



Report
on
Pooling of Central and State Sample Data
NSS 68th Round

Household Consumer Expenditure and
Employment & Unemployment

(PUNJAB)

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Website : www.esopb.gov.in

PREFACE

The National Sample Survey Office (NSSO) was set up in 1950, to bridge large gaps in statistical data needed for planning, policy formulation and computation of national income aggregates, especially in respect of the unorganized and household sector of the economy. NSSO has been conducting nationwide multi-subject, integrated, large-scale sample survey in the form of successive rounds covering various aspects of social, economic, demographic, industrial and agricultural statistics.

The necessity for pooling the Central and State Sample data arose due to the growing need for improving the precision of estimates of policy parameters such as the incidence of poverty, State Domestic Product (SDP), District Domestic Product (DDP) etc and for strengthening the data base at district level required for decentralized governance.

The statistical agencies of different State governments have been participating in the NSS programme and canvassing the same questionnaires in matched samples of households in their respective states following identical concepts, definitions and procedures. Results from the central samples and state sample(s) have occasionally been compared. The main purpose of the programme is to pool the two samples and obtain dependable estimates for regions within the states.

The present publication “ Report on Pooling of Central and State Sample data of 68th round – Punjab” is the 3rd of its kind published by this Directorate with matching sample size to central sample.

This report is prepared by the Tabulation Section of DES, Punjab under the overall supervision of Sh.Tirath Singh, Director.I acknowledge the sincere efforts done by officers as well as officials of Tabulation Section for data entry, validation and tabulation alongwith the preparation of report.

I hope this report will be of very much use to the planners, policy makers, academicians and researchers. The Department expects suggestions and comments from readers for further improvement in the future endeavours of this kind.

Dated:
Chandigarh

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Appendix A : **Facsimile of Schedule 0.0**

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(Sch .TYPE-I & Sch. TYPE – II)

Appendix C : **Facsimile of Schedule 10**

Abbreviation used in this Report

MPCE	: Monthly Per Capita Expenditure
URP	: Uniform Reference Period
MRP	: Mixed Reference Period
MMRP	: Modified Mixed Reference Period
PS + SS	: Principal Status + Subsidiary Status (of a person's activity)
CWS	: Current Weekly Status
CDS	: Current Daily Status
RSE	: Relative Standard Error
MSE	: Mean Standard Error
WPR	: Worker – Population Ratio
LFPR	: Labour Force Participation Rate

CHAPTER - I

INTRODUCTION: COVERAGE, CONCEPTS AND DEFINITIONS

1.1 Introduction

The National Sample Survey office (NSSO) was set up in 1950, to bridge large gaps in statistical data needed for planning, policy formulation and computation of national income aggregates, especially in respect of the unorganized and household sector of the economy. NSSO has been conducting nationwide multi-subject, integrated, large scale sample surveys in the form of successive rounds covering various aspects of social, economic, demographic, industrial and agricultural statistics. These surveys are undertaken to make a striking balance between the urgent and contemporary need for reliable statistical data on different topics and the constraints of limited resources, both physical and financial.

The Punjab states is participating in the NSS surveys from 14th round (1959) onwards by using the same concepts, definitions and procedures and by adopting the same sample design based on independently drawn sample as that of NSSO. The two field operations are generally referred as Central and State samples of the National Sample Survey. Sample sizes of central and state samples are equal for Punjab(equal matching sample).

1.2 Objectives of Pooling

One of the objectives of States participation in the NSS surveys is to provide a mechanism by which sample size will be increased and the pooling of the two sets of data would enable better estimate at lower sub state level, particularly at district level. At the State level, this will result in increased precision of the estimates and at disaggregated level, estimates will be more stable. But the major benefit will be derived in the case of estimates are generated at sub-state level like NSS region/districts.

1.3 Emerging need for pooling of estimates

The constitutional 73rd & 74th amendments envisage a major reform of governance which gives greater responsibilities and powers to the Panchayats and Nagar Palikas and offers opportunity for local planning, effective implementation and monitoring of various social and economic development programmes. This has enhanced the demand for local level statistics and necessitated requirement of developing basic capabilities at grass root levels to organize such statistics in a harmonious manner at district and sub-district level.

Further, the state level estimates generated by NSSO are considered to be reliable for important characteristics such as average monthly per capita expenditure of households, worker participation ratio, gross value added per worker etc. The reliability of these estimates at district level are questionable. The NSSO does not release sub-state level estimates mainly due to insufficient sample size.

Therefore, pooling of Central and State samples data is being considered as one of the important way out of the problem of insufficient sample size to generate parameters at district level.

1.4 Committee on pooling :

The National Statistical Commission appointed a professional committee under the chairmanship of Dr. R. Radhakrishna, Ex-Chairman, National Statistical Commission (NSC) to examine the issues related to uniformity and comparability of pooled data. The Committee in its report gave a detailed methodology for pooling and also the tests for poolability. The terms of reference of the committee are as follows.

- Conditions to be fulfilled for pooling of central and state sample data of NSS
- Methodology for pooling
- Time frame by which the exercise needs to be completed by each state
- Generating weighing diagrams from the pooled data at sub-state level for the purpose of consumer price indices (Rural and Urban) including occupation specific indices such as CPIAL, CPIIW etc., from NSS data on consumer expenditure surveys (Quinquennial and thin sample)
- Identification of district level parameters

1.5 Subject Coverage

The 68th round (July 2011 – June 2012) of NSS was earmarked for survey of **Household Consumer Expenditure** and **Employment and Unemployment**. The last survey on these subjects was conducted in 66th round during 2009-10 which was eighth quinquennial survey in the series on household consumer expenditure and employment and unemployment.

The main objective of the employment and unemployment surveys conducted by NSSO at periodic interval is to get estimates of parameters of various labour force characteristics at the national and State/UT level. These statistical indicators on labour market are required for planning, policy and decision making at various levels, both within the government and outside. The critical issues in the context of labour force enquiries pertain to defining the labour force and measuring participation of the labour force in different economic activities. The activity participation of the people is not only dynamic but also multidimensional, it varies with region, age, education, gender, level of living, industry and occupational category. The aspects of the labour force are captured in detail in the employment and unemployment surveys of NSSO and estimates are generated for labour force participation rate, worker population ratio, unemployment rate, extent of under-employment, wages of employees, etc. The indicators of the structural aspects of the workforce such as status in employment, industrial distribution and occupational distribution of the workers are also derived from these surveys. Besides, from the data collected on the particulars of enterprises and conditions of employment, the aspects of employment in the informal sector and informal employment are reflected through the conceptual framework of the surveys.

The critical issues in the context of labour force enquiries pertain to defining the labour force and measuring participation of labour force in different economic activities. In the employment and unemployment surveys of the quinquennial rounds of NSSO, persons are classified into various activity categories in three approaches on the basis of activities (economic/non-economic) pursued by them during certain specified reference periods. The three approaches are usual status approach, current weekly status approach and the current daily status approach. Three reference periods used in NSS surveys are (i) one year, (ii) one week and (iii) each day of the reference week. In the usual status approach, the activity status of a person is determined on the basis of the reference period of one year. The activity status of a person in current weekly status approach is determined on the basis of the reference period of one week and that in current daily status approach is determined on the basis of the reference period of

one day. Based on the classification of the individuals into various activity categories in the three approaches, labour force indicators like, labour force participation rate(LFPR), worker population ratio(WPR), unemployment rate(UR) are derived in usual status(ps), usual status(ps+ss), current weekly status(CWS) and current daily status(CDS).

1.6 Features of the survey: schedules of enquiry

The household consumer expenditure schedule (“Schedule 1.0”) used for the survey to collect the information on quantity and value of household consumption, including 142 items of food, 15 items of energy (fuel, light and household appliances), 28 items of clothing, bedding and footwear, 19 items of educational and medical expenses, 51 items of durable goods, and 89 other items. The schedule also collected some other particulars of each household member, such as age, sex and educational level.

The schedules of enquiry used were of two types. The two types had the same item break-up but differed in reference periods used for collection of consumption data. Schedule Type-I used to collect the information on consumption during the last 30 days and the last 365 days for certain categories of relatively infrequently purchased items, including clothing and consumer durables. For other categories, including all food and fuel and consumer services, it used a 30-days reference period. Schedule Type-II used “last 365 days” (only) for the infrequently purchased categories, “last 7 days” for some categories of food items, as well as pan, tobacco and intoxicants, and “last 30 days” for other food items, fuel and the rest.

1.7 Parameters considered for pooling:

Considering the smaller sample size at district level following broad parameters were considered for pooling.

- a) MPCE of FOOD, Non-FOOD, and Total MPCE derived from detail item for URP, MRP and MMRP
- b) Household size, sex, age
- c) Activity status principal, subsidiary, weekly, daily and their intensity
- d) District level quantile class computation

1.8 Testing poolability and Methodology for pooling

1.8.1 Testing poolability of central and state sample

Though the central sample and state sample are drawn independently following identical sampling design with same concepts, definitions and instructions to collect the state sample data but due to lack of adequate training of field and processing staff of State DES, unit level data in some cases are not properly validated. There is also expected agency bias in the two sets of data generated by different agencies. As such they cannot be merged for generating pooled estimate without testing that the samples are realized from identical distribution function. Since the parametric distribution of the sample mean is unknown one may adopt non-parametric tests such Run test, Median test, chi-square test etc to test that the samples are coming from identical distribution function.

1.8.2 Median test

In statistics, the median test is a special case of Pearson's Chi-square test. It tests the null hypothesis that the medians of the populations from which two samples are drawn, are identical. Observations in each sample are assigned to two groups, one consisting of data whose values are higher than the median value in the two groups combined, and the other consisting of data whose values are at the median or below. A Pearson's Chi-square test is then used to determine whether the observed frequencies in each group differ from expected frequencies derived from a distribution combining the two groups.

Let m^* be the median of the pooled sample data. Construct 2 X 2 contingency table as below and use chi-square test if State sample and Central sample have identical median.

Sample-type	no of sample observation		Total
	* ≤ m	* > m	
State Sample	N ₁₁	N ₁₂	N _{1.}
Central Sample	N ₂₁	N ₂₂	N _{2.}
Total Sample	N _{.1}	N _{.2}	N _{..}

Observed frequency of each cell $O_{ij} = N_{ij}$ where $i = 1$ to $2, j = 1$ to 2 .

Expected frequency of each cell $E_{ij} = (N_{i.} * N_{.j}) / N_{..}$ where $i = 1$ to $2, j = 1$ to 2 .

$$\chi^2 \text{ Value} = \sum_{i=1}^2 \sum_{j=1}^2 (O_{ij} - E_{ij})^2 / O_{ij} \quad \text{with degrees of freedom} = (2-1)*(2-1) = 1$$

1.8.3 Wolfowitz run test

Suppose X and Y are independent random samples with cumulative distribution function (CDF) as $F_s(x)$ and $F_c(y)$. Null Hypothesis to be tested is $H_0: F_s(x) = F_c(x)$ for all x against alternative Hypothesis is $H_1: F_s(x) \leq F_c(x)$ for all x and $F_s(x) < F_c(x)$ for some x. Let x_1, x_2, \dots, x_m be iid observation from state sample with distributive function F_s and y_1, y_2, \dots, y_n be iid observation from central sample with distributive function F_c . Pool the data and order them with respect to comparable characteristic under consideration say monthly per capita expenditure (MPCE). In the pooled order sequence put "1" for X and "0" for Y. Let U be the total runs observed where 'run' is a sequence of adjacent equal symbols. For example, following sequence: 111100011100111110000 is divided in six runs, three of them are made out of "1" and the others are made out of "0". The number of runs U is a random variable whose distribution for large sample can be treated as normal with:

$$\text{mean} = \frac{2mn}{m+n} + 1 \quad \text{Variance} = \frac{2mn(2mn - m - n)}{(m+n)^2(m+n-1)}$$

4

After normalizing the variable U one may use one sided z-test for testing the Null hypothesis. In extreme case the value of U will be 2 meaning by observed characteristic of all the observation of one sample is less than the other samples.

One of the limitations of this test is when there is a tie between two samples in the observed value. One has to resolve ties in usual manner. However if there is large number of ties which is bound to occur specially for qualitative attributes like education level, activity status etc, this test is not recommended. This test can be well applied for a continuous variable such as MPCE which are less prone to ties. For discrete variable chi-square test is recommended.

1.8.4 Parametric test

Aggregate estimate: Let t_{yc} and t_{ys} be the estimate of Y at domain level of pooling based on central and state sample respectively with corresponding variances $V(t_{yc})$ and $V(t_{ys})$. For large sample, making all assumption of parametric test, one may use Z-Statistic to test the null hypothesis $H_0 E(t_{yc}) = E(t_{ys})$ where E stands for expectation.

$$Z = \frac{(t_{yc} - t_{ys})}{\sqrt{(V(t_{yc}) + V(t_{ys}))}}$$

$V(t_{yc})$ and $V(t_{ys})$ could be estimated as

$$\hat{V}(t_{yc}) = \sum_l (t_{yc1} - t_{yc2})^2 / 4 \text{ and } \hat{V}(t_{ys}) = \sum_l (t_{ys1} - t_{ys2})^2 / 4$$

Where \sum_l stands for summing over stratum x sub-stratum level variance at the domain of pooling

Estimate of rate: Let r_c and r_s be the estimate of population rates R_c and R_s ie Y/X based on central and state sample respectively with corresponding mean square error $MSE(r_c)$ and $MSE(r_s)$. For large sample, making all assumption of parametric test, one may use Z-Statistic to test the null hypothesis $H_0 E(r_c) = E(r_s)$ where E stands for expectation.

$$Z = \frac{(r_c - r_s)}{\sqrt{(MSE(r_c) + MSE(r_s))}}$$

$MSE(r_c)$ and $MSE(r_s)$ are estimated as follows:

$$mse(r_c) = (\text{var}(t_{yc}) - 2 * r_c \text{cov}(t_{yc}, t_{xc}) + r_c^2 * \text{var}(t_{xc})) / t_{xc}^2$$

$$mse(r_s) = (\text{var}(t_{ys}) - 2 * r_s \text{cov}(t_{ys}, t_{xs}) + r_s^2 * \text{var}(t_{xs})) / t_{xs}^2$$

$$\hat{V}(t_{yc}) = \sum_l (t_{yc1} - t_{yc2})^2 / 4 \quad \hat{V}(t_{ys}) = \sum_l (t_{ys1} - t_{ys2})^2 / 4$$

$$\hat{V}(t_{xc}) = \sum_l (t_{xc1} - t_{xc2})^2 / 4 \quad \hat{V}(t_{xs}) = \sum_l (t_{xs1} - t_{xs2})^2 / 4$$

$$\text{cov}(t_{yc}, t_{xc}) = \sum_l (t_{yc1} - t_{yc2})(t_{xc1} - t_{xc2}) / 4 \quad \text{based on sub sample 1 \& 2 estimates.}$$

where \sum_l stands for summing over stratum x sub-stratum level variance at the domain of pooling.

1.9 Methodology for pooling

Pooling by inverse weight of the variance of the estimates

1.9.1 Aggregate estimate: For any characteristic, consider the state sample [s] in the form of two independent sub- sample s1 and s2 and the central sample [c] in the form of two independent sub- sample c1 and c2. Based on this, the respective estimates for state and central can be computed as:

$$t_s = \Sigma (t_{s1} + t_{s2}) / 2 \quad \text{and} \quad t_c = \Sigma (t_{c1} + t_{c2}) / 2$$

Pooled estimate leading to optimum combination of these two estimates is given by weighing with inverse of the variance of the estimate. Thus the pooled estimate is given by:

$$T_p = \frac{V(t_c)t_s + V(t_s)t_c}{V(t_c) + V(t_s)} \quad \text{with} \quad V(T_p) = \frac{V(t_c)V(t_s)}{V(t_c) + V(t_s)}$$

In general $V(t_c)$ and $V(t_s)$ are unknown and can be estimated as

$$\hat{V}(t_{yc}) = \sum_l (t_{yc1} - t_{yc2})^2 / 4 \quad \text{and} \quad \hat{V}(t_{ys}) = \sum_l (t_{ys1} - t_{ys2})^2 / 4$$

where \sum_l stands for summing over stratum x sub-stratum level variance at the domain of pooling.

Thus pooled estimate and estimate of pooled variance is given by

$$t_p = \frac{\hat{V}(t_c)t_s + \hat{V}(t_s)t_c}{\hat{V}(t_c) + \hat{V}(t_s)}, \quad \hat{V}(t_p) = \frac{\hat{V}(t_c)\hat{V}(t_s)}{\hat{V}(t_c) + \hat{V}(t_s)}$$

By virtue of weighing the two estimates at the domain level at which two estimates are pooled, the pooled estimate will always lie between the central and state sample estimates.

1.9.2 Estimate of rate: Let r_c and r_s be the estimate of R_c and R_s ie Y/X based on central and state sample respectively with corresponding estimated mean square error $mse(r_c)$ and $mse(r_s)$. The pooled estimate and estimate of variance of pooled ratio estimate may be given by:

$$r_p = \frac{mse(r_c)r_s + mse(r_s)r_c}{mse(r_c) + mse(r_s)}, \quad mse(r_p) = \frac{mse(r_c)mse(r_s)}{mse(r_c) + mse(r_s)}$$

Where $mse(r_c)$ and $mse(r_s)$ are calculated using formula given in para above. Alternatively one can generate the pooled estimate of aggregate by inverse weight of estimate of variance obtained from central and state sample for the characteristics x as well as y and obtain the pooled estimate of ratio as ratio of pooled estimate of aggregate. This will ensure consistency between pooled estimates of aggregate and the pooled estimate of ratio.

Let t_{xp} and t_{yp} be the pooled estimate of aggregate for the parameter X and Y . The pooled estimate of R (i.e Y/X) is given by

$r_p = t_{yp} / t_{xp}$ where $t_{yp} = at_{yc} + bt_{ys}$ and $t_{xp} = ct_{xc} + dt_{xs}$ and $(a, b), (c, d)$ are the estimated inverse variance weight pair of the characteristic x and y respectively.

The estimated mse of pooled ratio estimate r_p is given by:

The estimated mse of pooled ratio estimate r_p is given by:

$$mse(r_p) = (\hat{V}(t_{yp}) - 2 r_p \hat{Cov}(t_{yp}, t_{xp}) + r_p^2 \hat{V}(t_{xp})) / t_{xp}^2$$

$$\text{where } \hat{V}(t_{yp}) = \frac{ab}{a+b}, \quad \hat{V}(t_{xp}) = \frac{cd}{c+d} \text{ and}$$

$$\hat{Cov}(t_{yp}, t_{xp}) = ac \hat{Cov}(t_{yc}, t_{xc}) + bd \hat{Cov}(t_{ys}, t_{xs}).$$

$$\hat{Cov}(t_{yc}, t_{xc}) = \sum_l (t_{yc1} - t_{yc2})(t_{xc1} - t_{xc2}) / 4 \text{ based on sub-sample 1 \& 2 estimates.}$$

$$\text{Similarly, } \hat{Cov}(t_{ys}, t_{xs}) = \sum_l (t_{ys1} - t_{ys2})(t_{xs1} - t_{xs2}) / 4$$

where \sum_l stands for summing over stratum x sub-stratum level covariance at the domain of pooling.

Method laid down in above paras requires calculation of estimate of variance of the estimates before pooling them. Reliability of estimate of variance should be ascertained with due

consideration of sample size. Besides the complex calculations of variances and covariances for each cell of the table, one needs to address the issue of non-additivity of the component estimates with the estimate of marginal total, e.g. pooled estimate of MPCE of FOOD and NON-FOOD may not add up to MPCE of TOTAL. To obviate this problem one may generate the pooled estimates of components first and then derive the estimate of total as sum of estimates of components.

1.9.3 Summing up: For characteristics such as MPCE(URP, MRP and MMRP) for food, Non-food and Total parametric Z-test and Non-parametric run test were used. In case of Worker Participation Rate and Labour force Participation Rate(PS+SS, CWS and CDS) parametric Z-test and Non-parametric chi-square test were used for testing poolability.

1.10 Sample size: Total sample size of punjab State for central and state sample is given below:

Punjab -RURAL						
	Central sample			State sample		
Schedule	FSU surveyed	HH surveyed	Persons Surveyed	FSU surveyed	HH surveyed	Persons Surveyed
1.0 Type-I	392	1552	7658	392	1568	7497
1.0 Type-II	392	1552	7650	392	1568	7441
10	392	1552	7571	392	1568	7315
Punjab -URBAN						
	Central sample			State sample		
Schedule	FSU surveyed	HH surveyed	Persons Surveyed	FSU surveyed	HH surveyed	Persons Surveyed
1.0 Type-I	392	1566	6855	392	1568	6885
1.0 Type-II	392	1566	6849	392	1568	6893
10	392	1566	6809	392	1568	6658

CHAPTER-II

RESULTS OF POOLABILITY TESTS

State: PUNJAB Sector: RURAL [SCHEDULE 1.0 TYPE-I and TYPE-II] RUN TEST							
Table-0.1 (R): District wise result of run test of MPCE(URP,MRP,MMRP) for pooled sample $Z_{0.01} = -2.33$ [one sided test] reject if z-value < $Z_{0.01}$							
Dist code	District Name	URP		MRP		MMRP	
		Z-value	Accept	Z-value	Accept	Z-value	Accept
1	Gurdaspur	0.626229	Y	-0.37574	Y	-1.3777	Y
2	Amritsar	-1.44717	Y	-1.15774	Y	0.723585	Y
3	Kapurthala	-0.35495	Y	-1.77477	Y	-1.41981	Y
4	Jalandhar	-2.6049	N	-1.7366	Y	-0.14472	Y
5	Hoshiarpur	-2.75541	N	-1.50295	Y	-2.75541	N
6	S.B.S Nagar	0.354954	Y	0.709907	Y	-2.48468	N
7	Roopnagar	-1.06486	Y	-1.77477	Y	-2.12972	Y
8	Fatehgarh Sahib	-1.00803	Y	-1.53229	Y	-2.01606	Y
9	Ludhiana	-1.87869	Y	-0.87672	Y	-2.63016	N
10	Moga	-1.95224	Y	-1.59729	Y	-3.54954	N
11	Firozpur	0.83271	Y	-0.25049	Y	0.876721	Y
12	Sri Muktsar Sahib	-1.24234	Y	0.177477	Y	-2.3072	Y
13	Faridkot	0.42619	Y	1.008032	Y	-2.01606	Y
14	Bathinda	-1.30245	Y	-2.17075	Y	-0.72358	Y
15	Mansa	-1.24234	Y	-1.24234	Y	-1.24234	Y
16	Sangrur	-0.56675	Y	-0.56675	Y	-1.45552	Y
17	Patiala	0.723585	Y	-0.8683	Y	0.144717	Y
18	S.A.S Nagar	-0.66895	Y	-0.11805	Y	-1.77075	Y
19	Barnala	-2.01606	Y	-0.25201	Y	0.504016	Y
20	Tarn Taran	1.064861	Y	-0.88738	Y	0.53243	Y

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-I and TYPE-II] RUN TEST

Table-0.1 (U): District wise result of run test of MPCE(URP,MRP,MMRP) for pooled sample $Z_{0.01} = -2.33$ [one sided test] reject if z-value < $Z_{0.01}$

Dist code	District Name	URP		MRP		MMRP	
		Z-value	Accept	Z-value	Accept	Z-value	Accept
1	Gurdaspur	-0.86301	Y	0.618273	Y	0.618273	Y
2	Amritsar	-1.43074	Y	-2.3505	N	0.408782	Y
3	Kapurthala	-3.72701	N	-2.3072	Y	-1.06486	Y
4	Jalandhar	-4.52776	N	-1.80412	Y	-1.57715	Y
5	Hoshiarpur	-1.68675	Y	-2.03223	Y	-2.89593	N
6	S.B.S Nagar	-0.85472	Y	-0.85472	Y	-2.29706	Y
7	Roopnagar	-1.51205	Y	-1.51205	Y	0.504016	Y
8	Fatehgarh Sahib	-2.26807	Y	-0.75602	Y	-0.75602	Y
9	Ludhiana	-2.16968	Y	-3.94092	N	-3.71595	N
10	Moga	-1.26004	Y	-1.76406	Y	-2.01606	Y
11	Firozpur	1.157735	Y	-0.72358	Y	-1.88132	Y
12	Sri Muktsar Sahib	1.26004	Y	-1.51205	Y	-1.76406	Y
13	Faridkot	-1.76406	Y	-1.26004	Y	-0.50402	Y
14	Bathinda	-1.41981	Y	-1.06486	Y	-1.41981	Y
15	Mansa	-0.75602	Y	-1.26004	Y	0.756024	Y
16	Sangrur	-2.89434	N	-1.7366	Y	-1.37808	Y
17	Patiala	-0.25049	Y	-1.00197	Y	-2.57238	N
18	S.A.S Nagar	0.267988	Y	-1.51392	Y	1.242338	Y
19	Barnala	1.26004	Y	-0.25201	Y	0.504016	Y
20	Tarn Taran	-0.50402	Y	2.016065	Y	-1.26004	Y

State: PUNJAB

Sector: RURAL [SCHEDULE 10] CHI-SQUARE TEST

Table-0.2 (R): District wise chi-square value of distribution of persons over worker, unemployeD and out of labour force for pooled sample. $\chi^2_{.01} = 9.21$ df = 2 [one sided test] reject if χ^2 -value > $\chi^2_{.01}$

Dist code	District Name	PS+SS		CWS		CDS	
		χ^2 -value	Accept	χ^2 -value	Accept	χ^2 -value	Accept
1	Gurdaspur	6.056091	Y	32.2156	N	9.778402	N
2	Amritsar	20.4582	N	2.867174	Y	4.186307	Y
3	Kapurthala	1.85441	Y	1.741518	Y	2.73801	Y
4	Jalandhar	8.743578	Y	9.216706	N	9.216706	N
5	Hoshiarpur	3.733014	Y	4.098537	Y	15.23652	N
6	S.B.S Nagar	3.289891	Y	3.614273	Y	3.673323	Y
7	Roopnagar	1.758658	Y	5.623583	Y	1.137206	Y
8	Fatehgarh Sahib	3.2569	Y	7.132563	Y	6.011308	Y
9	Ludhiana	0.562396	Y	9.236581	Y	1.15303	Y
10	Moga	4.387471	Y	7.56083	Y	6.299547	Y
11	Firozpur	16.7856	N	15.2356	N	10.32569	N
12	Sri Muktsar Sahib	1.362256	Y	2.673589	Y	7.043068	Y
13	Faridkot	2.502192	Y	2.578616	Y	7.082807	Y
14	Bathinda	25.6239	N	32.23564	N	0.875908	Y
15	Mansa	8.798768	Y	9.469031	N	6.141451	Y
16	Sangrur	13.88254	N	14.30148	N	14.98162	N
17	Patiala	1.37895	Y	0.113725	Y	0.106034	Y
18	S.A.S Nagar	18.7841	N	0.365383	Y	0.514912	Y
19	Barnala	5.364894	Y	5.601051	Y	5.949455	Y
20	Tarn Taran	1.68489	Y	3.449468	Y	3.067755	Y

State: PUNJAB**Sector: URBAN [SCHEDULE 10] CHI-SQUARE TEST**

Table-0.2 (U): District wise chi-square value of distribution of persons over worker, unemploYed and out of labour force for pooled sample. $\chi^2_{.01} = 9.21$ df = 2 [one sided test] reject if χ^2 -value > $\chi^2_{.01}$

Dist code	District Name	PS+SS		CWS		CDS	
		χ^2 -value	Accept	χ^2 -value	Accept	χ^2 -value	Accept
1	Gurdaspur	4.413954	Y	4.413954	Y	4.392203	Y
2	Amritsar	2.763316	Y	3.192555	Y	12.14789	N
3	Kapurthala	1.099808	Y	14.23659	N	1.304658	Y
4	Jalandhar	4.352912	Y	4.925168	Y	5.0296	Y
5	Hoshiarpur	13.23651	N	3.117363	Y	3.51258	Y
6	S.B.S Nagar	8.565602	Y	8.565602	Y	8.565602	Y
7	Roopnagar	3.14577	Y	13.23652	N	12.36985	N
8	Fatehgarh Sahib	0.555116	Y	0.246293	Y	1.271306	Y
9	Ludhiana	0.123658	Y	0.123658	Y	0.123658	Y
10	Moga	0.873313	Y	0.873313	Y	0.780353	Y
11	Firozpur	12.36523	N	1.790962	Y	23.25698	N
12	Sri Muktsar Sahib	0.403415	Y	0.465554	Y	0.409117	Y
13	Faridkot	0.880059	Y	0.880059	Y	0.935124	Y
14	Bathinda	0.472002	Y	0.472002	Y	0.472002	Y
15	Mansa	15.23659	N	0.586973	Y	0.661401	Y
16	Sangrur	0.127354	Y	0.127354	Y	9.23651	Y
17	Patiala	2.278513	Y	1.859236	Y	1.859236	Y
18	S.A.S Nagar	0.121198	Y	0.121198	Y	8.236985	Y
19	Barnala	3.416697	Y	4.7481	Y	4.245291	Y
20	Tarn Taran	1.747306	Y	2.653191	Y	2.081592	Y

State:PUNJAB Sector: RURAL[SCHEDULE 1.0 TYPE-IandTYPE-II]MEAN TEST

Table-0.3(R): District wise test of MPCE difference(URP,MRP,MMRP) for pooled sample $Z_{0.005}= 2.575$ [one sided test] reject if absolute z-value $> Z_{0.005}$

Dist code	District Name	URP		MRP		MMRP	
		Z-value	Accept	Z-value	Accept	Z-value	Accept
1	Gurdaspur	1.00	Y	0.931482	Y	0.16	Y
2	Amritsar	2.03	Y	1.310813	Y	1.37	Y
3	Kapurthala	2.47	Y	2.31735	Y	1.06	Y
4	Jalandhar	3.52	N	2.725377	N	0.62	Y
5	Hoshiarpur	2.95	N	5.191764	N	4.37	N
6	S.B.S Nagar	0.15	Y	0.489968	Y	1.37	Y
7	Roopnagar	0.17	Y	0.103072	Y	0.06	Y
8	Fatehgarh Sahib	1.46	Y	1.780017	Y	2.16	Y
9	Ludhiana	0.26	Y	0.844567	Y	0.35	Y
10	Moga	1.93	Y	0.391447	Y	1.44	Y
11	Firozpur	2.66	N	2.454855	Y	0.12	Y
12	Sri Muktsar Sahib	0.17	Y	1.313572	Y	1.69	Y
13	Faridkot	0.33	Y	0.525675	Y	0.30	Y
14	Bathinda	4.39	N	4.944944	N	1.98	Y
15	Mansa	1.29	Y	1.779982	Y	2.14	Y
16	Sangrur	0.36	Y	0.553605	Y	1.34	Y
17	Patiala	2.94	N	2.6165	N	4.70	N
18	S.A.S Nagar	1.71	Y	0.940749	Y	5.58	N
19	Barnala	0.91	Y	1.077673	Y	0.18	Y
20	Tarn Taran	0.04	Y	1.447408	Y	1.94	Y
	ALL	4.27	N	3.452867	N	3.01	N

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-I and TYPE-II] MEAN TEST

Table-0.3(U): District wise test of MPCE difference(URP,MRP,MMRP) for pooled sample

$Z_{0.005} = 2.575$ [one sided test] reject if absolute z-value $> Z_{0.005}$

Dist code	District Name	URP		MRP		MMRP	
		Z-value	Accept	Z-value	Accept	Z-value	Accept
1	Gurdaspur	0.63	Y	1.14341	Y	1.24	Y
2	Amritsar	1.08	Y	0.34409	Y	0.15	Y
3	Kapurthala	6.94	N	6.00794	N	3.79	N
4	Jalandhar	3.08	N	3.24009	N	2.75	N
5	Hoshiarpur	1.70	Y	3.7416	N	3.52	N
6	S.B.S Nagar	2.83	N	1.86103	Y	1.34	Y
7	Roopnagar	1.20	Y	1.19676	Y	0.00	Y
8	Fatehgarh Sahib	3.54	N	11.5639	N	0.98	Y
9	Ludhiana	5.63	N	5.12842	N	0.98	Y
10	Moga	1.91	Y	0.51804	Y	1.76	Y
11	Firozpur	1.17	Y	0.1843	Y	0.28	Y
12	Sri Muktsar Sahib	0.50	Y	0.29180	Y	0.20	Y
13	Faridkot	1.48	Y	0.87506	Y	1.83	Y
14	Bathinda	1.84	Y	1.79222	Y	1.14	Y
15	Mansa	3.09	N	2.61569	N	3.39	N
16	Sangrur	1.34	Y	0.97837	Y	0.37	Y
17	Patiala	1.88	Y	1.21956	Y	1.42	Y
18	S.A.S Nagar	1.76	Y	1.87626	Y	1.66	Y
19	Barnala	0.95	Y	1.30884	Y	1.03	Y
20	Tarn Taran	1.05	Y	0.22110	Y	0.76	Y
	ALL	6.98	N	6.03771	N	2.96	N

CHAPTER-III

POOLED RESULTS OF SCHEDULE 1.0

State: PUNJAB Sector: RURAL [SCHEDULE 1.0 TYPE-I] Pooling method: MATCHING RATIO									
Table-1.1a(R): District wise estimated no of households(00) and their RSEs for central, state and pooled sample									
Dist code	Estimated_households (00)			RSE of Estimated households			Sample households		
	central	state	pooled	central	state	pooled	central	state	pooled
1	3239	3400	3320	1.98	1.66	1.29	128	128	256
2	2244	2331	2288	5.95	2.09	3.11	96	96	192
3	1083	1110	1096	10.07	10.4	7.24	64	64	128
4	2364	2546	2455	4.54	5.07	3.42	96	96	192
5	2619	2440	2529	2.73	2.06	1.73	128	128	256
6	1072	1156	1114	4.33	6.88	4.13	64	64	128
7	1285	897	1091	17.51	3.25	10.40	64	64	128
8	960	954	957	24.75	22.59	16.76	32	32	64
9	3005	2879	2942	9.35	7.25	5.95	128	128	256
10	1465	1456	1460	3.9	4.26	2.89	64	64	128
11	2841	2722	2781	4.48	1.32	2.38	128	128	256
12	1142	1214	1178	2.3	3.62	2.17	64	64	128
13	797	770	783	5.51	0.29	2.81	32	32	64
14	1687	1735	1711	2.88	2.58	1.93	96	96	192
15	1138	1102	1120	0.57	10.47	5.16	64	64	128
16	1917	2223	2070	12.18	2.6	5.81	88	96	184
17	2341	2193	2267	3.7	6.01	3.48	96	96	192
18	648	790	719	47.02	0.16	21.19	24	32	56
19	715	843	779	4.84	2.12	2.50	32	32	64
20	1599	1680	1640	0.58	1.36	0.75	64	64	128
ALL	34161	34440	34300	1.9	1.23	1.13	1552	1568	3120

State:PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-I] Pooling method: MATCHING RATIO

Table-1.1a(U): District wise estimated no of households(00) and their RSEs for central, state and pooled sample

Dist code	Estimated_households (00)			RSE of Estimated households			Sample households		
	central	state	pooled	central	state	pooled	central	state	pooled
1	1124	828	973	15.41	14.66	10.87	96	88	184
2	2552	1856	2204	7.26	7.31	5.21	192	192	384
3	783	506	645	14.34	17.01	10.97	64	64	128
4	2498	2269	2396	14.07	9.24	8.54	160	152	312
5	664	930	801	6.91	8.36	5.64	64	72	136
6	280	185	227	10.61	26.83	12.74	32	40	72
7	511	296	404	14.29	9.05	9.63	32	32	64
8	354	416	385	0.72	13.7	7.41	32	32	64
9	5511	4157	4834	15.06	5.06	8.86	255	256	511
10	447	395	421	30.58	38.23	24.19	32	32	64
11	999	780	890	11.78	11.02	8.19	96	96	192
12	561	349	455	47.97	30.84	31.85	32	32	64
13	353	502	427	49.77	34.83	29.02	32	32	64
14	1133	997	1065	2.42	6.26	3.20	64	64	128
15	304	286	295	20.57	1.75	10.63	32	32	64
16	1133	890	1011	10.95	5.05	6.53	96	96	192
17	1760	1324	1542	11.99	3.54	7.01	128	128	256
18	1138	909	1024	2.84	11.03	5.14	63	64	127
19	371	249	310	16.75	1.23	10.04	32	32	64
20	196	230	213	14.91	8.29	8.19	32	32	64
ALL	22670	18354	20521	4.63	2.62	2.81	1566	1568	3134

State: PUNJAB Sector: RURAL [SCHEDULE 1.0 TYPE-I] Pooling method: MATCHING RATIO

Table-1.1b(R): District wise estimated no of persons(00), sex ratio and their RSEs for central, state and pooled sample

Dist code	Est persons(00)			RSE of Est persons			Sex ratio			RSE of Sex ratio		
	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled
1	14630	17295	15963	3.22	8.25	4.71	876	860	867	6.47	4.01	3.83
2	10909	11306	11108	4.8	8.86	5.09	979	776	870	6.48	9.22	5.50
3	4989	5430	5210	15.45	8.5	8.62	1015	870	937	5.18	4.81	3.59
4	10519	11594	11057	11.02	11.45	7.97	1096	1148	1123	4.15	9.48	5.25
5	12254	10495	11374	6.04	2.92	3.52	1047	842	947	6.31	3.4	3.80
6	4952	5273	5113	8.94	4.35	4.88	1075	794	920	11.77	7.36	7.57
7	4662	4320	4491	9.52	8.23	6.33	1023	881	952	16.44	7.82	9.55
8	5424	4463	4943	10.9	13.26	8.46	996	749	876	1.51	4.9	2.26
9	12613	13661	13137	9.03	5.32	5.14	867	887	877	6.91	8.55	5.51
10	7277	7110	7194	5.28	5.13	3.68	811	914	860	10	9.91	7.07
11	14700	12675	13688	3.82	3.27	2.55	788	941	856	2.84	9.08	5.16
12	5836	5862	5849	7.26	3.56	4.04	1008	859	931	5.75	7.16	4.54
13	3308	3735	3522	16.57	17.49	12.11	960	1051	1008	2.18	16.59	8.71
14	8083	8383	8233	2.38	4.23	2.45	918	760	834	6.75	5.79	4.56
15	5439	5149	5294	4.3	16.11	8.14	914	911	912	2.57	4.55	2.61
16	10197	10556	10377	12.54	7.17	7.16	940	848	892	7.37	3.71	4.26
17	11206	9754	10480	4.78	3.47	3.02	880	872	876	12.29	14.07	9.34
18	3494	3744	3619	58.26	7.88	28.42	736	937	835	9.83	13.14	8.55
19	3958	3798	3878	15.28	10.28	9.28	974	693	826	16.66	0.75	9.83
20	8820	8289	8555	1.95	6.51	3.31	1001	793	894	4.44	15.45	7.29
ALL	163271	162894	163083	2.17	1.84	1.42	932	870	901	1.78	2.14	1.38

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-I] Pooling method: MATCHING RATIO

Table-1.1b(U): District wise estimated no of persons(00), sex ratio and their RSEs for central, state and pooled sample

Dist code	Est persons(00)			RSE of Est persons			Sex ratio			RSE of Sex ratio		
	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled
1	4942	3781	4347	16.76	9.29	10.35	791	862	819	6.68	6.81	4.82
2	11253	8973	10113	4.84	11.71	5.85	904	845	878	8.03	9.16	6.04
3	3038	2147	2592	11.82	12.28	8.59	1128	927	1040	8.17	9.44	6.11
4	8461	8777	8625	7.62	6.94	5.14	898	772	815	7.38	12.1	7.03
5	2588	3769	3211	8.56	10.55	7.09	906	905	906	12.69	4.2	6.68
6	975	749	845	0.63	22.45	9.96	901	1190	1001	0.92	13.77	8.20
7	2509	1208	1858	27.5	15.66	19.25	875	809	853	13.93	28.01	15.08
8	1571	1676	1623	3.71	25.42	13.25	940	831	882	13.88	5.36	7.82
9	20087	16653	18370	11.5	6.44	6.93	881	618	752	8.3	12.5	7.07
10	1965	1801	1883	39.51	37.58	27.35	837	807	822	2.96	16.24	8.11
11	4782	3480	4131	11.94	13.96	9.07	869	751	817	3.77	7.07	3.82
12	2237	1698	1967	46.21	21.03	27.80	1013	1035	1023	2.07	13.97	7.14
13	1466	2324	1895	48.61	23.81	23.81	778	1063	943	0.53	0.58	0.39
14	4725	4966	4845	8.28	2.59	4.25	861	976	918	3.77	6.41	3.84
15	1368	1391	1380	18.29	6.8	9.69	847	920	883	17.39	0.59	8.35
16	4876	3527	4202	6.85	10.28	5.87	905	780	850	9.71	8.09	6.36
17	8618	5633	7126	10.07	4.18	6.31	912	886	901	3.11	4.68	2.79
18	4123	3630	3876	4.9	15.54	7.73	787	829	806	4.83	7.83	4.67
19	2388	1204	1796	17.51	2.26	11.67	942	784	886	2.23	9.71	4.46
20	874	1089	982	20.02	12.14	11.17	902	1008	959	17.78	13.34	10.91
ALL	92846	78475	85668	3.61	2.82	2.34	889	804	847	2.38	3.32	2.01

State: PUNJAB**Sector: RURAL [SCHEDULE 1.0 TYPE-I]****Table-1.6a(R): District wise estimate of MPCE(MRP) for central, state and pooled sample**

Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	899.55	1160.08	2059.63	815.09	1037.56	1852.65	853.8	1093.7	1947.5	869.08	1078.65	1944.97
2	883.27	1011.9	1895.17	783.2	920.72	1703.92	832.34	965.49	1797.84	863.53	1008.73	1884.48
3	797.84	1089.92	1887.76	700.29	818.12	1518.42	747	948.27	1695.27	715.88	921.26	1633.14
4	752.26	1075.33	1827.59	708.21	776.98	1485.19	729.16	918.9	1648.07	716.70	1032.54	1692.99
5	882.2	1139.01	2021.21	1067.81	1380.16	2447.97	967.83	1250.26	2218.09	1014.45	1206.42	2203.78
6	745.66	897.06	1642.72	743.69	1030.61	1774.3	744.64	965.94	1710.58	744.12	1011.78	1754.24
7	1013.22	1353.16	2366.38	996.99	1412.91	2409.9	1005.41	1381.9	2387.31	997.47	1406.69	2405.42
8	986.47	1414.51	2400.98	810.14	894.8	1704.94	906.88	1179.92	2086.8	973.26	935.35	1713.14
9	965.52	912.87	1878.39	853.01	1144.39	1997.4	907.03	1033.25	1940.27	916.70	1100.44	1962.32
10	938.21	1014.8	1953.01	971.63	890.31	1861.95	954.73	953.28	1908.01	957.59	920.36	1890.86
11	856.98	1111.34	1968.32	832.13	765.94	1598.07	845.47	951.41	1796.89	851.97	813.31	1735.98
12	757.56	1494.73	2252.29	953.44	803.49	1756.93	855.72	1148.34	2004.06	860.27	822.08	1781.09
13	882.85	1370.3	2253.15	920.39	848.3	1768.69	902.76	1093.45	1996.21	907.49	888.30	1826.82
14	959.84	1302.68	2262.52	777.13	886.49	1663.62	866.82	1090.8	1957.63	795.43	948.94	1758.65
15	1092.15	2164.67	3256.82	855.61	864.56	1720.17	977.12	1532.39	2509.51	909.50	902.66	1796.56
16	920.14	1217.53	2137.67	998.96	1329.37	2328.33	960.23	1274.41	2234.64	942.89	1236.60	2176.49
17	1016.83	1624.22	2641.06	774.32	894.33	1668.65	903.98	1284.56	2188.54	804.67	989.60	1793.17
18	911.33	1022.3	1933.63	836.23	844.47	1680.7	872.49	930.32	1802.8	872.92	899.76	1774.47
19	777.29	861.88	1639.17	919.34	1163.17	2082.51	846.86	1009.43	1856.29	853.73	1162.66	2081.55
20	799.41	848.72	1648.13	859.99	1037.58	1897.57	828.76	940.22	1768.98	825.00	946.24	1758.96
ALL	894.22	1182.21	2076.43	852.84	995.7	1848.53	873.55	1089.06	1947.5	871.25	1031.30	1907.09

State: PUNJAB

Sector: URBAN [SCHEDULE 1.0 TYPE-I]

Table-1.6a(U): District wise estimate of MPCE(MRP) for central, state and pooled sample

Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	913.79	1142.09	2055.88	966.56	1208.85	2175.41	933.18	1167.9	1962.61	929.62	1201.78	2124.05
2	885.72	1232.36	2118.08	873.88	1168.62	2042.49	880.47	1204.08	2101.08	882.76	1195.65	2082.76
3	949.43	1708.32	2657.76	707.75	962.3	1670.05	849.36	1399.41	2084.55	846.67	1007.21	1780.37
4	987.6	2367.42	3355.02	736.31	1017	1753.31	860.76	1674.56	2248.77	746.30	1029.86	1765.11
5	925.38	1248.75	2174.13	1135.14	1608.25	2743.39	1053.65	1474.85	2535.31	1019.00	1395.94	2368.59
6	940.27	1386.78	2327.05	698.18	1224.09	1922.27	838.51	1311.81	2528.49	703.44	1250.89	1954.24
7	978.27	1584.69	2562.96	844.89	1254.33	2099.22	934.93	1477.34	2150.32	952.18	1259.72	2104.66
8	942.18	1894.5	2836.68	1018.1	1639.15	2657.25	981.37	1762.69	2412.27	1012.76	1646.79	2698.51
9	997.66	1379.58	2377.24	665.98	1073.01	1738.98	847.32	1240.62	2744.06	725.18	1149.18	1895.14
10	1041.28	1269.04	2310.31	995.73	1164.32	2160.06	1019.5	1218.97	2087.95	1041.01	1239.56	2294.90
11	1004.52	1309.29	2313.82	941.38	1320.83	2262.21	977.93	1314.15	2238.47	967.94	1311.68	2295.76
12	811.37	895.73	1707.1	785.09	776.69	1561.78	800.03	844.36	2292.08	807.00	892.62	1696.31
13	1045.8	1775.59	2821.38	1064.17	1195.42	2259.59	1057.06	1419.82	1644.39	1057.43	1196.50	2259.82
14	1094.93	2752.45	3847.37	956.53	1320.97	2277.5	1024.01	2018.94	2476.88	984.71	1333.14	2299.09
15	1090.67	1407.45	2498.12	773.77	763.25	1537.02	930.9	1082.67	3042.95	1085.71	1303.90	2450.03
16	1059.96	1676.41	2736.37	986.86	1474.21	2461.07	1029.27	1591.54	2013.57	987.75	1494.83	2482.23
17	1039.05	1949.18	2988.23	1033.02	1586.54	2619.56	1036.67	1805.84	2620.81	1034.45	1647.30	2687.94
18	1246.61	2514.06	3760.67	888.99	1236.64	2125.63	1079.17	1915.97	2842.51	1186.27	1268.84	2208.15
19	940.85	1536.08	2476.93	927.21	1184.16	2111.37	936.28	1418.14	2995.14	928.19	1345.35	2328.71
20	820.92	1035.4	1856.31	718.18	1087.9	1806.08	763.94	1064.52	2354.42	809.40	1073.55	1830.22
ALL	991.97	1639.09	2055.88	856.62	1208.1	2175.41	930.14	1167.9	1828.45	909.08	1249.50	2148.76

State: PUNJAB

Sector: RURAL [SCHEDULE 1.0 TYPE-I]

Table-1.6b(R): District wise estimate of MPCE(URP) for central, state and pooled sample

Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	899.55	1176.33	2075.84	815.09	1123.57	1938.69	655.75	688.03	1343.78	869.08	1083.24	1951.33
2	883.27	1118.45	2001.72	783.2	1047.59	1830.82	642.3	597.36	1239.66	863.53	1110.11	1983.27
3	797.84	1118.02	1915.86	700.29	1023.21	1723.54	606.23	491.9	1098.13	715.88	928.36	1639.37
4	752.26	1185.83	1938.08	708.21	904.42	1612.61	604.81	468.75	1073.53	716.70	1116.66	1747.22
5	882.2	1313.78	2195.97	1067.81	1453.15	2520.97	507.08	474.49	981.56	1014.45	1336.38	2314.11
6	745.66	1072.03	1817.66	743.69	1137.96	1881.66	641.55	492.72	1134.31	744.12	1034.88	1779.85
7	1013.22	1471.73	2484.94	996.99	1401.94	2398.89	755.49	826.56	1582.05	997.47	1418.17	2416.97
8	986.47	1252.95	2239.41	810.14	1001.41	1811.55	933.91	741.44	1675.36	973.26	929.67	1712.17
9	965.52	1071.16	2036.67	853.01	1289.35	2142.36	750.32	607.82	1358.15	916.70	1133.74	2007.70
10	938.21	1440.59	2378.78	971.63	1074.06	2045.72	774.95	642.01	1416.96	957.59	965.35	1985.34
11	856.98	1146.5	2003.48	832.13	914.12	1746.25	683.11	866.42	1549.52	851.97	815.39	1745.74
12	757.56	1051.21	1808.79	953.44	982.13	1935.56	614.74	617.93	1232.67	860.27	816.60	1760.75
13	882.85	1169.73	2052.57	920.39	1034.99	1955.4	698.23	756.81	1455.02	907.49	881.16	1808.75
14	959.84	1219.65	2179.45	777.13	866.8	1643.91	584.09	528.03	1112.13	795.43	942.34	1750.76
15	1092.15	1537.99	2630.13	855.61	1059.53	1915.13	583.23	564.28	1147.5	909.50	902.56	1787.74
16	920.14	1283.54	2203.65	998.96	1364.16	2363.11	495.85	515.14	1011.01	942.89	1292.06	2230.29
17	1016.83	1812.7	2829.55	774.32	958.88	1733.15	761.92	674.26	1436.21	804.67	993.11	1800.33
18	911.33	1265.91	2177.21	836.23	816.3	1652.57	415.96	462.33	878.28	872.92	940.28	1838.22
19	777.29	916.87	1694.12	919.34	1201.42	2120.74	509.21	423.49	932.71	853.73	1162.80	2081.72
20	799.41	1105.97	1905.38	859.99	1197.55	2057.53	614.64	607.7	1222.32	825.00	1061.89	1901.35
ALL	894.22	1242.18	2075.84	852.84	1102.42	1938.69	516.31	490.5	1343.78	871.25	1039.09	1951.33

State: PUNJAB

Sector: URBAN [SCHEDULE 1.0 TYPE-I]

Table-1.6b(U): District wise estimate of MPCE(URP) for central, state and pooled sample

Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	913.79	1330.65	2136.39	966.56	1363.26	1955.26	803.88	1075.07	1006.79	929.62	1218.62	1919.42
2	885.72	1403.01	2244.42	873.88	1293.84	2329.8	666.85	910.3	1878.94	882.76	1253.54	2202.14
3	949.43	1955.75	2288.73	707.75	1219.44	2167.67	713.28	699.71	1577.13	846.67	1008.59	2164.13
4	987.6	2220.91	2905.17	736.31	1211.8	1927.2	689.19	769.27	1412.99	746.30	1030.01	1787.65
5	925.38	1547.34	3208.49	1135.14	1835.07	1948.12	575.46	560.31	1458.45	1019.00	1578.75	1765.02
6	940.27	1665.09	2472.77	698.18	1280.22	2970.18	629.71	722.65	1135.78	703.44	1277.16	2581.45
7	978.27	1585.53	2605.29	844.89	1530.79	1978.44	905.31	1261.19	1352.37	952.18	1259.73	1966.01
8	942.18	1663.63	2563.81	1018.1	1713	2375.7	885.73	817.44	2166.52	1012.76	1640.09	2104.67
9	997.66	1459.86	2605.78	665.98	1286.09	2731.11	932.73	1996.94	1703.16	725.18	1161.19	2643.80
10	1041.28	1682.65	2457.49	995.73	1347.25	1952.05	1361.02	4066.43	2929.67	1041.01	1471.21	1906.11
11	1004.52	1598.91	2723.92	941.38	1434.68	2343.00	776.37	1161.12	5427.44	967.94	1521.02	2646.64
12	811.37	1001.42	2603.43	785.09	972.75	2376.05	738.05	1006.94	1937.49	807.00	994.13	2465.11
13	1045.8	2360.15	1812.85	1064.17	1383.48	1757.82	700.75	779.57	1744.98	1057.43	1196.65	1792.02
14	1094.93	2830.42	3405.95	956.53	1273.45	2447.67	713.74	821.65	1480.32	984.71	1333.12	2259.92
15	1090.67	1585.17	3925.34	773.77	878.45	2229.97	669.51	929.38	1535.37	1085.71	1424.52	2299.28
16	1059.96	1792.88	2675.81	986.86	1574.67	1652.23	560.71	569.53	1598.86	987.75	1502.99	2610.92
17	1039.05	2186.19	2852.84	1033.02	1705.25	2561.51	835.78	1137.72	1130.22	1034.45	1669.25	2488.95
18	1246.61	2344.64	3225.23	888.99	1304.9	2738.27	552.35	700.8	1973.52	1186.27	1268.64	2718.60
19	940.85	1431.23	3591.26	927.21	1556.41	2193.89	606.96	561.34	1253.14	928.19	1306.03	2206.35
20	820.92	1236.39	2372.05	718.18	1199.33	2483.65	698.09	792.26	1168.29	809.40	1118.89	2271.75
ALL	991.97	1330.65	2057.34	856.62	1363.26	1917.49	607.68	1075.07	1490.35	909.08	1218.62	1914.03

State: PUNJAB**Sector: RURAL [SCHEDULE 1.0 TYPE-I]****Table-1.6(R): District wise estimate of RSE of Total MPCE for central, state and pooled sample**

Dist code	MRP				URP			
	central	state	PoolbY_MR	PoolbY_IV	central	state	PoolbY_MR	PoolbY_IV
1	8.03	8.01	5.70	5.68	8.03	6.87	8.30	5.68
2	1.82	8.32	4.06	1.78	1.82	8.28	5.90	1.78
3	7.01	5.85	4.70	4.52	7.01	3.5	7.33	4.52
4	4.31	6.59	3.81	3.62	4.31	6	5.99	3.64
5	2.66	2.54	1.85	1.85	2.66	1.24	4.35	1.84
6	15.05	5.91	7.85	5.50	15.05	4.4	12.91	5.50
7	16.9	5.62	8.84	5.33	16.9	1.99	13.95	5.33
8	16.19	2.49	9.37	2.46	16.19	7.1	10.89	2.46
9	6.3	3.83	3.63	3.27	6.3	4.55	5.50	3.27
10	9.84	7.04	6.10	5.73	9.84	7.34	9.47	5.76
11	6.07	5.76	4.20	4.20	6.07	6.64	4.92	4.20
12	16.33	4.74	9.41	4.56	16.33	3.18	12.45	4.55
13	38.37	18.05	23.08	16.39	38.37	19.15	29.20	16.36
14	4.91	2.9	3.09	2.52	4.91	3.8	5.28	2.51
15	25.84	11.19	17.20	10.44	25.84	9.46	30.78	10.36
16	7.27	13.2	7.71	6.37	7.27	12.47	17.14	6.37
17	13.14	7.97	8.49	6.93	13.14	8.06	13.75	6.96
18	11.03	9.74	7.46	7.32	11.03	11.72	16.55	7.36
19	25.07	0.92	11.08	0.92	25.07	0.81	22.79	0.92
20	6.97	6.77	4.87	4.87	6.97	8.7	7.56	4.86
ALL	2.74	1.81	1.68	1.51	2.74	1.75	3.35	1.51

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-I]

Table-1.6(U): District wise estimate of RSE of Total MPCE for central, state and pooled sample

Dist code	MRP				URP			
	central	state	PoolbY_MR	PoolbY_IV	central	state	PoolbY_MR	PoolbY_IV
1	3.84	3.15	2.49	2.44	3.84	4.33	7.23	2.44
2	7.09	7.85	5.27	5.26	7.09	6.58	6.30	5.27
3	5.83	3.29	3.66	2.91	5.83	2.82	16.21	2.92
4	14.68	2.42	9.75	2.39	14.68	2.48	7.03	2.39
5	4.09	4.5	3.01	3.05	4.09	3.31	8.93	3.03
6	8.97	3.18	5.06	3.00	8.97	2.9	8.95	3.01
7	15.03	2	8.03	1.98	15.03	1.08	0.43	1.98
8	0.48	0.28	0.28	0.24	0.48	0.12	2.18	0.24
9	4.55	3.54	2.98	2.82	4.55	3.5	2.72	2.83
10	4.02	12.72	6.48	3.83	4.02	12.59	7.56	3.84
11	7.16	9.98	6.11	5.82	7.16	6.98	14.34	5.83
12	7.95	30.68	15.14	7.70	7.95	30.22	26.18	7.70
13	22.75	0.58	12.96	0.58	22.75	2.36	29.10	0.58
14	22.61	4.51	14.39	4.44	22.61	3.24	11.53	4.44
15	3.29	23.3	9.12	3.27	3.29	20.63	12.94	3.27
16	9.88	3.17	5.37	3.02	9.88	3.68	8.16	3.02
17	9.13	4.97	5.32	4.37	9.13	3.78	33.28	4.38
18	22.58	9.21	14.55	8.64	22.58	6	11.75	8.63
19	7.18	10.2	5.93	5.89	7.18	4.92	8.06	5.88
20	8.82	8.72	6.21	6.20	8.82	13.18	3.89	6.21
ALL	3.29	1.75	1.98	1.55	3.29	1.53	7.23	1.55

State: PUNJAB Sector:RURAL [SCHEDULE 1.0 TYPE-II] Pooling method: MATCHING RATIO

Table-2.1a(R): District wise estimated no of households(00) and their RSEs for central, state and pooled sample

Dist code	Estimated_households (00)			RSE of Estimated households			Sample households		
	central	state	pooled	central	state	pooled	central	state	pooled
1	3239	3400	3320	1.98	1.66	1.29	128	128	256
2	2244	2331	2288	5.95	2.09	3.11	96	96	192
3	1083	1110	1096	10.07	10.4	7.24	64	64	128
4	2364	2546	2455	4.54	5.07	3.42	96	96	192
5	2619	2440	2529	2.73	2.06	1.73	128	128	256
6	1072	1156	1114	4.33	6.88	4.13	64	64	128
7	1285	897	1091	17.51	3.25	10.40	64	64	128
8	960	954	957	24.75	22.59	16.76	32	32	64
9	3005	2879	2942	9.35	7.25	5.95	128	128	256
10	1465	1456	1460	3.9	4.26	2.89	64	64	128
11	2841	2722	2781	4.48	1.32	2.38	128	128	256
12	1142	1214	1178	2.3	3.62	2.17	64	64	128
13	797	770	783	5.51	0.29	2.81	32	32	64
14	1687	1735	1711	2.88	2.58	1.93	96	96	192
15	1138	1102	1120	0.57	10.47	5.16	64	64	128
16	1917	2223	2070	12.18	2.6	5.81	88	96	184
17	2341	2193	2267	3.7	6.01	3.48	96	96	192
18	648	790	719	47.02	0.16	21.19	24	32	56
19	715	843	779	4.84	2.12	2.50	32	32	64
20	1599	1680	1640	0.58	1.36	0.75	64	64	128
ALL	34161	34440	34300	1.9	1.23	1.13	1552	1568	3120

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-II] Pooling method: MATCHING RATIO

Table-2.1a(U): District wise estimated no of households(00) and their RSEs for central, state and pooled sample

Dist code	Estimated_households (00)			RSE of Estimated households			Sample households		
	central	state	pooled	central	state	pooled	central	state	pooled
1	1124	828	973	15.41	14.66	10.87	470	88	184
2	2552	1856	2204	7.26	7.31	5.21	877	192	384
3	783	506	645	14.34	17.01	10.97	305	64	128
4	2498	2269	2396	14.07	9.24	8.54	663	152	312
5	664	930	801	6.91	8.36	5.64	244	72	136
6	280	185	227	10.61	26.83	12.74	147	40	72
7	511	296	404	14.29	9.05	9.63	113	32	64
8	354	416	385	0.72	13.7	7.41	120	32	64
9	5511	4157	4834	15.06	5.06	8.86	1057	256	512
10	447	413	425	30.58	40.89	25.56	114	32	64
11	999	780	890	11.78	11.02	8.19	430	96	192
12	561	349	455	47.97	30.84	31.85	148	32	64
13	353	502	427	49.77	34.83	29.02	169	32	64
14	1133	997	1065	2.42	6.26	3.20	281	64	128
15	304	286	295	20.57	1.75	10.63	157	32	64
16	1133	890	1011	10.95	5.05	6.53	438	96	191
17	1760	1324	1542	11.99	3.54	7.01	576	128	255
18	1138	909	1024	2.84	11.03	5.14	246	64	128
19	371	249	310	16.75	1.23	10.04	143	32	64
20	196	230	213	14.91	8.29	8.19	151	32	64
ALL	22670	18372	20525	4.63	2.65	2.82	6849	1568	3134

Table-2.1b(R): District wise estimated no of persons(00), sex ratio and their RSEs for central, state and pooled sample

Dist code	Est persons(00)			RSE of Est persons			Sex ratio			RSE of Sex ratio		
	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled
1	14892	18054	16473	2.87	2.8	2.01	973	898	931	6.54	3.03	3.72
2	10451	10943	10697	6.43	5.98	4.38	953	847	897	5.86	7.47	4.70
3	5494	4647	5070	13.09	15.46	10.02	922	770	850	7.02	11.98	6.63
4	9634	11398	10516	9.53	6.07	5.47	903	954	931	11.19	5.2	6.05
5	11484	10330	10907	7.32	3.31	4.16	1142	989	1066	8.97	5.25	5.39
6	4405	5163	4784	7.22	11.3	6.94	760	914	840	5.05	8.62	5.22
7	4815	4040	4427	8.76	9.12	6.33	1068	832	953	27.41	6.78	15.64
8	4973	4101	4537	18.69	14.59	12.18	962	632	798	16.93	3.9	10.32
9	15293	14663	14978	12.21	6.84	7.08	807	762	784	6.08	4.09	3.71
10	6776	7163	6970	12.6	9.67	7.89	858	867	863	7.04	1.42	3.57
11	14795	12970	13882	7.73	2.39	4.27	1068	818	943	7.36	5.56	4.82
12	4607	6547	5577	3.45	9.22	5.60	800	866	838	6.62	12.36	7.13
13	3637	4331	3984	1.03	7.28	3.98	797	835	817	2.49	21.22	10.91
14	7975	8397	8186	6.1	1.5	3.07	780	913	846	12.6	10.65	8.17
15	5477	5229	5353	15.45	14.42	10.59	913	926	919	8.69	5.83	5.22
16	8872	9512	9192	8.76	4.39	4.80	815	790	802	6.09	9.27	5.52
17	11686	9936	10811	9.52	5.03	5.64	765	871	812	4.89	6.51	4.18
18	2968	3715	3342	60.7	1.83	26.97	759	761	760	18.57	20.45	13.81
19	3513	4011	3762	19.76	8.6	10.30	1000	729	846	5.53	11.32	5.87
20	8095	7794	7945	2.9	5.08	2.90	887	948	917	2.92	13.69	7.22
ALL	159842	162943	161392	2.5	1.5	1.45	903	855	931	2.09	1.84	1.40

State: PUNJAB Sector: URBAN [SCHEDULE 1.0 TYPE-II] Pooling method: MATCHING RATIO

Table-2.1b(U): District wise estimated no of persons(00), sex ratio and their RSEs for central, state and pooled sample

Dist code	Est persons(00)			RSE of Est persons			Sex ratio			RSE of Sex ratio		
	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled	centrl	state	pooled
1	5593	3396	4483	21.01	10.33	13.68	1017	952	879	4.83	10.5	5.60
2	11874	8623	10249	10.67	10.3	7.55	824	807	994	3.92	6.04	3.58
3	3329	2322	2825	16.64	14.41	11.45	1095	980	817	5.69	2.08	3.13
4	8829	9748	9384	6.38	9.9	5.95	1024	725	1046	9.1	10.09	6.87
5	2347	3770	3085	16.3	8.97	8.28	813	922	862	13.63	8.13	7.53
6	1205	832	991	7.52	32.65	14.45	853	848	888	6.16	4.07	3.68
7	1592	1201	1396	1.62	10.27	4.51	724	885	854	7.98	16.33	9.85
8	1308	1863	1585	2.52	9.87	5.89	711	1044	790	7.53	1.47	3.12
9	20331	16593	18462	13.85	5.91	8.08	838	562	892	7.54	9.36	5.86
10	1655	1994	1791	25.87	47.86	29.20	900	1065	702	18.79	17.38	12.90
11	4396	3520	3958	10.38	11.18	7.61	862	737	972	4.99	8.3	4.64
12	2656	1536	2096	48.96	28.76	32.76	833	1062	805	6.21	12.86	8.02
13	1596	2714	2155	49.76	40.48	31.45	792	864	911	0.13	2.32	1.20
14	4685	4683	4684	7.42	5.9	4.74	881	874	837	11.14	3.48	5.86
15	1394	1327	1360	20.12	8.39	11.09	1047	944	877	4.66	6.74	4.03
16	5281	3832	4557	18.07	8.57	11.07	1065	781	995	8.14	11.8	6.77
17	7928	6074	7001	9.12	6.92	5.97	930	926	935	6.04	2.57	3.29
18	4183	4150	4166	6.41	17.44	9.26	807	841	928	14	6.06	7.52
19	1776	1219	1497	24.45	0.28	14.50	954	796	824	17.86	4.54	9.83
20	898	954	926	24.31	13.06	13.57	781	1014	886	10.01	3.43	4.79
ALL	92855	80351	86654	4.35	3.18	2.76	893	785	894	2.34	2.7	1.77

State: PUNJAB **Sector: RURAL [SCHEDULE 1.0 TYPE-II]**

Table-2.6a(R): District wise estimated of MPCE(MMRP) for central, state and pooled sample

Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	973.52	1173.1	2146.61	1013.69	1094.81	2108.47	995.54	1130.2	2125.71	978.16	1153.205	2139.38
2	1034.67	1163.41	2198.05	930.31	988.1	1918.36	981.29	1073.75	2055	1024.88	1054.897	2134.38
3	880.68	1338.15	2218.8	981.27	966.56	1947.8	926.77	1167.87	2094.62	902.34	1178.882	2149.77
4	861.59	1193.32	2054.89	940.04	1028.78	1968.8	904.1	1104.15	2008.24	901.04	1109.381	2023.92
5	1005.25	1314.4	2319.68	1232.63	1428.85	2661.52	1112.93	1368.6	2481.56	1119.89	1412.118	2623.53
6	898.16	1166.61	2064.73	1162.5	1245.56	2408.1	1040.79	1209.21	2250	1159.82	1245.209	2406.68
7	1122.26	1431.08	2553.25	1172.38	1407.06	2579.47	1145.13	1420.12	2565.21	1172.24	1408.12	2579.07
8	1136.84	1593.35	2730.2	1168.51	1182.87	2351.36	1151.15	1407.82	2558.98	1160.84	1540.168	2583.42
9	1059.02	1101.58	2160.58	1041.84	1205.64	2247.48	1050.61	1152.52	2203.12	1045.16	1194.981	2235.64
10	1056.21	1047.35	2103.51	1272.15	1184.66	2456.8	1167.18	1117.91	2285.06	1260.67	1169.943	2437.59
11	888.74	1186.38	2075.11	1036.32	1076.37	2112.7	957.68	1134.99	2092.67	986.60	1088.002	2107.52
12	927.27	1357.75	2284.96	904.1	852.5	1756.54	913.67	1061.19	1974.79	907.04	856.8254	1771.32
13	1026.87	1212.35	2239.17	1033.15	1087.31	2120.47	1030.28	1144.38	2174.65	1032.44	1093.943	2129.74
14	982.94	1171.48	2154.4	904.27	893.38	1797.63	942.59	1028.85	1971.42	941.80	994.8707	2000.08
15	1295.94	1152.22	2448.15	958.27	885.9	1844.12	1131.01	1022.14	2153.13	960.22	893.7745	1846.51
16	1098.56	1779.07	2877.65	1203.14	1358.95	2562.03	1152.67	1561.7	2714.35	1170.96	1624.713	2753.43
17	1242.39	1599.97	2842.38	1027.89	932.81	1960.7	1143.82	1293.39	2437.22	1126.80	1503.344	2709.51
18	1124.59	1952.4	3076.98	1067.92	754.44	1822.35	1093.09	1286.51	2379.58	1115.60	1112.562	2668.30
19	1069.72	1442.44	2512.17	1153.57	1340.31	2493.92	1114.42	1387.99	2502.44	1127.44	1415.464	2510.20
20	1146.76	1605.8	2752.59	1076.76	1003.72	2080.42	1112.42	1310.47	2422.88	1126.59	1030.446	2217.58
ALL	1032.87	1311.8	2344.66	1052.45	1100.18	2152.62	1042.76	1204.97	2125.71	1042.23	1143.662	2214.88

State: PUNJAB			Sector: URBAN [SCHEDULE 1.0 TYPE-II]									
Table-2.6a(U): District wise estimated of MPCE(MMRP) for central, state and pooled sample												
Dist code	Central Sample			State Sample			Pooled_matching_ratio			Pooled_inverse_var		
	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total	Food	N-food	Total
1	1042.28	1329.55	2371.84	1202.7	1460.21	2662.8	1113	1383.52	2247.72	1054.54	1347.94	2397.66
2	1082.18	1379.88	2462.06	1126.74	1282.54	2409.28	1100.93	1338.93	2496.48	1096.42	1309.91	2432.16
3	1052.79	1823.01	2875.73	968.5	1115.72	2084.28	1018.15	1532.38	2439.85	994.63	1669.93	2595.48
4	1140.36	1829.89	2970.21	946.1	1131.23	2077.33	1034.07	1450.44	2550.52	967.27	1194.43	2161.27
5	1025.82	1326.47	2352.26	1363.99	1811.42	3175.38	1243.11	1641.81	2484.49	1161.67	1545.99	2656.69
6	1000.06	1777.18	2777.18	1013.16	1219.19	2232.37	1008.83	1560.18	2884.89	1008.83	1220.38	2246.15
7	1260.02	1462.42	2722.51	1160.76	1559.49	2720.25	1217.35	1504.15	2568.99	1179.75	1554.35	2720.48
8	1316.23	1709.27	3025.46	1098.44	1281.16	2379.66	1188.26	1457.71	2721.54	1196.44	1363.10	2540.97
9	1145.05	1401.81	2546.85	1101.97	1273.86	2375.84	1125.69	1344.31	2645.98	1117.78	1296.39	2416.84
10	1080.02	1782.9	2862.96	1333.91	1332.55	2666.49	1229.88	1556.16	2470	1276.29	1563.23	2836.80
11	1067.67	1563.29	2630.93	1204.22	1554.29	2758.5	1128.4	1559.29	2786.07	1197.79	1555.58	2746.17
12	882.03	1173.29	2055.24	1012.63	1146.03	2158.56	929.89	1163.3	2687.67	931.06	1169.22	2076.69
13	973.57	1337.47	2310.93	1198.96	1377.55	2576.53	1115.51	1362.71	2093.1	1070.14	1342.04	2369.27
14	1151.1	1856.96	3008.11	1150.31	1312.24	2462.58	1150.71	1584.65	2478.19	1150.80	1403.97	2601.58
15	1181.01	1706.43	2887.43	875.69	943.54	1819.21	1032.07	1334.29	2735.39	1079.64	1543.53	2879.67
16	1325.24	1639.37	2964.66	1202.56	1550.32	2752.88	1273.65	1601.92	2366.35	1229.19	1552.27	2758.69
17	1334.12	2142.23	3476.32	1307.53	1629.2	2936.71	1322.58	1919.67	2875.6	1312.70	1713.43	3015.41
18	1290.91	2850.41	4141.37	1218.16	1280.21	2498.32	1254.68	2068.45	3242.23	1255.55	1303.10	2565.15
19	1173.06	2123.02	3296.01	1134.39	1596.75	2731.08	1157.32	1908.83	3323.13	1170.77	1601.68	2791.22
20	1083.54	1414.8	2498.33	969.85	1151.76	2121.68	1024.99	1279.33	3066.08	1077.67	1405.59	2482.32
ALL	1145	1329.55	2794.02	1134.43	1460.21	2479.72	1140.67	1383.52	2304.34	1138.96	1383.47	2542.29

State: PUNJAB**[SCHEDULE 1.0 TYPE-II]****Table-2.6: District wise estimated of RSE of Total MPCE for central, state and pooled sample**

Dist code	RURAL				URBAN			
	central	state	PoolbY_MR	PoolbY_IV	central	state	PoolbY_MR	PoolbY_IV
1	4.72	9.94	5.48	4.26	2.95	8.42	4.70	2.79
2	4.43	9.35	4.97	4.01	10.85	9.7	7.27	7.23
3	5.82	11.34	6.11	5.19	4.32	8.05	4.09	3.85
4	4.05	5.64	3.45	3.29	10.4	4.79	6.53	4.38
5	3.18	0.98	1.58	0.94	6.05	5.85	4.06	4.25
6	12.12	0.67	5.57	0.67	14.47	2.9	7.92	2.85
7	16.8	2.08	8.43	2.06	19.28	6.45	10.17	6.12
8	4	5.84	3.43	3.31	18.92	13.88	12.49	11.26
9	10.58	4.04	5.58	3.77	5.98	3.6	3.54	3.09
10	11.35	2.33	5.37	2.28	1.42	3.89	2.00	1.33
11	13.91	5.46	7.43	5.08	16.22	5.06	8.35	4.83
12	13.46	2.97	7.90	2.90	11.5	21.39	12.39	10.13
13	16.76	5.15	8.99	4.92	2.94	4.97	2.92	2.53
14	5.5	7.55	4.57	4.46	13.72	9.8	8.74	8.01
15	11.48	0.96	6.54	0.96	0.93	17.26	6.66	0.93
16	5.15	7.18	4.35	4.19	18.79	3.4	9.82	3.35
17	2.56	8.81	3.85	2.47	10.12	4.95	5.87	4.46
18	4.17	10.13	4.72	3.95	23.35	7.97	14.85	7.60
19	1.32	3.82	2.02	1.25	15.7	6.54	8.93	6.05
20	11.24	7.53	7.16	6.30	4.09	22.86	10.75	4.03
ALL	2.24	1.69	1.42	1.35	3.4	1.91	2.00	1.67

CHAPTER-IV

POOLED RESULTS OF SCHEDULE 10

State:PUNJAB Sector: RURAL [SCHEDULE 10] Pooling method: MATCHING RATIO									
Table-21.1(R): District wise estimated no persons(00) for central, state and pooled sample									
Dist code	Male (00)			Female(00)			Persons(00)		
	central	state	pooled	central	state	pooled	central	state	pooled
1	8063	9371	8717	7485	8275	7880	15548	17646	16597
2	5969	5996	5983	5293	5121	5207	11263	11117	11190
3	2339	2970	2655	2470	2772	2621	4810	5743	5276
4	5377	6666	6021	5421	5555	5488	10798	12222	11510
5	5778	5635	5707	5884	4143	5014	11663	9777	10720
6	2416	2965	2691	2483	2488	2486	4899	5453	5176
7	2230	2089	2159	2254	1563	1908	4483	3652	4067
8	2603	2530	2567	2206	2078	2142	4809	4608	4708
9	7059	7093	7076	6596	6099	6348	13655	13192	13424
10	3696	3794	3745	3466	3713	3589	7162	7507	7334
11	7209	6851	7030	6872	5465	6168	14081	12315	13198
12	2866	3091	2979	2600	2525	2562	5466	5616	5541
13	2512	1996	2254	1827	1864	1846	4339	3860	4100
14	4606	3862	4234	4171	3559	3865	8777	7421	8099
15	2836	2546	2691	2322	2095	2209	5158	4642	4900
16	5263	5340	5301	4627	4290	4458	9889	9630	9759
17	6285	4660	5472	5852	3294	4573	12137	7954	10046
18	1720	1983	1852	1121	1810	1466	2840	3794	3317
19	1762	2105	1933	1946	1865	1906	3708	3970	3839
20	3878	4190	4034	3397	3444	3421	7276	7634	7455
ALL	84467	85733	85100	78292	7202	75156	162760	157753	160256

State: PUNJAB Sector: URBAN [SCHEDULE 10] Pooling method: MATCHING RATIO**Table-21.1(U): District wise estimated no persons(00) for central, state and pooled sample**

Dist code	Male (00)			Female(00)			Persons(00)		
	central	state	pooled	central	state	pooled	central	state	pooled
1	2648	2043	2339	2611	1793	2195	5258	3836	4534
2	5717	4211	4964	5192	3357	4274	10908	7568	9238
3	1833	1193	1513	1654	878	1266	3488	2071	2779
4	4778	5262	5063	4074	3693	3930	8852	8955	8993
5	1666	2074	1882	1276	1621	1469	2943	3694	3352
6	630	474	533	549	370	447	1179	843	980
7	975	681	828	828	587	708	1804	1268	1536
8	743	939	841	540	834	687	1284	1774	1529
9	11442	10393	10899	9207	6538	7852	20649	16930	18750
10	1212	967	1089	1082	1004	1043	2295	1970	2132
11	2370	1825	2111	2187	1376	1787	4557	3201	3898
12	1077	747	912	1000	772	886	2077	1519	1798
13	820	1127	973	765	978	871	1585	2104	1845
14	2579	2117	2348	2224	2393	2308	4802	4510	4656
15	799	613	706	712	638	675	1511	1251	1381
16	2628	2087	2357	2787	1582	2184	5414	3670	4542
17	3956	2998	3477	3613	2364	2989	7569	5362	6466
18	2345	1915	2130	1785	1563	1674	4130	3478	3804
19	1007	549	778	766	565	666	1773	1114	1444
20	489	629	559	411	580	496	900	1209	1055
ALL	49714	42844	46304	43264	33486	38407	92978	76330	84711

State:PUNJAB Sector:RURAL [SCHEDULE 10] Pooling method: MATCHING RATIO**Table-21.2(R): District wise WPR per 1000(PS+SS) for central, state and pooled sample**

Dist code	Male			Female			Persons		
	central	state	pooled	central	state	pooled	central	state	pooled
1	502	544	525	152	72	110	334	323	328
2	583	626	604	88	96	92	350	382	366
3	573	526	547	189	18	99	376	281	324
4	577	539	556	286	8	145	431	298	360
5	522	534	528	160	15	100	339	314	328
6	531	412	465	202	71	137	364	257	308
7	496	554	524	68	0	40	281	317	297
8	556	508	532	268	21	148	424	288	358
9	602	575	588	123	35	81	371	325	348
10	570	523	546	232	25	125	407	277	340
11	540	522	531	379	5	213	461	293	383
12	650	574	611	308	7	160	487	319	402
13	670	560	621	500	108	302	598	342	478
14	589	515	555	383	49	230	491	292	400
15	659	593	628	605	0	318	634	325	488
16	545	560	553	290	2	151	426	311	369
17	626	477	563	213	42	151	427	297	375
18	531	451	488	169	20	77	388	245	306
19	447	569	513	230	8	121	333	306	319
20	542	567	555	107	97	102	339	355	347
ALL	566	541	553	234	38	140	406	311	360

State: PUNJAB Sector: URBAN [SCHEDULE 10] Pooling method: MATCHING RATIO**Table-21.2(U): District wise WPR per 1000(PS+SS) for central, state and pooled sample**

Dist code	Male			Female			Persons		
	central	state	pooled	central	state	pooled	central	state	pooled
1	529	562	540	152	57	114	342	326	334
2	585	554	572	87	87	87	348	347	347
3	540	489	520	201	32	143	379	295	348
4	595	597	597	176	27	105	402	362	382
5	536	495	513	146	24	78	367	289	322
6	514	477	507	134	0	82	337	268	314
7	473	551	505	208	40	138	351	315	336
8	722	500	598	169	4	69	489	267	360
9	604	633	618	107	20	71	383	396	389
10	525	491	510	215	37	130	379	260	324
11	564	484	527	164	47	119	372	296	340
12	630	532	590	118	4	69	383	264	333
13	537	481	504	67	0	29	310	257	280
14	557	494	529	103	37	69	347	251	301
15	507	512	509	256	19	144	389	261	331
16	621	503	569	190	26	131	399	297	358
17	567	518	546	143	7	89	365	292	335
18	496	551	521	82	29	58	317	317	317
19	444	489	460	115	0	66	302	241	279
20	473	535	508	39	31	34	275	293	286
ALL	570	556	563	136	31	90	368	326	349

State:PUNJAB Sector: RURAL [SCHEDULE 10] Pooling method: MATCHING RATIO

Table-21.3(R): District wise LFPR per 1000 for central, state and pooled sample

Dist code	PS+SS			CWS			CDS		
	central	state	pooled	central	state	pooled	central	state	pooled
1	344	332	338	347	332	339	309	332	321
2	356	382	369	346	382	364	338	382	360
3	377	281	324	377	281	324	352	281	313
4	437	298	363	434	298	362	380	298	336
5	353	317	337	353	317	337	321	317	319
6	368	257	309	368	257	309	331	257	292
7	322	317	320	321	317	319	307	317	311
8	449	288	370	441	288	366	383	288	337
9	371	325	348	369	325	348	346	325	336
10	420	277	346	416	277	345	376	277	325
11	466	293	385	441	291	371	364	291	330
12	491	319	404	466	319	392	408	319	363
13	598	342	478	583	342	469	492	316	409
14	496	292	402	479	282	389	398	276	342
15	634	325	488	561	325	449	467	325	400
16	434	313	374	410	313	363	352	313	333
17	430	297	377	415	297	368	375	297	344
18	431	245	325	424	245	322	402	245	312
19	342	312	327	342	312	327	275	312	294
20	344	358	351	341	358	350	340	358	349
ALL	414	313	365	404	312	359	359	312	336

State: PUNJAB Sector: URBAN [SCHEDULE 10] Pooling method: MATCHING RATIO**Table-21.3(U): District wise LFPR per 1000 for central, state and pooled sample**

Dist code	PS+SS			CWS			CDS		
	central	state	pooled	central	state	pooled	central	state	pooled
1	361	330	347	364	332	350	342	332	337
2	350	349	350	349	352	351	345	352	348
3	393	295	357	393	295	357	387	295	353
4	413	362	387	411	362	386	398	362	380
5	381	289	329	376	289	326	360	289	320
6	396	268	349	384	268	342	380	268	339
7	383	315	355	370	315	347	370	315	347
8	511	268	370	492	268	362	468	268	352
9	383	396	389	382	396	388	379	396	387
10	385	273	333	362	273	321	337	273	307
11	390	308	355	382	309	351	368	309	343
12	383	266	334	383	266	334	370	266	326
13	360	257	301	351	257	298	345	257	295
14	348	256	303	342	248	296	337	248	294
15	398	261	336	362	261	316	357	261	313
16	412	302	367	417	302	371	390	302	355
17	381	294	345	381	294	345	374	294	341
18	336	317	327	336	317	327	335	317	327
19	317	241	287	317	241	287	293	241	273
20	299	293	296	299	293	296	293	293	293
ALL	379	328	356	376	328	354	367	328	349

State: PUNJAB Sector: RURAL [SCHEDULE 10] Pooling method: MATCHING RATIO

Table-21.4(R): District wise RSE of LFPR for central, state and pooled sample

Dist code	PS+SS			CWS			CDS		
	central	state	pooled	central	state	pooled	central	state	pooled
1	6.9	9.9	18.27	6.85	9.9	5.98	7.14	5.89	4.58
2	7.26	9.15	3.07	6.44	9.15	5.69	3.42	7.2	4.11
3	5.71	1.9	13.45	5.71	1.9	3.42	3.07	5.02	2.91
4	2.12	6.4	0.00	2.47	6.4	3.02	6.54	5.31	4.26
5	9.07	2.39	3.32	9.07	2.39	4.88	2.57	2.53	1.80
6	7.56	12.99	16.01	7.56	12.99	7.03	9.08	8.72	6.47
7	8.18	6.77	9.31	9.29	6.77	5.76	9.72	9.69	6.86
8	10.08	5.13	4.88	8.23	5.13	5.35	4.08	6.5	3.75
9	5.9	5.68	41.03	5.78	5.68	4.05	6.57	5.53	4.31
10	2.43	1.26	3.14	2.09	1.26	1.36	6.29	4.52	3.93
11	2.45	5.97	19.14	4.29	5.69	3.39	5.72	6.07	4.16
12	2	6.55	0.00	1.63	6.55	2.84	2.53	7.35	3.78
13	19.49	2.34	5.10	17.63	2.34	10.99	13.04	9.21	8.15
14	4.7	6.64	0.00	6.21	6.17	4.43	8.37	3.79	4.76
15	13.67	7.03	6.38	9.48	7.03	6.45	11.12	4.23	6.12
16	3.84	7.47	1.56	5.82	7.47	4.60	3.56	9.21	5.07
17	0.29	3.53	28.53	2.31	3.53	1.93	2.16	1.96	1.46
18	11.72	2.02	1.70	15.49	2.02	10.23	19.12	3.1	11.18
19	13.48	14.25	10.49	13.48	14.25	9.79	8.62	13.91	8.65
20	9.08	4.49	0.00	9.75	4.49	5.28	12.14	4	6.29
ALL	1.7	1.87	12.22	1.67	1.86	1.24	1.64	1.53	1.12

State:PUNJAB Sector: URBAN [SCHEDULE 10] Pooling method: MATCHING RATIO

Table-21.4(U): District wise RSE of LFPR for central, state and pooled sample

Dist code	PS+SS			CWS			CDS		
	central	state	pooled	central	state	pooled	central	state	pooled
1	6.5	3.07	89.75	6.61	2.46	3.63	3.82	7.08	4.05
2	2.36	4.38	11.55	2.47	4.67	2.64	4.19	3.28	2.67
3	13.43	3.78	9.18	13.43	3.78	7.56	3.77	1.98	2.18
4	8.55	4.33	13.41	8.42	4.33	4.92	7.14	3.76	4.04
5	3.19	2.07	2.30	1.79	2.07	1.38	3.3	1.46	1.84
6	2.49	17.37	12.44	5.94	17.37	7.58	8.86	20.25	9.77
7	16.3	3.24	0.00	12.96	3.24	7.06	0.66	1.46	0.81
8	10.18	5.18	11.09	9.48	5.18	6.72	4.59	3.38	3.11
9	2.73	5.35	46.88	2.75	5.35	3.05	3.45	4.49	2.86
10	8.94	4.39	9.99	12.54	4.39	7.31	3.86	1.03	2.01
11	6.96	5.68	5.00	7.43	5.74	4.77	4	3.33	2.62
12	5.1	1.78	5.79	5.1	1.78	3.01	1.38	2.58	1.38
13	3.53	11.63	0.72	3.5	11.63	5.42	8.75	7.24	6.01
14	9.35	9.57	27.59	8.05	6.3	5.35	9.37	6.78	5.84
15	13.27	5.93	0.00	3.36	5.93	3.11	2.19	12.1	6.16
16	4.92	5.43	2.54	5.47	5.43	3.79	0.76	5.43	2.40
17	8.07	2.51	18.08	8.07	2.51	4.58	6.38	4.75	4.01
18	4.73	12.51	10.63	4.73	12.51	6.53	12.02	7.72	7.10
19	9.56	6.87	4.99	9.56	6.87	6.02	7.16	0.4	3.53
20	1.4	10.97	5.84	1.4	10.97	5.48	11.76	1.21	5.79
ALL	1.63	1.92	1.01	1.62	1.89	1.23	1.54	1.6	1.11