	Gadchiroli	30	38	701642	8	8
MANIPUR						
15	Stratum 1		01	400	8	16
151	Thoubal	05	03	186430	8	16
151	Bishnupur	06	04	117603	8	16
151	Imphal	07	05	418974	16	32
152	Senapati	01	06	200642	8	16
152	Churachanpur	03	07	219155	8	16
152	Ukhrul	08	08	162942	8	16
160	Meghalaya			0	0	0
160			01	1613	8	8
161	Jaintia hills	01	03	194489	8	8
161	East Khasi hills	02	04	296126	16	16
161	West Khasi hills	03	05	190887	8	8
161	East Garo hills	04	06	164120	8	8
161	West Garo hills	05	07	333760	16	16
161	Ri-Bhoi	06	08	117598	8	8
161	South Garo hills	07	09	53437	8	8
						MIZORAM
17	Stratum 1		01	72	8	8
171	Aizawl	01	03	217307	16	16
171	Lunglei	02	04	65209	8	8
171	Chhimtuipui	03	05	85176	8	8
NAGALAND						
181	Kohima	01	03	150815	16	16
181	Zunheboto	03	04	90638	8	8
181	Mokokchung	05	05	98691	8	8
181	Mon	07	06	83115	8	8
ORISSA						
19	Stratum 1		01	7209	8	8
191	Baleshwar	05	03	1523245	16	16
191	Cuttack	06	04	1562037	16	16
191	Ganjam	12	05	1187961	16	16
191	Ganjam	12	06	1118266	16	16
191	Puri	13	07	1136000	16	16
191	Bhadrak	14	08	992722	8	8
191	Jagatsinghpur	15	09	852798	8	8
191	Jajpur	16	10	1327672	16	16
191	Kendrapara	17	11	1083255	8	8
191	Nayagarh	18	12	737085	8	8
191	Khurda	19	13	980271	8	8
191	Gajapati	20	14	334341	8	8
192	Phulabani	08	15	462660	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
192	Kalahandi	10	16	989195	8	8
192	Koraput	11	17	917213	8	8
192	Nawapara	22	18	729403	8	8
192	Rayagada	25	19	907971	8	8
192	Nawarangapur	24	20	769800	8	8
193	Sambalpur	01	21	528873	8	8
193	Sundargarh	02	22	1039477	8	8
193	Kendujhar	03	23	1161409	16	16
193	Mayurbhanj	04	24	1747850	16	16
193	Dhenkanal	07	25	864828	8	8
193	Balangir	09	26	1103861	8	8
193	Deogarh	27	27	556368	8	8
193	Sonepur	29	28	1562581	16	16
193	Angul	30	29	835653	8	8
PUNJAB						
20	Stratum 1		01	677	8	8
201	Gurdaspur	01	03	1365691	16	16
201	Amritsar	02	04	1648076	16	16
201	Ludhiana	04	05	1171077	16	16
201	Jalandhar	05	06	1293883	16	16
201	Kapurthala	06	07	475279	8	8
201	Hoshiarpur	07	08	1227958	16	16
201	Rupnagar	08	09	680446	8	8
202	Firozpur	03	10	1219999	16	16
202	Patiala	09	11	1057770	16	16
202	Sangrur	10	12	1291815	16	16
202	Bathinda	11	13	713776	8	8
202	Faridkot	12	14	1290781	16	16
202	Mansa	14	15	818549	8	8
RAJASTHAN						
21	Stratum 1		01	3428	8	8
211	Ganganagar	01	03	1106545	8	8
211	Ganganagar	01	04	1012911	8	8
211	Jaisalmer	13	05	1014116	8	8
211	Churu	03	06	1095848	8	8
211	Jodhpur	14	07	1388114	8	8
211	Nagaur	15	08	1800108	16	16
211	Pali	16	09	1161896	8	8
211	Barmer	17	10	1289029	8	8
211	Jalor	18	11	1058697	8	8
211	Sirohi	19	12	525093	8	8
212	Jhunjhunun	04	13	1256952	8	8
212	Alwar	05	14	1640061	16	16
212	Bharatpur	06	15	1327932	8	8
212	Dhaulpur	07	16	620061	8	8
212	Sawai madhopur	08	17	1521219	16	16
212	Jaipur	09	18	1173647	8	8
212	Jaipur	09	19	934392	8	8
212	Sikar	10	20	1454273	8	8
212	Ajmer	11	21	1021873	8	8
212	Tonk	12	22	780736	8	8
212	Bhilwara	20	23	1276873	8	8
212	Dausa	28	24	885098	8	8
213	Udaipur	21	25	1661450	16	16
213	Dungarpur	23	26	809310	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
213	Banswara	24	27	1061510	8	8
213	Rajsamand	29	28	721133	8	8
214	Chittaurgarh	22	29	1238620	8	8
214	Kota	26	30	1235933	8	8
214	Baran	30	31	1483869	8	8
SIKKIM						
221	North district	01	03	30403	8	8
221	East district	02	04	146580	32	32
221	South district	03	05	97178	24	24
221	West district	04	06	96399	24	24
TAMIL NADU						
23	Stratum 1		01	308	8	8
23	Stratum 2		02	1241899	8	8
231	Chengalpattu	02	03	1450802	16	16
231	Chengalpattu	02	04	1072996	8	8
231	North Arcot Ambedkar	03	05	1240470	8	8
231	North Arcot Ambedkar	03	06	826094	8	8
231	Tiruvannamalai Sambuvarayar	05	07	1890680	16	16
231	South Arcot Vallalar	06	08	1560124	16	16
231	Villupuram	22	09	1295287	16	16
231	Villupuram	22	10	1196874	8	8
232	Tiruchchirappalli	12	11	1553845	16	16
232	Tiruchchirappalli	12	12	1418343	16	16
232	Thanjavur	13	13	1563407	16	16
232	Pudukkottai	14	14	1134337	8	8
232	Nagap Attinam-Quaid-e-Milleth	23	15	1928174	16	16
233	Chidambaranar	11	16	1365267	16	16
233	Pasumpon ,Muthuramalinga Thevar	15	17	786147	8	8
233	Madurai	16	18	1844190	16	16
233	Kamarajar	17	19	963033	8	8
233	Ramanathapuram	18	20	894131	8	8
233	Chidaambaranar	19	21	856108	8	8
233	Tirunelveli Kattabomman	20	22	1629413	16	16
233	Kanyakumari	21	23	992361	8	8
234	Dharmapuri	04	24	1170336	8	8
234	Dharmapuri	04	25	1018726	8	8
234	Salem	07	26	1650370	16	16
234	Salem	07	27	1004802	8	8
234	Periyar	08	28	1626708	16	16
234	Nilgiri	09	29	218402	8	8
234	Coimbatore	10	30	1577050	16	16
TRIPURA						
241	West Tripura	01	03	977957	56	56
241	North Tripura	02	04	636326	40	40
241	South Tripura	03	05	721201	40	40
UTTAR PRADESH						
25	Stratum 1		01	9391	8	8
251	Tehri garhwal	03	03	1123499	8	8
251	Garhwal	05	04	1038007	8	8
251	Champawat	68	05	507232	8	8
251	Almora	07	06	741446	8	8
251	Nainital	08	07	999667	8	8
252	Bijnor	09	08	1831020	16	16
252	Moradabad	10	09	782844	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
252	Moradabad	10	10	1183021	8	8
252	Rampur	11	11	1107377	8	8
252	Saharanpur	12	12	1715592	16	16
252	Hardwar	13	13	775126	8	8
252	Muzaffarnagar	14	15	976291	8	8
252	Bagpet	71	16	1188148	8	8
252	Meerut	15	17	982030	8	8
252	Ghaziabad	16	18	1454609	8	8
252	Bulandshahr	17	19	1246178	8	8
252	Bulandshahr	17	20	1009780	8	8
252	Aligarh	18	21	1194414	8	8
252	Aligarh	18	22	1271875	8	8
252	Mathura	19	23	1474874	8	8
252	Agra	20	24	1639631	8	8
252	Firozabad	21	25	1124812	8	8
252	Etah	22	26	1868519	16	16
252	Mainpuri	23	27	1142073	8	8
252	Budaun	24	28	1158021	8	8
252	Budaun	24	29	856314	8	8
252	Bareilly	25	30	1902226	16	16
252	Pilibhit	26	31	1039414	8	8
252	Shahjahanpur	27	32	1567833	8	8
252	Farrukhabad	34	33	1004726	8	8
252	Etawah	35	34	892460	8	8
252	Auriya	64	89	897446	8	8
252	Kannuaj	70	90	973781	8	8
252	Jyotibafulenagar	67	91	1010892	8	8
253	Kheri	28	35	1255453	8	8
253	Kheri	28	36	860683	8	8
253	Sitapur	29	37	1472579	8	8
253	Sitapur	29	38	861685	8	8
253	Hardoi	30	39	1216783	8	8
253	Hardoi	30	40	1205878	8	8
253	Unnao	31	41	1899485	16	16
253	Lucknow	32	42	1030973	8	8
253	Rae bareli	33	43	1396859	8	8
253	Rae bareli	33	44	714135	8	8
253	Kanpur dehat	36	45	1230163	8	8
253	Kanpur nagar	37	46	1165740	8	8
253	Fatehpur	43	47	1709707	8	8
253	Barabanki	48	48	1092004	8	8
253	Barabanki	48	49	1103835	8	8
254	Pratapgarh	44	50	1008029	8	8
254	Pratapgarh	44	51	1076846	8	8
254	Allahabad	45	52	1923261	16	16
254	Allahabad	45	53	1967401	16	16
254	Bahraich	46	54	1476865	8	8
254	Bahraich	46	55	1073566	8	8
254	Balarampur	66	56	1889914	8	8
254	Gonda	47	57	1415870	8	8
254	Faizabad	49	58	1677363	8	8
254	Faizabad	49	59	948492	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
254	Sultanpur	50	60	1244468	8	8
254	Sultanpur	50	61	1192597	8	8
254	Siddharthnagar	51	62	1643333	8	8
254	Mahrajganj	52	63	1591816	8	8
254	Basti	53	64	1666577	8	8
254	Basti	53	65	877159	8	8
254	Gorakhpur	54	66	1451584	8	8
254	Gorakhpur	54	67	1024261	8	8
254	Deoria	55	68	1475824	8	8
254	Deoria	55	69	1428634	8	8
254	Deoria	55	70	1203405	8	8
254	Mau	56	71	1200307	8	8
254	Azamgarh	57	72	1838750	16	16
254	Azamgarh	57	73	1071303	8	8
254	Jaunpur	58	74	1902533	16	16
254	Jaunpur	58	75	1074361	8	8
254	Ballia	59	76	1170697	8	8
254	Ballia	59	77	857802	8	8
254	Ghazipur	60	78	1298507	8	8
254	Ghazipur	60	79	925011	8	8
254	Varanasi	61	80	1439012	8	8
254	Varanasi	61	81	933422	8	8
254	Mirzapur	62	82	1419945	8	8
254	Sonbhadra	63	83	921253	8	8
254	Chandauly	72	88	1229154	8	8
255	Jalaun	38	84	948761	8	8
255	Lalitpur	40	85	1507337	8	8
255	Hamirpur	41	86	1210471	8	8
255	Chitrakoot	69	87	1619752	8	8
WEST BENGAL						
26	Stratum 1		01	2158	8	8
26	Stratum 2		02	1097148	8	8
261	Kochbihar	01	03	1890878	16	16
261	Jalpaiguri	02	04	1095288	8	8
261	Jalpaiguri	02	05	920928	8	8
261	Darjiling	03	06	902725	8	8
262	West dinajpur	04	07	1445330	8	8
262	West dinajpur	04	08	1257606	8	8
262	Maldah	05	09	1368998	8	8
262	Maldah	05	10	1045172	8	8
262	Murshidabad	06	11	1419906	8	8
262	Murshidabad	06	12	1434937	8	8
262	Murshidabad	06	13	1149122	8	8
262	Nadia	07	14	1452346	8	8
262	Nadia	07	15	1423616	8	8
262	Birbhum	17	16	1210498	8	8
262	Birbhum	17	17	1070663	8	8
263	North twenty four Parganas	08	18	1838229	16	16
263	North twenty four Parganas	08	19	1678180	16	16
263	South twenty four Parganas	09	20	1702497	16	16
263	South twenty four Parganas	09	21	1772786	16	16
263	South twenty four Parganas	09	22	1328261	8	8
263	Haora	11	23	1863144	16	16
263	Hugli	12	24	1594263	16	16
263	Hugli	12	25	1384575	8	8

TABLE (2): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Rural sector for Central and State samples.

State Region	*District Name*	*Dist Code*	*Stratum no.*	*Value of Z*	*Allocation (n)*	
					Central	*State*
263	Barddhaman	16	26	1948527	16	16
263	Barddhaman	16	27	1946967	16	16
264	Medinipur	13	28	1820848	16	16
264	Medinipur	13	29	1870737	16	16
264	Medinipur	13	30	1803633	16	16
264	Medinipur	13	31	1952779	16	16
264	Bankura	14	32	1340135	8	8
264	Bankura	14	33	1217979	8	8
264	Puruliya	15	34	1073038	8	8
264	Puruliya	15	35	933900	8	8
A & N ISLANDS						
271	Andamans	01	03	160354	16	0
271	Nicobars	02	04	33425	8	0
CHANDIGARH						
281	Chandigarh	01	03	66186	16	0
D & N HAVELI						
291	Dadra & Nagar Haveli	01	03	126752	16	0
DAMAN & DIU						
301	Daman & Diu	02	03	54043	16	8
DELHI						
311	Delhi	01	03	949019	16	48
LAKSHADWEEP						
321	Lakshadweep	01	03	22593	8	0
PONDICHERRY						
331	Pondicherry	01	03	206901	16	16
331	Karaikal	02	04	83899	8	8

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
ANDHRA PRADESH				
021	02	1134	16	16
021	07	440	8	8
021	08	6381	64	64
021	09	313	8	8
021	10	2492	24	24
022	01	405	16	16
022	02	3741	64	64
022	07	659	16	16
022	08	5117	40	40
022	09	275	8	8
022	10	1553	16	16
023	08	1821	16	16
023	10	465	8	8
024	08	1187	8	8
024	10	723	8	8
ARUNACHAL PRADESH				
031	10	129	24	24
ASSAM				
041	08	664	8	8
041	10	693	16	16
042	08	1037	24	24
042	10	1066	16	16
043	10	189	8	8
BIHAR				
051	08	4132	48	48
051	10	2893	32	32
052	07	491	8	8
052	08	1670	16	16
052	09	405	8	8
052	10	1139	8	8
053	02	1204	16	16
053	07	362	8	8
053	08	2152	24	24
053	09	339	8	8
053	10	1533	16	16
GOA				
061	08	362	8	16
061	10	494	16	16

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
GUJRAT				
071	08	374	8	8
071	10	823	8	8
072	01	365	8	8
072	02	3982	40	40
072	07	247	8	8
072	08	1694	16	16
072	10	2113	16	16
073	01	233	8	8
073	02	1209	8	8
073	03	274	8	8
073	04	1291	8	8
073	08	963	8	8
073	10	940	8	8
074	08	1134	8	8
074	10	746	8	8
075	07	550	8	8
075	08	2956	32	32
075	09	354	8	8
075	10	1732	16	16
HARYANA				
081	07	313	8	16
081	08	3145	32	64
081	10	1327	8	16
082	08	1168	8	16
082	10	793	8	16
HIMACHAL PRADESH				
091	07	71	16	16
091	08	130	16	16
091	09	193	24	24
091	10	363	24	24
JAMMU & KASHMIR				
101	07	261	24	48
101	08	194	8	16
101	09	117	8	16
101	10	135	8	16
102	09	112	8	16
102	10	130	8	16
103	07	542	32	64
103	08	98	8	16

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
103	09	297	16	32
103	10	198	8	16
KARNATAKA				
111	08	773	8	8
111	10	983	8	8
112	08	564	8	8
112	10	923	8	8
113	01	490	8	8
113	02	5190	32	32
113	07	270	8	8
113	08	2332	24	24
113	09	289	8	8
113	10	2027	16	16
114	07	303	8	8
114	08	3826	40	40
114	09	576	8	8
114	10	2769	24	24
KERALA				
121	08	1622	32	32
121	09	119	8	8
121	10	2022	32	32
122	07	204	8	8
122	08	3219	40	40
122	09	309	8	8
122	10	3130	40	40
MADHYA PRADESH				
131	07	327	8	8
131	08	2553	24	24
131	09	393	8	8
131	10	1679	16	16
132	08	825	8	8
132	10	1894	16	16
133	02	1945	16	16
133	08	846	8	8
133	10	1119	8	8
134	02	2230	16	16
134	08	1849	16	16
134	09	563	8	8
134	10	1635	8	8
135	07	231	8	8
135	08	1707	16	16

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
135	10	1376	16	16
136	08	1199	16	16
136	10	1140	8	8
137	08	2075	24	24
137	09	263	8	8
137	10	1035	8	8
MAHARASTRA				
141	01	1150	16	24
141	02	14546	120	176
141	04	1181	16	24
141	06	1845	16	24
141	07	189	8	8
141	08	3262	24	40
141	10	983	8	16
142	02	2607	16	24
142	07	840	16	24
142	08	4441	32	48
142	09	366	8	8
142	10	1437	8	16
143	07	306	8	8
143	08	3061	24	40
143	10	1082	8	8
144	07	355	8	8
144	08	2544	16	24
144	09	279	8	8
144	10	1139	8	16
145	02	2676	16	24
145	07	252	8	8
145	08	2418	16	32
145	10	2207	16	24
146	08	853	8	16
146	10	626	8	8
MANIPUR				
151	08	294	24	48
151	10	380	24	48
152	10	56	8	16
MEGHALAYA				
161	08	291	16	16
161	10	468	16	16

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
MIZORAM				
171	07	30	8	8
171	08	213	24	24
171	09	20	8	8
171	10	245	32	32
NAGALAND				
181	08	127	16	48
181	10	114	8	24
ORISSA				
191	07	199	8	8
191	08	1881	16	16
191	09	172	8	8
191	10	882	8	8
192	08	323	8	8
192	10	583	8	8
193	08	1843	16	16
193	09	205	8	8
193	10	990	8	8
PUNJAB				
201	01	220	8	8
201	02	1528	24	24
201	07	641	16	16
201	08	3384	40	40
201	09	334	8	8
201	10	1112	16	16
202	07	333	8	8
202	08	1959	24	24
202	10	1357	16	16
RAJASTHAN				
211	07	361	8	8
211	08	2979	24	24
211	10	3685	16	16
212	02	2617	24	24
212	07	306	8	8
212	08	2914	24	24
212	09	423	8	8
212	10	2105	16	16
213	08	907	8	8
213	10	528	8	8

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
214	08	1392	16	16
214	10	803	8	8
SIKKIM				
221	10	84	24	24
TAMIL NADU				
231	01	552	16	16
231	02	5651	56	56
231	07	356	8	8
231	08	3683	40	40
231	09	339	8	8
231	10	2383	24	24
232	07	355	8	8
232	08	1707	16	16
232	09	409	8	8
232	10	1482	16	16
233	01	329	8	8
233	02	1105	8	8
233	07	655	16	16
233	08	2753	24	24
233	09	644	8	8
233	10	2218	24	24
234	07	1016	16	16
234	08	2852	32	32
234	09	356	8	8
234	10	1950	16	16
TRIPURA				
241	08	268	16	16
241	09	19	8	8
241	10	309	24	24
UTTAR PRADESH				
251	08	832	8	8
251	10	1633	8	8
252	02	1963	16	16
252	07	1149	24	24
252	08	11257	88	88
252	09	868	16	16
252	10	6593	48	48
253	01	200	8	8
253	02	2963	16	16
253	03	274	8	8
253	04	2914	16	16

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
253	08	1803	16	16
253	10	2515	16	16
254	02	1363	16	16
254	07	500	8	8
254	08	3979	32	32
254	09	750	8	8
254	10	2879	24	24
255	08	1294	8	8
255	10	1423	8	8
WEST BENGAL				
261	08	1054	8	8
261	10	705	8	8
262	08	1785	16	16
262	10	1242	16	16
263	01	534	16	16
263	02	5963	48	48
263	04	1503	16	16
263	07	839	16	16
263	08	9840	88	88
263	09	402	8	8
263	10	2799	24	24
264	08	1208	16	16
264	10	878	8	8
A & N ISLANDS				
271	08	140	16	0
CHANDIGARH				
281	07	37	8	16
281	08	852	48	96
281	10	104	8	16
D & N HAVELI				
291	10	12	8	0
DAMAN & DIU				
301	10	72	16	24
DELHI				
311	01	668	8	24
311	02	13140	64	192
311	08	2464	16	48
311	10	552	8	24

TABLE (3): Statement showing the value of stratum size (Z) and the allocated number of sample villages (n) in the Urban sector for Central and State samples.

State Region	*Stratum no.*	*Value of Z*	*Allocation (n)*	
			Central	*State*
LAKSHADWEEP				
321	10	46	32	0
PONDICHERRY				
331	08	616	24	24
331	10	136	8	8