

GOVERNMENT OF KERALA

Report based on NSS 67th round
(July 2010-June 2011)
Central and State Sample Pooled Data

Unincorporated Non Agricultural Enterprises in Kerala

NSS DIVISION
Department of Economics and Statistics
Government of Kerala



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Preface

The National sample Survey office (NSSO) conducts nationwide socio-economic surveys covering various subjects on regular basis. Subjects are selected keeping in view of their importance and surveys are based on scientific sampling methods. The Department of Economics and Statistics had been participating these surveys with state samples on a matching basis from the very beginning itself. Considering the demands, from 62nd round onwards the number of state samples has been increased to 50% additional with an objective for deriving the realistic district level estimates.

The state sample data alone cannot be used directly to produce reliable estimates at the micro level due to small sample size and there is an urge to develop a mechanism by which sample size will be increased and the pooling of the two sets of data would enable better estimates at lower sub state level, particularly at district level. National Statistical Commission (NSC) constituted a committee on pooling of central and state sample of NSS to identify the preconditions for pooling and to suggest appropriate methodology for pooling of central and state sample data. The committee reviewed earlier attempts made for pooling of central and state sample data and suggested appropriate methodology for pooling and testing poolability of two sets of data.

DES Kerala undertaken the exercise of pooling of central and state sample data for the first time in NSS 66th round and successfully completed with an admirable appreciation at all India level. The present report is prepared on the basis of pooled data of NSS 67th round survey on 'Unincorporated Non Agricultural Enterprises'. Through the pooling exercise district level pooled estimates of some important characteristics such as Number of workers and Gross Value Added of Un incorporated non agricultural enterprises in Kerala were generated.

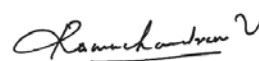
This report consists of three chapters and three appendices. Chapter I of the report is introductory. The major concepts and definitions related to this survey are given chapter II. Chapter III describes the pooling process and procedure of poolability test and its results. A brief discussion on pooled estimates of key parameters together with their Relative Standard Error (RSE) is covered in this chapter. Appendix A consists of the pooled data in the form of tables. The sampling design and estimation procedure are explained in Appendix B and a facsimile of the schedule of enquiry canvassed in the field is in Appendix C.

This report was prepared by using the valuable data collected by conscientious field staffs under admirable co-operation extended by the sample households and enterprises. The technical assistance provided by National Sample Survey Office (NSSO) and financial support extended by 13th finance commission are acknowledged.

I hope that this report will found useful to policy makers, academicians and researchers. Suggestions for improvement of the content of this report will be greatly appreciated.

Thiruvananthapuram

Date : 29. 03.2016



V.Ramachandran

Director General

Highlights

NSS 67th round survey earmarked for unincorporated non-agricultural enterprises excluding construction. DES Kerala participated this survey with 50% additional samples which comprises 584 panchayath wards and 376 UFS blocks. The present exercise of pooling by DES is based on central and state sample data for the second time for generating district level estimates.

- ✓ ***Broad parameters considered for pooling:*** Number of enterprises, Number of workers, Gross Value Added
- ✓ ***Methods used for pooling:*** Matching ratio and Inverse variance method
- ✓ ***Poolability tests performed:*** Chi-square test and Wald-Wolfowitz run test
- ✓ ***Number of enterprises:*** Total number of unincorporated non-agricultural enterprises all over kerala is 1696351, out of which 1093081 are from rural sector and 603270 from urban sector. Among the districts Ernakulam and Wayanad holds the highest and lowest position in this category. Majority of these enterprises are under the compilation category 'Retail trade'.
- ✓ ***Number of workers:*** Total number of workers engaged in unincorporated non-agricultural enterprises all over kerala is 3517857 out of which 2032465 are working in rural sector and 1485391 are in urban sector. The share of number of workers is more in 'Retail trade compilation category'.
- ✓ ***Gross Value Added Per Enterprise:*** GVA per enterprise in rural sector combining both OAE and EST is Rs.135499 and in urban sector it is Rs.265972. All over Kerala GVAE is Rs.181899
- ✓ ***Gross Value Added Per Worker:*** State level annual GVAPW in manufacturing sector is Rs.71816, trading sector it is Rs.129275 and in service sector it is Rs.69673. Among the districts Pathanamthitta stands the highest GVAPW in manufacturing and service sector, while in trading sector it is Kozhikode

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List of Abbreviations used in this Report

Abbreviation

Description

DES	Department of Economics and Statistics
NSSO	National Sample Survey Office
NSS	National Sample Survey
NSC	National Statistical Commission
GVA	Gross Value Added
GVAPW	Gross Value Added Per Worker
DPD	Data Processing Division
FSU	First Stage Unit
UFS	Urban Frame Survey
NIC	National Industrial Classification
EST	Establishment
OAE	Own Account Enterprise
CC	Compilation Category
BAC	Broad Activity category
NAD	National Accounts Division
RSE	Relative Standard Error

Chapter I

Introduction

1.1 Introduction

National sample survey office (NSSO) conducts nationwide surveys on various subjects known as national Sample Surveys (NSS) to collect data on various facets of the economy. These surveys are aimed at generating estimates at national as well as state level. As the NSS samples are small and to full fill the rapidly growing demands of micro level estimates, which is essential for proper planning and policy making state governments were invited to participate with matching samples. DES Kerala has been participating in NSS surveys from the very beginning with matching samples to provide more disaggregated results at regional level. In order to increase the precision of estimates at sub-state level the process of pooling of the central and state data highly demanded.

1.2 Background

The theoretical framework of pooling and the methodology as well as the issues concerning operational and technical aspects of poolability of NSS central and state sample data was detailed in the report submitted by one of the professional committee constituted by NSC on pooling of central and state sample data under the chairmanship of Professor R. Radhakrishna, Ex-Chairman, National Statistical Commission (NSC). In one of the meeting of NSC held on 9.11.2012, it was noted that the report of the committee was accepted by the NSC and as a follow up action, DPD undertook pooling exercise of central and state sample data of two states namely Bihar and Orissa of NSS 66th round and the methodology of pooling was demonstrated along with the exercise of pooling undertaken to the State Govt Officials in two central pooling workshops and 5 GSDP workshops organised in collaboration with NAD and State DES so that DES may undertake the pooling exercise independently in respect of their State. DES Kerala successfully completed the pooling of NSS 66th round survey by the technical assistance provided by DPD and financial assistance provided by 13th finance commission .

1.3 NSS 67th round survey

The NSS 67th round socio- economic survey covers the unincorporated non-agricultural enterprises (excluding construction) in manufacturing, trade and other service sectors. This is the first time NSSO conducted an integrated survey on enterprises during NSS 67th round. The main objective of the unincorporated non-agricultural enterprise surveys conducted by NSSO is to get estimates of various economic and operational characteristics of unincorporated non-agricultural enterprises in manufacturing, trade and other service sector (excluding construction) at national and State level. The survey was designed to estimate value of key characteristics per enterprise like average no. of workers, fixed assets, outstanding loans, total receipts, total operating expenses and gross value added separately for ‘Own Account Enterprises(OAEs)’ and ‘establishments’. Information on various operational characteristics like ownership, nature of operation, location, status of registration etc., were also collected to have an insight into economic scenario of the unincorporated non-agricultural enterprises in our state. Under the above sectoral coverage, enterprises were categorised into two types i)Own Account Enterprises(OAE) ii)Establishments(EST).Own Account Enterprises (OAE) are those enterprises that do not employ hired workers on a fairly regular basis in the reference year and Establishments employ at least one hired worker on a fairly regular basis in the reference year. Through this survey the entire geographical area of Kerala were covered by dividing survey period into four equal sub rounds.

1.4 Pooling of 67th round

The present exercise of pooling is based on the central and state sample data of NSS 67th round survey on Unincorporated Non-agricultural Enterprises conducted during July 2010 – June 2011 . DES Kerala under taken the present pooling exercise by the technical assistance provided by DPD as per the new methodology approved by NSC. Even though several characteristics of enterprises under coverage were estimated at state level through this survey; the most important parameters such as number of enterprises and workers , Gross Value Added were considered for pooling. The important poolability tests performed districtwise in

this pooling methodology was *a) District wise Wald-Wolfowitz run test for GVAPW by Broad Activity Category for central and state sample separately for OAE and EST [non parametric Z-test] and b) District wise divergence test for GVAPW by Broad Activity Category for central and state sample separately for OAE and EST (Establishments) between central and state sample [parametric Z-test] c) Chi-square test for number of enterprise and workers* Two alternate methods were used in pooling the central and state sample data *i) Weighting by Matching ratio ii) Weighting by inverse of variance.*

1.4(a) Sample size: Total sample size of Kerala State for central and state sample are given below:

KERALA-RURAL				
	Central sample		State sample	
Enterprise type	FSU allotted	Enterprise surveyed	FSU allotted	Enterprise surveyed
OAE	392	6333	584	8636
EST	392	3641	584	4016
ALL	392	9974	584	12652
KERALA-URBAN				
Enterprise type	FSU allotted	Enterprise surveyed	FSU allotted	Enterprise surveyed
OAE	248	3473	376	4699
EST	248	2987	376	3552
ALL	248	6460	376	8251

1.4 (b) Compilation Category: Compilation category used for generating state level results are as follows:

CC	Compilation Category Description	NIC2008
01	Cotton ginning+ cleaning and bailing	01632
02	meat+fish+fruits+vegetables+oils	101+102+103+104
03	dairy products	105
04	grain mill products	106+108
05	other food products	107
06	beverages	110
07	tobacco products	12
08	spinning+ weaving+finishing of textiles	13+143
09	wearing apparel	141-14105
10	leather & fur products	142+15
11	wood and wood products	16
12	furniture	3100
13	paper and printing +publishing	17+18+(58-582)
14	rubber+ plastic+petroleum products etc.	19+22
15	pharmaceuticals+chemical and chemical products	20+21
16	non-metallic products	23
17	basic metals(Ferrous)	241+2431
18	basic metals(Non-Ferrous)	242+2432
19	recycling	383
20	fabricated metal products+repair(nondomestic)	25+3311
21	computer+electronics+optical+repair(nondomestic)	26+3313
22	electrical machinery+repair(nondomestic)	27+3314
23	machinery nec+repair(nondomestic)	28+3312+3320
24	transport equipment+repair(nondomestic)	29+30+3315
25	other manufacturing+repair	32+3319
26	repair of motor vehicles and motor cycles	45403+452
27	Sale of motor vehicles	45-45403-452+473
28	Whole sale trade + Auctioning activities	46+92001
29	Repair of personal and household goods	9512+952
30	Retail trade (except motor vehicle)	47-473+92002
31	Hotels; Camping sites etc.	55
32	Restaurant+bars+canteen	56
33	Scheduled passenger land transport	4921
34	Non-sch passenger transport by motor vehicles	4922-49226
35	Freight transport by motor vehicles	49231
36	Other non-scheduled passenger land transport	49226
37	Freight transport other than by motor vehicles	49232

CC	Compilation Category Description	NIC2008
38	water Transport	50
39	Financial excl insurance and pension	643+ 649
40	Other financial activities	65+ 6612+ 6619+662+ 663
41	Storage and Ware Housing	521
42	Supporting & Auxiliary transport activities	52-521+79
43	Postal services	531
44	Courier activities	532
45	Cable operator	61103
46	Other communication	61-61103
47	Real Estate	68
48	Renting of Machinery	77
49	Computer relating services	582+62+(63-6391)+9511
50	Legal services	691
51	Accounting+Book-Keeping	692
52	Research Dev.	70+71+72+73+74+78+80+81+82
53	Education	85491
54	Coaching centre	85-85491
55	Medical and Health	86+75
56	Sanitary Services	37+381+382+39
57	Membership Organisations	87+88+94
58	Recreation & Entertainment	59+60+6391+90+91+(92-92001-
59	Washing & cleaning of Textiles	9601
60	Hair dressing + beauty treatment	9602
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62	Funeral related + other services	9603+9609
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1.5 Lay out of this report

This report contains three chapters including the present chapter and three appendices. This chapter is itself an introductory. Chapter II describes the conceptual frame work of this survey. The process of pooling including the results of poolability tests and district level pooled estimates were given in chapter III. Detailed tables at district wise and compilation category wise based on pooled data is presented in Appendix A. Appendix B explains in detail the sample design and estimation procedure used for the survey and Appendix C gives a facsimile of the schedule canvassed in the survey.

Appendix A

Concepts and Definitions

1 Important concepts and definitions of some important terms used in the survey and relevant to this report are explained in the following paragraphs.

1.1 **Population coverage:** The following rules regarding the population/households covered were followed while visiting households for the purpose of listing of enterprises:

1. Under-trial prisoners in jails and indoor patients of hospitals, nursing homes etc., were excluded, but residential staff therein was during listing. The persons of the first category were considered as normal members of their parent households. Convicted prisoners undergoing sentence were outside the coverage of the survey.
2. Floating population, i.e., persons without any normal residence were not considered. But households residing in open space, roadside shelter, under a bridge, etc., more or less regularly in the same place, were taken into account.
3. Foreign nationals were not considered, nor do their domestic servants, if by definition the latter belong to the foreign national's household. If, however, an enterprise was run by a member of such household located within the premises of the household or without any fixed premises, it was listed as an enterprise.
4. Persons residing in barracks of military and paramilitary forces (like police, BSF, etc.) was kept outside the survey coverage due to difficulty in conduct of survey therein. However, civilian population residing in their neighbourhood, including the family quarters of service personnel, were covered.
5. Orphanages, rescue homes, *ashrams* and vagrant houses were outside the survey coverage but enterprises run by them and located within the premises of those institutions were considered. However, persons staying in old age homes, students staying in *ashrams*/ hostels and the residential staff (other than monks/ nuns) of these ashrams were treated as forming households (as per the standing practice in NSS) for the purpose of identifying enterprises through such households. For orphanages, although orphans were not covered, the persons looking after them and staying there were considered as forming households.

1.2 **House:** Every structure, tent, shelter, etc. was considered as a house irrespective of its use. It might have been used for residential or non-residential purpose or both or even it might have been vacant.

1.3 Household: A group of persons who normally lived together and taking food from a common kitchen constituted a household. It included temporary stay-aways (those whose total period of absence from the household was expected to be less than 6 months) but excluded temporary visitors and guests (expected total period of stay less than 6 months). Even though the determination of the actual composition of a household was left to the judgment of the head of the household, the following procedures were adopted as guidelines.

(i) Each inmate (including residential staff) of a hostel, mess, hotel, boarding and lodging house, etc., constituted a single-member household. If, however, a group of persons among them normally pool their income for spending, they were together treated as forming a single household. For example, a family living in a hotel was treated as a single household.

(ii) In deciding the composition of a household, more emphasis was given on 'normally living together' than on 'ordinarily taking food from a common kitchen'. In case the place of residence of a person was different from the place of boarding, he or she was treated as a member of the household with whom he or she resided.

(iii) A resident employee, or domestic servant, or a paying guest (but not just a tenant in the household) was considered as a member of the household with whom he or she resided even though he or she was not a member of the same family.

(iv) When a person sleeps in one place (say, in a shop or in a room in another house because of space shortage) but usually took food with his or her family, he or she was treated not as a single member household but as a member of the household in which other members of his or her family stayed.

(v) If a member of a family (say, a son or a daughter of the head of the family) stayed elsewhere (say, in hostel for studies or for any other reason), he/ she was not considered as a member of his/ her parent's household. However, he/ she were considered as a single member household if the hostel is listed.

1.4 Public works: 'Public works' were those activities which were sponsored by Government or Local Bodies, and which covered local area development works like construction of roads, dams, bunds, digging of ponds, etc., as relief measures, or as an outcome of employment generation schemes under the poverty alleviation programme such as National Rural Employment Guarantee Act (NREG) programme, Sampoorna Grameen Rozgar Yojana (SGRY), National Food for Work Programme (NFFWP), etc.

1.5 National Rural Employment Guarantee Act (NREGA): The National Rural Employment Guarantee Act, 2005 (NREGA) is an important step towards the realization of the right to work and to enhance the livelihood security of the households in the rural areas of the country. The Scheme provides at least 100 days of guaranteed wage employment in every financial year to every household whose adult members volunteer to do unskilled manual work. Adult means a person who has completed his/ her eighteen years of age. Unskilled manual work means any

physical work which any adult person is capable of doing without any special skill/ training. The implementing agency of the scheme may be any Department of the Central Government or a State Government, a Zila Parishad, Panchayat/ Gram Panchayat or any local authority or Government undertaking or non-governmental organization authorized by the Central Government or the State Government. If an applicant for employment under the scheme is not provided employment within 15 days of receipt of his application seeking employment or from the date on which employment has been sought, the applicant will be entitled for getting daily unemployment allowances.

1.6 Enterprise: An enterprise is an undertaking which is engaged in the production and/ or distribution of some goods and/ or services meant mainly for the purpose of sale, whether fully or partly. An enterprise may be owned and operated by a single household or by several households jointly, or by an institutional body.

1.7 Non-agricultural enterprise: All enterprises covered under Sections 'C' to 'S' of NIC-2008 are "non-agricultural enterprises". All non-agricultural enterprises will be henceforth referred to as NAE for this survey.

1.8 Unincorporated non-agricultural enterprises: Non-agricultural enterprises which are not incorporated (i.e. registered under Companies Act, 1956) were covered in the survey. Further, the domain of 'unincorporated enterprises' excluded (a) enterprises registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948 or bidi and cigar manufacturing enterprises registered under bidi and cigar workers (condition of employment) Act, 1966, (b) government/public sector enterprises and (c) cooperatives. Thus the coverage was restricted primarily to all household proprietary and partnership enterprises. In addition, Self Help groups (SHGs), Private Non-Profit Institutions (NPIs) including Non-Profit Institutions Serving Households (NPISH) and Trusts were also covered.

1.9 Manufacturing Enterprise: A manufacturing enterprise was a unit engaged in the physical or chemical transformation of materials, substances or components into new products. It covers units working for other concerns on materials supplied by them. The units primarily engaged in maintenance and repair of industrial, commercial and similar machinery and equipment, which were, in general, classified in the same class of manufacturing as those specialising in manufacturing the goods were also included.

Thus all activities covered by NIC – 2008 divisions 10 to 33 of NIC- 2008 were considered as 'manufacturing' for the purpose of the survey. In addition, the activity of cotton ginning, cleaning and baling (NIC - 2008 code 01632) was covered in the present survey. However the production of goods for the sole purpose of domestic consumption was not considered as manufacturing.

1.10 Trading Enterprise: A trading enterprise is an undertaking engaged in trade. Trade is defined to be an act of purchase of goods and their disposal by way of sale without any intermediate physical transformation of the goods. Thus all the trading activities, both wholesale and retail (perennial, casual or seasonal) listed under NIC-08 divisions 45 to 47 was treated as trade in this survey. The activities of intermediaries who do not actually purchase or sell goods but only arrange their purchase and sale and earn remuneration by way of brokerage and commission was also treated as trade. The purchase and sale agents, brokers listed under NIC-08 division and auctioneers listed under NIC group were also covered in this survey.

1.11 Servicing Enterprise: A servicing enterprise or service sector enterprise is engaged in activities carried out for the benefit of a consuming unit and typically consists of changes in the condition of consuming units realized by the activities of servicing unit at the demand of the consuming unit. It is possible for a unit to produce a service for its own consumption provided that the type of activity is such that it could have been carried out by another unit. Some examples of changes that a producer of service brings about in the condition of consumers of service are:

- a) Changes in the condition of consumer's goods: the producer works directly on goods owned by the consumer by transporting, cleaning, repairing or otherwise transforming them;
- b) Changes in the physical condition of persons: the producer transports the persons, provides them with accommodation, provides them with medical or surgical treatments, improves their appearance etc;
- c) Changes in the mental condition of persons: the producer provides education, information, advice, entertainment or similar services;
- d) Changes in the general economic state of the institutional unit itself: the producer provides insurance, financial intermediation, protection, guarantees, etc.

All activities under NIC – 2008 Sections D – U except section G (trade) are considered as service activities other than trade. However, sections D (Electricity, gas, steam and air conditioning supply), F (Construction), O (Public administration and defence; compulsory social security), T (Activities of households as employer; undifferentiated goods and services producing activities of households for own use) and U (Activities of extraterritorial organisations and bodies) were excluded from coverage of this survey. Only unincorporated enterprises in the service sector under coverage were surveyed. Among these also, activities under certain NIC - 2008 codes, viz. 36 (water collection, treatment and supply), 491 (transport via railways), 49212 (urban or suburban tramways), 49213 (urban or suburban underground or elevated railways), 493 (transport via pipeline), 51 (air transport), 641 (monetary intermediation), 642 (activities of holding companies), 6611 (Administration of financial markets), 774 (Leasing of nonfinancial intangible assets), 942 (activities of trade unions), 9491 (activities of religious organisations [although activities of individuals are covered]), 9492 (activities of political organisations) were kept out of survey coverage.

1.12 Financial enterprise: A financial enterprise is a servicing enterprise that is principally engaged in financial intermediation or in auxiliary financial activities which are closely related to financial intermediation. Financial intermediation is a productive activity in which an institutional unit incurs liabilities on its own account for the purpose of acquiring financial assets by engaging in financial transactions on the market. The role of financial intermediaries is to channel funds from lenders to borrowers by intermediating between them.

1.13 Household Enterprise: A household enterprise is one which is run by one or more members of a household or run jointly by two or more households on partnership basis irrespective of whether the enterprise is located in the premises of the household(s) or not. In other words, all proprietary and partnership enterprises are household enterprises.

1.14 Non-household Enterprise: Non-household enterprises are those which are institutional i.e. owned and run by the public sector (Central or State Government, local self-governments, local bodies, government undertakings, etc.), corporate sector, co-operative societies, other type of societies, institutions, associations, trusts, etc. Non-household enterprises covered under public sector were not included in the current survey.

1.15 Own-account Enterprise: An enterprise, which is run without any hired worker employed on a fairly regular basis¹, is termed as an own account enterprise.

1.16 Establishment: An enterprise which is employing at least one hired worker on a fairly regular basis is termed as establishment. Paid or unpaid apprentices, paid household member/servant/resident worker in an enterprise are considered as hired workers.

1.17 Non-directory establishment (NDE): An establishment having one to five workers (household and hired taken together) is termed as a non-directory establishment.

1.18 Directory establishment (DE): A directory establishment is an establishment, which has got six or more workers (household and hired taken together).

1.19 Perennial enterprise: Enterprises that are run more or less regularly throughout the year are called perennial enterprises.

1.20 Seasonal enterprise: Seasonal enterprises are those, which are usually run in a particular season or fixed months of a year.

¹ "fairly regular basis" means the major part of the period when operation(s) of an enterprise are carried out during a reference period.

1.21 **Casual enterprise:** Enterprises that are run occasionally, for a total of at least 30 days in the last 365 days, are called ‘casual enterprises’.

1.22 **Classification of enterprises based on ownership:**

(i) *Proprietary:* When an individual is the sole owner of an enterprise it is a proprietary enterprise. Own account production of fixed assets for own use, when produced by a single member, was classified as proprietary enterprise.

(ii) *Partnership:* Partnership is defined as the ‘relation between persons who have agreed to share the profits of a business carried on by all or any one of them acting for all’. There may be two or more owners, belonging to the same or different households, on a partnership basis, with or without formal registration (where there is a tacit understanding about the distribution of profit among the so-called partners). Own account production of fixed assets, when produced by two or more members belonging to the same or different households will be classified as partnership enterprises. Thus, own account production of fixed assets by a group of households for community use was classified as partnership enterprise. The partnership enterprises registered under Limited Liability Partnership (LLP) Act, 2008 were excluded from coverage of the survey. Also, partnership enterprises registered under Factories Act, 1948 was outside the survey coverage.

(iii) *Government/public Sector Enterprise:* An enterprise, which is wholly owned/ run/managed by Central or State governments, quasi-government institutions, local bodies like Panchayat, Zilla Parisad, City Corporation, Municipal authorities, etc., autonomous bodies like Universities, Education boards, and institutions like schools, libraries etc. set up by the government, panchayat, etc., was considered as public sector enterprise. Enterprises owned/ managed by a single or a group of private persons with no participation of the Government, local body etc. in it, both in terms of management and shares, was considered as private sector enterprises. An enterprise was not considered as a public sector enterprise if it is run on a loan granted by government, local body, etc.

(iv) *Private Limited Company:* Private company means a company which by its articles:

- (a) restricts the right to transfer its shares, if any,
- (b) limits the number of its members to fifty not including-
 - (i) persons who are in the employment of the company, and
 - (ii) persons who, having been formerly in the employment of the company, were members of the company while in that employment and have continued to be members after the employment ceased; and
- (c) prohibits any initiation to the public to subscribe for any share in, or debentures of, the company.

Where two or more persons hold jointly one or more shares in a company, they were considered as a single member in this survey.

(v) *Public Limited Company*: A public limited company is defined as a company that is not a private company. As such public companies can have an unlimited number of members and can invite the public to subscribe to its shares and debentures. The minimum number of members required to form a public company is seven.

(vi) *Co-operative Societies*: Co-operative society is one that is formed through the co-operation of a number of persons, recognised as members of the society to benefit themselves. In the process, the funds are raised by members' contributions/investments and the profits generated out of the society's activities are shared by the members. A government agency itself can also be a member or shareholder of a registered co-operative society but this fact cannot render the society into a public sector enterprise for the purpose of this survey.

(vii) *Trust*: An arrangement through which one set of people, the trustees, are the legal owners of property which is administered in the interest of another set, the beneficiaries. Trusts may be set up to provide support for individuals or families, to provide pensions, to run charities, to liquidate the property of the bankrupts for the benefit of their creditors, or for the safe keeping of securities bought by trusts with their investor's money. The assets, which trusts hold are regulated by law, must be administered in the interests of the beneficiaries, and not for the profit of the trustees.

(viii) *Non-Profit Institutions (NPI)*: Non-profit institutions are legal or social entities created for the purpose of producing goods and services whose status does not permit them to be a source of income, profit or other financial gain for the units that establish, control or finance them. In practice, their productive activities are bound to generate either surpluses or deficits but the units that establish, control or finance them cannot appropriate surpluses. The articles of association by which they are established are drawn up in such a way that the institutional units which control or manage them are not entitled to a share in any profits or other income which the NPI's receive and for this reason, they are frequently exempted from various kinds of taxes.

NPIs are principally market producers but they may engage in non-market production also. It is important to distinguish between NPI's engaged in market and non-market production as this affects the sector of the economy to which an NPI is allocated. Most market NPIs serving businesses are created by associations of the businesses whose interests they are designed to promote. They consist of chambers of commerce, agricultural, manufacturing or trade associations, employers' organisations, research or testing laboratories or other organisations or institutes which engage in activities which are of mutual interest or benefit to the group of businesses that control and finance them.

1.23.1 Self-help Groups: A self-help group (SHG) is a financial intermediary usually composed of between 10-20 local persons. Members of a SHG make small regular savings contributions over a few months until there is enough capital in the group to begin lending. Funds may then be lent back to the members or to others in the locality for any purpose. Also many SHGs are 'linked' to banks for the delivery of microcredit. The characteristic features of self-help groups may be summarised as follows:

SHG is a small group generally comprising of people who are poor or economically weak, who have voluntarily come forward to form a group for improvement of the social and economic status of the members.

It can be formal (registered) or informal.

The concept underlines the principle of Thrift, Credit and Self Help.

Members of SHG agree to save regularly and contribute to a common fund.

The members agree to use this common fund and such other funds (like grants and loans from banks), which they may receive as a group, to give small loans to needy members as per the decision of the group.

The ideal size of an SHG is 10 to 20 members. Also, legally it is required that an informal group should not be of more than 20 people). However, in difficult areas like deserts, hills and areas with scattered and sparse populations and in case of disabled persons, this number may be 5-20.

The group need not be registered.

From one family, only one person can become a member of an SHG. (More families can join SHGs this way).

The group normally consists of either only men or only women.

Members should be between the age group of 21-60 years.

Members should be poor people [the term poor is in relation to the economic and living conditions and this has no relation to poverty line. People living above poverty line (APL) can also form SHG like people living below poverty line (BPL)].

1.23.2 Activity of self-help groups

In most cases, self-help groups are engaged in financial intermediation only i.e. the activity of the SHG is confined to providing loans to the members and the members can utilise the loan for any purpose - personal or entrepreneurial. However, an SHG may be formed initially and later and it may be engaged in group-based enterprise. Examples of such group-based activities are given below:

Collective organisation of marketing for the produce of individual enterprises established using micro-credit, particularly milk collection centres/ diary cooperatives at village level.

Collective activities of SHGs using group credit to access larger natural assets for production e.g. leasing lands and ponds for cultivation and pisciculture.

Other collective economic activities based on group credit that combines labour and management: stone-cutting, processing rice, managing a tent house etc.

Management of government contracts such as running ration shops (as part of public distribution systems), cooking mid-day meal for school children, managing a subsidised fodder depot etc.

While listing the self-help groups engaged in financial intermediation and self-help groups running group based enterprises, the following three cases should be considered:-

- (a) The SHG was engaged in financial activities only. In that case, it was listed under financial intermediation.
- (b) An SHG was formed and later it was engaged only in some non-financial activity. In that case if that activity was under survey coverage, then it was listed under the corresponding non-financial activity. The enterprise would continue to be considered as SHG.
- (c) An SHG was engaged in financial as well as non-financial activity. In that case, the major activity was decided based on maximum value added / sales turnover/ employment in that order. The enterprise would continue to be considered as SHG.

1.23.3 Determination of eligibility of an SHG

An SHG was considered as eligible enterprise for the purpose of survey if the total number of days of operation of that SHG in last 365 days was at least 15. Working days would include-

- a) Days of meeting.
- b) Days of interaction with the bank for purpose of deposit/withdrawal/loan/repayment etc.
- c) Days of performing other jobs related to SHG like maintenance of register.

1.23.4 Determination of number of working owners of an SHG

Those members of SHG who are regularly attending meetings or taking part in decision making procedure like secretary, treasurer, active committee member etc. was considered as working owners.

1.24 Mixed Activity: There are enterprises that carry out a number of activities simultaneously. For example, a bakery may also sell cold drinks, a rice mill may sell sugar, a factory may run a hospital in its premises, etc. Each such activity was treated as a separate enterprise if information for them was separately available. If the accounts were not separable then the data pertaining to the enterprise as a whole was collected and the enterprise was classified as having mixed activities and the activities of such enterprises are generally a mixture of NIC's. The activities

may be mixed at any level of NIC, but for the present survey an enterprise was considered to have mixed activities if its activities are different at 2-digit level of NIC-2008. The appropriate NIC in such cases was determined on the basis of major activity. Major activity refers to the activity which yields maximum income/turnover/employment. The above criteria are applied in the given order, i.e., income first, then turnover and then employment, to determine the major activity.

1.25 Multiple Activity: Since many of the entrepreneurs belonging to the unorganised and informal sector operate at small or marginal levels, the phenomenon of carrying out more than one activity simultaneously or at different points of time is quite prevalent. If the activities were carried out at one point of time at the same location and the information was not separately available, then it was taken as “mixed activity”. Carrying out of more than one economic activity by the entrepreneur during the reference year was called multiple activities. It differs from mixed activities in the sense that former is with respect to the entrepreneur whereas the latter is with respect to the enterprise. However, an entrepreneur of a manufacturing enterprise manufacturing woollen garments before winter and cotton clothes before summer was not considered as carrying out multiple activities.

1.26 Reference Period: *Last 30 days preceding the date of survey* or *last month* had been used as the reference period to collect most of the data. Various items of receipts and expenses as well as data on employment, emoluments, rent, interest, net surplus and value added for the enterprises were collected for the above reference period only. However, for seasonal enterprises the reference period was the last 30 days (preceding the date of survey), if they have worked continuously for last 30 days or more (including scheduled holidays) in the current season. For seasonal enterprises which had worked for less than 30 days in the current season, last month would refer to an average month in the last working season.

1.26.1 If some enterprise was unable to give information for the last 30 days and was able to give information for the latest calendar month from their books, figures for the latest calendar month were taken. Month would refer to a period of 30 days. For some of the items like value of fixed assets, amount of loan outstanding etc., the reference period was ‘as on the date of survey’. For some other items like net additions to fixed assets, number of months operated, number of other economic activities taken up etc., the period of reference was the ‘last 365 days preceding the date of survey’. For enterprises maintaining accounts and giving information from their books of accounts, reference year, ‘last 30 days/ last month’ and ‘last date of the reference year’ would respectively relate to ‘last accounting year for which information is available’, ‘last month of the said accounting year’ and ‘last date of the accounting year’.

1.27 Subsidy: Subsidies are current unrequited payments that government units, including non-resident government units, make to enterprises on the basis of the levels of their production activities or the quantities or values of the goods and services which they produce, sell, import or

export. Subsidies can also be received by an enterprise for achieving a particular type of efficiency in production (e.g., getting ISO certification, implementing pollution control measures, repaying interests in time, etc.). Subsidies are equivalent to negative taxes on production in so far as the impact on the operating surplus is in the opposite direction to that of taxes on production. Subsidies can be on production or on interest. Various types of subsidies are back-end subsidies on interest, export subsidies, duty drawback, etc. Subsidies do not include grants that governments may make to enterprises in order to finance their capital formation, or compensate them for damage to their capital assets, such grant being treated as capital transfers.

1.28 Taxes on Products: Taxes are compulsory, unrequited payments, in cash or in kind, made by institutional units to government units. *A tax on a product is a tax that is payable per unit of some good or service.* Tax on product may be a specific amount of money per unit of quantity of a good or service, the quantity being measured either in terms of discrete units or continuous physical variables such as volume, weight, strength, distance, time, etc. or it may be calculated *ad valorem* as a specified percentage of the price per unit or value of the goods and services transacted. Some examples of taxes on products are VAT, excise duties, general sales tax, service tax, export duties, turnover tax, taxes on financial and capital transactions (mainly inheritances and gifts), etc.

1.29 Taxes on Production: *Taxes on production consist of all taxes that the enterprise incurs as a result of engaging in production.* It is payable irrespective of the profitability of the enterprise and consists of all taxes except those included under 'Taxes on Products'. Some examples of taxes on production are recurrent taxes on land, buildings or other structures, business or professional licence fees, road tax and registration fee of vehicles, taxes on pollution, taxes on international transactions such as travel abroad, foreign remittances, etc. Stamp taxes on sale of specified products, which relate to per unit of product sold (e.g., per unit of alcoholic beverages) will be considered as taxes on products, but other stamp taxes (e.g., stamps on legal documents or cheques) will be considered as taxes on production.

1.30 Worker: For this survey, a worker was defined as all persons working within the premises of the enterprise who were in the payroll of the enterprise as also the working owners and unpaid family workers. The worker may serve the enterprise in any capacity - primary or supervisory. He/she may or may not receive wages/salaries in return to his/her work incidental to or connected with the entrepreneurial activity. Salespersons appointed by an enterprise for selling its services and apprentices, paid or unpaid were also treated as workers.

1.30.1 *Volunteers, who work without salary / honorarium, were not considered as workers.* Voluntary participation without remuneration in production of goods and services in philanthropic organisation/ institutions or in any other organisation/ institution or even in the individual capacity will not render one to be counted as worker/enterprise. Voluntary participation will mean that the person has performed these activities without coercion or

obligation but has participated in his/ her own volition. Moreover, the voluntary participation in the work should be without remuneration, which means that the person does not become entitled to receive, in respect of the work performed by him/ her, any compensation including honorarium from the institution/ organisation. For the purpose of the survey, minor contingencies/ honorarium received from the institution/ organization against the voluntary work done may not be considered as remuneration. To determine 'minor', average daily wage received by the lowest paid full-time/part-time worker of that enterprise may be used as a guiding tool.

1.30.2 Some enterprises do not hire individuals like porters, sweepers, accountants, etc., on a fairly regular basis. These individuals can **work in one or more enterprises** in a locality, has some autonomy to determine the charges receivable by him depending upon volume of job performed and usually receive service charges as and when they render such services to the enterprise. Such persons were not considered as workers of the enterprise using their services. Instead, they were considered as independent OAEs.

1.30.3 If an enterprise has some contract with some other agency (e.g. security, cleaning, nursing, midwife), or persons (like CA, lawyer, etc.), the employees of the agency (or persons) who were working within the premises of the enterprise under survey (e.g. sweeper, guard, nurse, etc.) were not counted as the employee of the enterprise. Rather they were considered as the worker of the agency (or separate OAE, for persons).

1.31 **Working owner.** In the case of proprietary enterprises, if the owner himself/ herself works in the enterprise on a fairly regular basis, the entry should be made against item 1. In fact, in most of the own-account enterprises the owner himself/ herself manages all activities of the enterprise without help of anybody else (on fairly regular basis). For all such enterprises essentially the value '1' shall be recorded in the appropriate column against item 1. In the case of partnership enterprises, if only one partner or some of the partners or all the partners work in the enterprise on a fairly regular basis then information for them shall be recorded against this item.

1.32 **Formal hired worker:** A formal hired worker is one having continuity of job and eligible for paid annual leave and also eligible for social security benefits like provident fund or insurance provided by the employer.

1.33 **Informal hired worker:** An informal hired worker is not having continuity of job and/or not eligible for paid annual leave and/or not eligible for social security benefits like provident fund or insurance provided by the employer.

1.34 **Other worker/ helper:** This includes all persons belonging to the household of the proprietor or households of the partners who are working in or for the enterprise without regular salary or wages. Persons working as exchange labourer in the enterprise without salary or wages

will also be covered in this category. All unpaid household workers / helpers who are associated with the activities of the enterprise during the reference month are considered in this category.

1.35 Working on Contract: The enterprises in the unorganised sector are mainly small units. In many cases, the enterprises are seen to be working as per orders from a bigger unit. In such cases, certain conditions are put on the servicing unit by the contractor or master unit. Conditions may pertain to sale of products, supply of raw materials, mode of payment etc. In many cases, the contractor specifies the design of the product to the servicing unit e.g. garment manufacturing, shoe manufacturing etc. If the surveyed enterprise had undertaken any work on contract during the reference year, it was considered as ‘enterprises working on contract’.

1.36 Fixed Assets: Assets held for the purpose of producing or providing goods or services and not for resale in the normal course of entrepreneurial activities were classified as fixed assets. These cover all goods, new or used, that have a normal economic life of more than one year from the date of purchase.

1.37 Investments: An enterprise can purchase shares, debentures and other securities to earn interest and dividend. These shares, debentures and other securities are called investments. If securities are purchased and sold at regular intervals to make gains using market values of the securities, then these investments are called investments for trade. Otherwise, it is called investments (other than trade).

1.38 Financial liability: Financial liability is the total liability incurred by the enterprise as on a particular date (generally the last date of the accounting year). It includes capital deployed by the partners of an enterprise, share capital, reserve and surplus amount noted in the balance sheet, long-term loans and also all short-term commitments for payments like unpaid wages etc. With regard to loan, any borrowing in cash or kind to be repaid in cash or kind was treated as loan. Loans taken for the purpose of utilising the same in the entrepreneurial activities of an enterprise were considered even if such loans were used for other purposes. On the other hand, loans taken for other purposes but ultimately used in the enterprise were excluded.

1.39 Compensation of employees: Compensation of employees is the total remuneration, in cash or in kind, payable by an enterprise to an employee in return for work done by the employee during the accounting period. It is recorded on accrual basis, i.e. measured by the value of remuneration in cash or in kind which an employee becomes entitled to receive from an employer in respect of work done during the relevant period, whether paid in advance, simultaneously or in arrears. Self employed persons (like working owners or unpaid family workers) receive mixed income and not compensation of employees. However, the books of accounts of some enterprises show salary payment to one or two working owners. In such cases, these payments were recorded as compensation to employee. Compensation of employees has

two main components, i) wages and salaries payable in cash or in kind and ii) value of social contributions payable by the employer. Wages and salaries also included goods or services provided to employees as remuneration in kind instead of, or in addition to, remuneration in cash.

1.40 Transfers: A transfer is a transaction in which an institutional unit provides a good, service or asset to another unit without receiving from the later any good, service or asset in return. A cash transfer consists of the payment of currency or transferable deposit by one unit to another without any counterpart (or return). A transfer in kind consists either of the transfer of ownership of a good or asset, other than cash, or provision of a service, again without any counterpart (or return).

1.41 Operating Expenses: The total value of services purchased and other expenses incurred during the reference period by an enterprise on raw materials, electricity, fuel, lubricants and auxiliary materials consumed; cost of maintenance, etc was considered as ‘operating expenses’.

1.42 Receipts: The sale value of services produced together with the value of services rendered to other concerns and other receipts incidental to entrepreneurial activities including the value of products and by-products manufactured ,if any, by an enterprise during the reference period was considered as ‘total receipts’.

1.43 Gross Value Added: Gross value added is taken as additional value created by the process of production of an enterprise to the economy. Gross value added is calculated by deducting ‘total operating expenses’ and ‘distributive expenses’ from the value of ‘total receipts’ during the reference period. ‘Distributive expenses’ includes excise duties, sales tax, non-deductible vat, outward freight and transport charges, commission to selling agents etc.

Table A1: Coverage of the survey in terms of NIC – 2008 codes	
A. NIC 2008 codes under coverage of the survey	
Division/ Group	Description
	Manufacturing
10	Manufacture of Food Products
11	Manufacture of Beverages
12	Manufacture of Tobacco Products
13	Manufacture of Textiles
14	Manufacture of Wearing Apparel
15	Manufacture of Leather and Related Products
16	Manufacture of Wood and of Products of Wood and Cork, except Furniture; Manufacture of Articles of Straw and Plaiting Materials
17	Manufacture of Paper and Paper Products
18	Printing and Reproduction of Recorded Media
19	Manufacture of Coke and Refined Petroleum Products
20	Manufacture of Chemicals and Chemical Products
21	Manufacture of Pharmaceuticals, Medicinal Chemical and Botanical Products
22	Manufacture of Rubber And Plastics Products
23	Manufacture of Other Non-Metallic Mineral Products
24	Manufacture of Basic Metals
25	Manufacture of Fabricated Metal Products, except Machinery and Equipment
26	Manufacture of Computer, Electronic and Optical Products
27	Manufacture of Electrical Equipment
28	Manufacture of Machinery and Equipment N.E.C.
29	Manufacture of Motor Vehicles, Trailers and Semi-Trailers
30	Manufacture of Other Transport Equipment
31	Manufacture of Furniture
32	Other Manufacturing
33	Repair And Installation of Machinery and Equipment
01632	Cotton Ginning, Cleaning and Bailing

Table A1: Coverage of the survey in terms of NIC – 2008 codes	
A. NIC 2008 codes under coverage of the survey	
Division/ Group	Description
Trading	
45	Wholesale and Retail Trade and Repair of Motor Vehicles and Motorcycles
46	Wholesale Trade, except of Motor Vehicles and Motorcycles
47	Retail Trade, except of Motor Vehicles and Motorcycles
Other Services	
37	Sewerage
38	Waste collection, treatment and disposal activities; materials recovery
39	Remediation activities and other waste management services
492	Other Land Transport (excluding 49212, 49213)
50	Water Transport
52	Warehousing and Support Activities for Transportation
53	Postal and Courier Activities
55	Accommodation
56	Food and Beverage Service Activities
58	Publishing Activities
59	Motion Picture, Video and Television Programme Production, Sound Recording and Music Publishing Activities
60	Programming and Broadcasting Activities
61	Telecommunications
62	Computer Programming, Consultancy and Related Activities
63	Information Service Activities
643	Trusts, Funds and Other Financial Vehicles (including special code 64309)
649	Other Financial Service Activities Except Insurance And Pension Funding Activities (including special code 64929)
65	Insurance, Reinsurance and Pension Funding, except Compulsory Social Security
661	Other Financial Activities (excluding 6611)

Table A1: Coverage of the survey in terms of NIC – 2008 codes	
A. NIC 2008 codes under coverage of the survey	
Division/ Group	Description
662	Activities Auxiliary to Insurance and Pension Funding (excluding 6629)
663	Fund management activities
68	Real Estate Activities
69	Legal and Accounting Activities
70	Activities of head offices; management consultancy activities
71	Architecture and Engineering Activities: Technical testing and Analysis
72	Scientific Research and Development
73	Advertising and Market Research
74	Other Professional, Scientific And Technical Activities
75	Veterinary Activities
771	Renting and leasing of motor vehicles
772	Renting and leasing of personal and household goods
773	Renting and leasing of other machinery, equipment and tangible goods n.e.c.
78	Employment Activities
79	Travel Agency, Tour Operator And Other Reservation Service Activities
80	Security and Investigation Activities
81	Services To Buildings And Landscape Activities
82	Office Administrative, Office Support and Other Business Support Activities
85	Education
86	Human Health Activities
87	Residential Care Activities
88	Social Work Activities Without Accommodation
90	Creative, Arts and Entertainment Activities
91	Libraries, Archives, Museums and Other Cultural Activities
92	Gambling and Betting Activities <i>(coverage will be restricted to</i>

Table A1: Coverage of the survey in terms of NIC – 2008 codes	
A. NIC 2008 codes under coverage of the survey	
Division/ Group	Description
	<i>legal activities only</i>
93	Sports Activities and Amusement and Recreation Activities
941	Activities of business, employers and professional membership organizations
949	Activities of Other Membership Organisations (excluding 9492 and part of 9491 relating to organisation)
95	Repair Of Computers and Personal and Household Goods
96	Other Personal Service Activities
B. NIC 2008 codes outside the coverage of the survey	
1. All codes under sections:	
A (Agriculture, forestry and fishing excluding 01632);	
B (Mining and quarrying);	
D (Electricity, gas, steam and air conditioning supply);	
F (Construction);	
O (Public administration and defence; compulsory social security);	
T (Activities of households as employers; undifferentiated goods and services producing activities of households for own use);	
U (Activities of extraterritorial organizations and bodies).	
2. Codes: 36, 491, 49212, 49213, 493, 51, 641, 642, 6611, 774, 942, 9491(organisations only), 9492	

Table A2: Notations of different activity categories covered in the survey

Description of activity category	Notations used in tables
(1)	(2)
Cotton ginning, cleaning and bailing	M1
Manufacture of food products	M2
Manufacture of beverages	M3
Manufacture of tobacco products	M4
Manufacture of textiles	M5
Manufacture of wearing apparel	M6
Manufacture of leather and related products	M7
Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	M8
Manufacture of paper and paper products	M9
Printing and reproduction of recorded media	M10
Manufacture of coke and refined petroleum products	M11
Manufacture of chemicals and chemical products	M12
Manufacture of pharmaceuticals, medicinal chemical and botanical products	M13
Manufacture of rubber and plastics products	M14
Manufacture of other non-metallic mineral products	M15
Manufacture of basic metals	M16
Manufacture of fabricated metal products, except machinery and equipment	M17
Manufacture of computer, electronic and optical products	M18
Manufacture of electrical equipment	M19
Manufacture of machinery and equipment n.e.c.	M20
Manufacture of motor vehicles, trailers and semi-trailers	M21
Manufacture of other transport equipment	M22
Manufacture of furniture	M23
Other manufacturing	M24
Repair and installation of machinery and equipment	M25
Manufacturing activities	M
Trade and repair of motor vehicles and motor cycles	T1
Activities of commission agents	T2
Other wholesale trade	T3
Other retail trade	T4
Trading activities	T
Accommodation	S1
Food service activities	S2
Land transport	S3
Water transport	S4
Warehousing and storage	S5

Table A2: Notations of different activity categories covered in the survey

Description of activity category	Notations used in tables
(1)	(2)
Support activities for transportation, postal and courier activities	S6
Information and Communication	S7
Financial service activities except insurance and pension funding	S8
Other financial activities	S9
Real estate activities	S10
Professional, Scientific and Technical activities	S11
Administrative and support service activities	S12
Education	S13
Human Health and Social work	S14
Other community, social and personal service activities	S15
Other services	S
all	M+T+S

Chapter III

Summary of findings

3.1 Introduction

The NSS 67th round socio- economic survey covers the unincorporated non-agricultural enterprises (excluding construction) in manufacturing, trade and other service sectors. Through NSS 67th round , NSSO conducted an integrated survey on enterprises for the first time. The main objective of the unincorporated non-agricultural enterprise survey was to get estimates of various economic and operational characteristics of unincorporated non-agricultural enterprises in manufacturing, trade and other service sector (excluding construction) at State level. The survey was designed to estimate value of key characteristics per enterprise like average no. of workers, fixed assets, outstanding loans, total receipts, total operating expenses and gross value added separately for ‘Own Account Enterprises(OAEs)’ and ‘Establishments’. Information on various operational characteristics like ownership, nature of operation, location, status of registration etc., were also collected to have an insight into economic scenario of the unincorporated non-agricultural enterprises in our state. Under the above sectoral coverage, enterprises were categorised into two types i)Own Account Enterprises(OAE) ii)Establishments(EST).Own Account Enterprises (OAE) are those enterprises that do not employ hired workers on a fairly regular basis in the reference year and Establishments employ at least one hired worker on a fairly regular basis in the reference year. Through this survey the entire geographical area of the State were covered by dividing survey period into four equal sub rounds.

During the field work, data was collected from 392 panchayat wards and 248 UFS blocks through “**Central sample**” by NSSO and DES Kerala participated with 50% additional “**State samples**” which comprises 584 panchayat wards and 376 UFS blocks. Even though these sample size is sufficient to estimate the parameters at state level; the district level estimates can be generated only by pooling central and state sample. Some important parameters estimated at district level by the process of pooling and the procedure of poolability test is described in this chapter.

3.2 Testing the poolability of two sets of data:

There will be non sampling errors even though the central and state sample are drawn independently by following identical sample design with same concepts and definition for collecting data. This is mainly due to reasons like lack of adequate training to field staffs and data processing staffs, agency bias etc. So before performing pooling exercise, poolability test has been conducted to ensure whether the samples are coming from identical distribution function. The important poolability tests undertaken district wise for 67th round pooling process were

- a) District wise Wald-Wolfowitz run test for GVAPW by BAC for central and state sample separately for OAE and EST [non parametric Z-test]
- b) District wise divergence test for GVAPW by BAC for central and state sample separately for OAE and EST (Establishments) between central and state sample [parametric Z-test]
- c) District wise Chi-square test for Number of enterprises and Number of workers by BAC and enterprise type

3.3 Methodology of pooling:

Two alternate methods are used in pooling the central and state sample data of 67th round were given below

- a) **weighting by Matching ratio:** Building aggregate estimate of pooled sample in proportion matching ratio m:n of central and state sample aggregate estimate where m and n are the allotted sample for central and state sample separately for rural and urban sector. Building ratio estimate of pooled sample as ratio of aggregate estimates.
- b) **Weighting by inverse of variance:** Ratio estimates are built by weighting the ratio estimate of central and state sample in proportion to inverse of variance of ratio of the central and state sample estimates.

3.4 Parameters considered for pooling

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

- a) *District wise estimated number of enterprises and workers by sector, enterprise type [OAE(own account enterprise), EST(establishment), ALL] and BAC [broad activity category: Manufacturing(MFG), Trade and Services]*
- b) *State level estimated enterprises and workers by sector, enterprise type (OAE, EST, ALL) and CC (compilation category: 63 NAD CC)*
- c) *District wise emoluments per hired worker by sector and BAC*
- d) *State level emoluments per hired worker by sector and CC (63 NAD CC)*
- e) *District wise GVA per enterprises by sector, enterprise type (OAE, EST, ALL) and BAC*
- f) *State level GVA per enterprises by sector and CC (63 NAD CC)*
- g) *District wise GVA per worker by sector, enterprise type (OAE, EST, ALL) and BAC*
- h) *State level GVA per worker by sector and CC (63 NAD CC)*

A detailed overview on above mentioned pooled estimates was presented below.

3.5 Estimate of Number of Enterprises and Number of workers

3.5.1 The methodology used for pooling process to obtain the estimates of number of enterprises and number of workers is the matching ratio method. Here the state sample is considered to form two independent sub samples s_1 and s_2 and the central sample c_1 and c_2 then based on this respective estimates for state and central are ;

$$t_{s} = (t_{s1} + t_{s2})/2 \quad \text{and} \quad t_{c} = (t_{c1} + t_{c2})/2$$

Then by the method of matching ratio, the pooled estimate is obtained by taking the weighted average with weights being the matching ratio, and here it is 1 : 1.5 as DES Kerala participating with 50% additional samples. Then the pooled estimate is

$$t_p = (2t_c + 3t_s)/5 \quad \text{and} \quad V(t_p) = (4t_c + 9t_s)/25$$

Before performing pooling, Chi-square test is performed as poolability test with 1% level of significance and it can be seen that the test suggests poolability of two sets of sample data for most of the districts.

3.5.2 District wise estimated number of enterprises

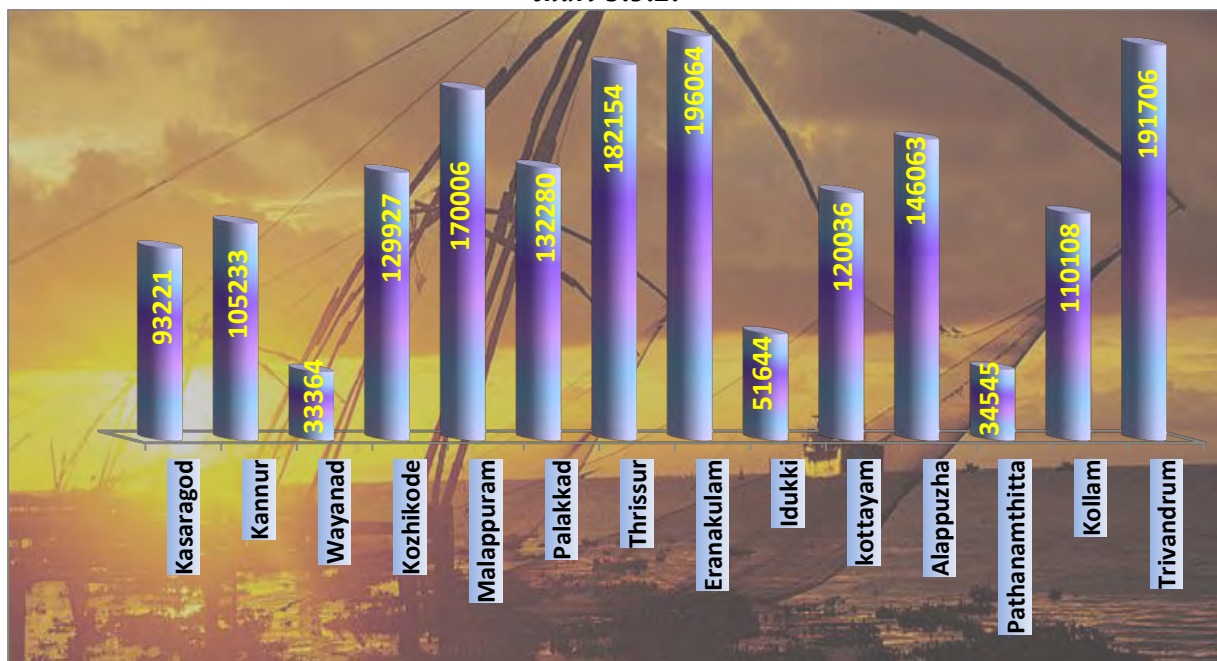
One of the core objectives of the 67th round survey is to obtain district level estimates of the number of enterprises in the unincorporated non-agricultural enterprise sector. From *Statement 3.5.2* it can be observed that in the rural part a higher percentage of concentration of enterprises are in Malappuram and Thrissur districts, whereas in the urban part maximum concentration is in Ernakulam and Thiruvananthapuram districts.

Statement 3.5.2: District wise percentage distribution of number of enterprises		
District	Rural	Urban
Kasaragod	6.96	2.85
Kannur	4.18	9.86
Wayanad	2.82	0.41
Kozhikode	5.20	12.11
Malappuram	11.43	7.47
Palakkad	10.03	3.75
Thrissur	10.41	11.34
Ernakulam	7.57	18.78
Idukki	4.16	1.03
Kottayam	8.87	3.83
Alappuzha	8.15	9.44
Pathanamthitta	2.60	1.01
Kollam	8.39	3.05
Thiruvananthapuram	9.23	15.05

The total number of enterprises in the unincorporated non-agricultural enterprise sector, excluding construction, is estimated as 16.96 lakhs. The distribution of these enterprises across various districts is presented in *chart 3.5.2*. From this chart, it is clear that Ernakulam and

Thiruvananthapuram districts possessed major share in such enterprises while Pathanamthitta and Wayanad had least such enterprises .

chart 3.5.2.



3.5.3 Compilation category wise estimated number of enterprises

The industry group to which the enterprise belongs to unincorporated non agricultural enterprises is compiled into 63 categories according to NAD. Estimated number of enterprises according to this compilation category is given in table 5 of Appendix A. It can be observed that the top three compilation categories according to the number of enterprises estimated and their percentage share among all is *i) Retail trade(CC 30) – 27.54% ii) Non scheduled passenger transport by motor vehicles(CC 34) - 9.46% iii) Custom tailoring(CC 61) - 8.86%* . It can also be seen from the same table that there is no sectoral difference (rural & urban) in this pattern.

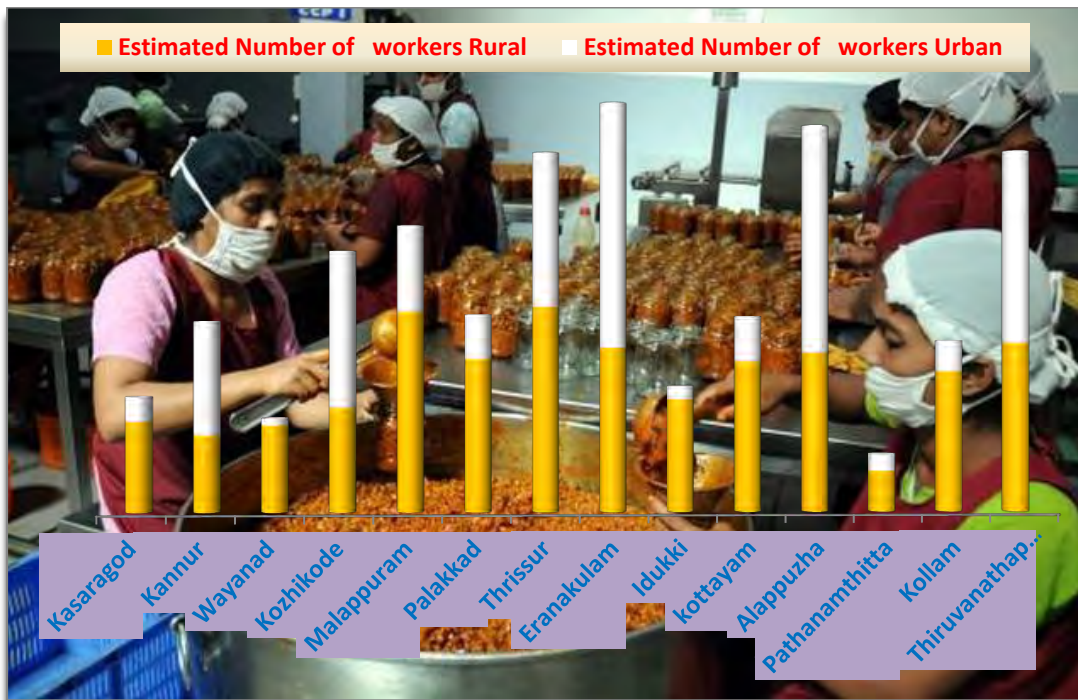
3.5.4 District wise estimated number of workers

District wise number of workers distributed over the unincorporated non agricultural enterprises is estimated by the abovesaid matching ratio pooling method and is presented in *statement 3.5.4* . It can be observed that out of 35.18 lakhs estimated workers 58% belongs to rural sector.As in the case of estimated number of enterprises , Ernakulam district possess the major share in number of workers .

Statement 3.5.4 Estimated Number of workers			
District	Rural	Urban	Combined
Kasaragod	99515	26676	126191
Kannur	84639	124283	208922
Wayanad	95394	7419	102813
Kozhikode	114701	171130	285831
Malappuram	219154	94572	313726
Palakkad	167841	48465	216306
Thrissur	224292	169052	393345
Ernakulam	179837	268191	448028
Idukki	123439	14265	137704
kottayam	165073	49309	214382
Alappuzha	174246	249437	423683
Pathanamthitta	44971	18074	63046
Kollam	154100	33367	187468
Thiruvananthapuram	185264	211149	396413
All	2032465	1485389	3517875

From **chart 3.5.4** presented below, it is clear that proportion of number of workers is higher in Ernakulam and Thiruvananthapuram districts whereas the proportion is lower in Pathanamthitta and Wayanad districts.

chart 3.5.4



3.5.5 Compilation category wise estimated number of workers

Table 6 in Appendix A describes estimated number of workers distributed over 63 compilation categories in rural and urban sectors. Statement 3.5.5 provides compilation category wise distribution of number of workers according to their major share of representation

Statement 3.5.5 : Compilation category according to major share of estimated No. Of workers			
Sector	Ist position	IInd position	IIIrd position
Rural	Retail trade (except motor vehicle)- (CC 30)	Financial excluding insurance and pension (CC 39)	Custom Tailoring (CC 61)
Urban	Retail trade (except motor vehicle)- (CC 30)	Financial excluding insurance and pension (CC 39)	Restaurant+bars+canteen (CC 32)
Combined	Retail trade (except motor vehicle)- (CC 30)	Financial excluding insurance and pension (CC 39)	Restaurant+bars+canteen (CC 32)

3.5.6 RSE of estimates

Relative Standard Error measures the divergence of the estimate as a fraction of estimate from the true population. Distribution of districts by range of relative standard error of estimate of Number of enterprises and Number of workers of Central, State and Pooled sample were presented in **statement 3.5.6** and **statement 3.5.6**.

Statement 3.5.6 : Distribution of districts by range of RSE of number of enterprises								
Range		<=5%	5-10%	10-15%	15-20%	20-25%	25-30%	>30%
Rural	Central	0	6	4	2	1	1	0
	State	1	4	6	2	1	0	0
	Pooled	1	7	5	1	0	0	0
Urban	Central	2	4	2	0	1	2	3
	State	2	4	3	1	0	2	2
	Pooled	2	5	3	1	2	0	1

Statement 3.5.7 : Distribution of districts by range of RSE of number of workers								
Range		<=5%	5-10%	10-15%	15-20%	20-25%	25-30%	>30%
Rural	Central	0	4	4	5	1	0	0
	State	0	3	4	2	3	1	1
	Pooled	0	5	7	2	0	0	0
Urban	Central	2	2	1	0	2	3	3
	State	0	2	2	2	3	1	5
	Pooled	0	2	8	0	2	1	2

It can be seen from the above distribution that pooled estimate have relatively lower RSE. In majority of districts RSE of pooled estimate found to be less than 20 % except for one or two districts. .The above statements itself reveals the fact that precision of estimate increased through pooling process.

3.6 Gross Value Added per Enterprise and Worker

One of the major objective of the Unincorporated non agricultural enterprises survey is to obtain the estimates of Gross Value Added per enterprise and worker. As mentioned earlier there are several methods are available for pooling the central and state data; the method we adopted here is Weighting by inverse of variance. In this method estimates are built by weighting the ratio estimate of central and state sample in proportion to inverse of variance of ratio of the central and state sample. Here the state sample is considered to form two independent sub samples s1 and s2 and the central sample c1 and c2 then based on this respective estimates for state and central are ;

$$t_s = (ts_1 + ts_2) / 2 \quad \text{and} \quad t_c = (tc_1 + tc_2) / 2$$

Then the pooled estimate by this method is given by

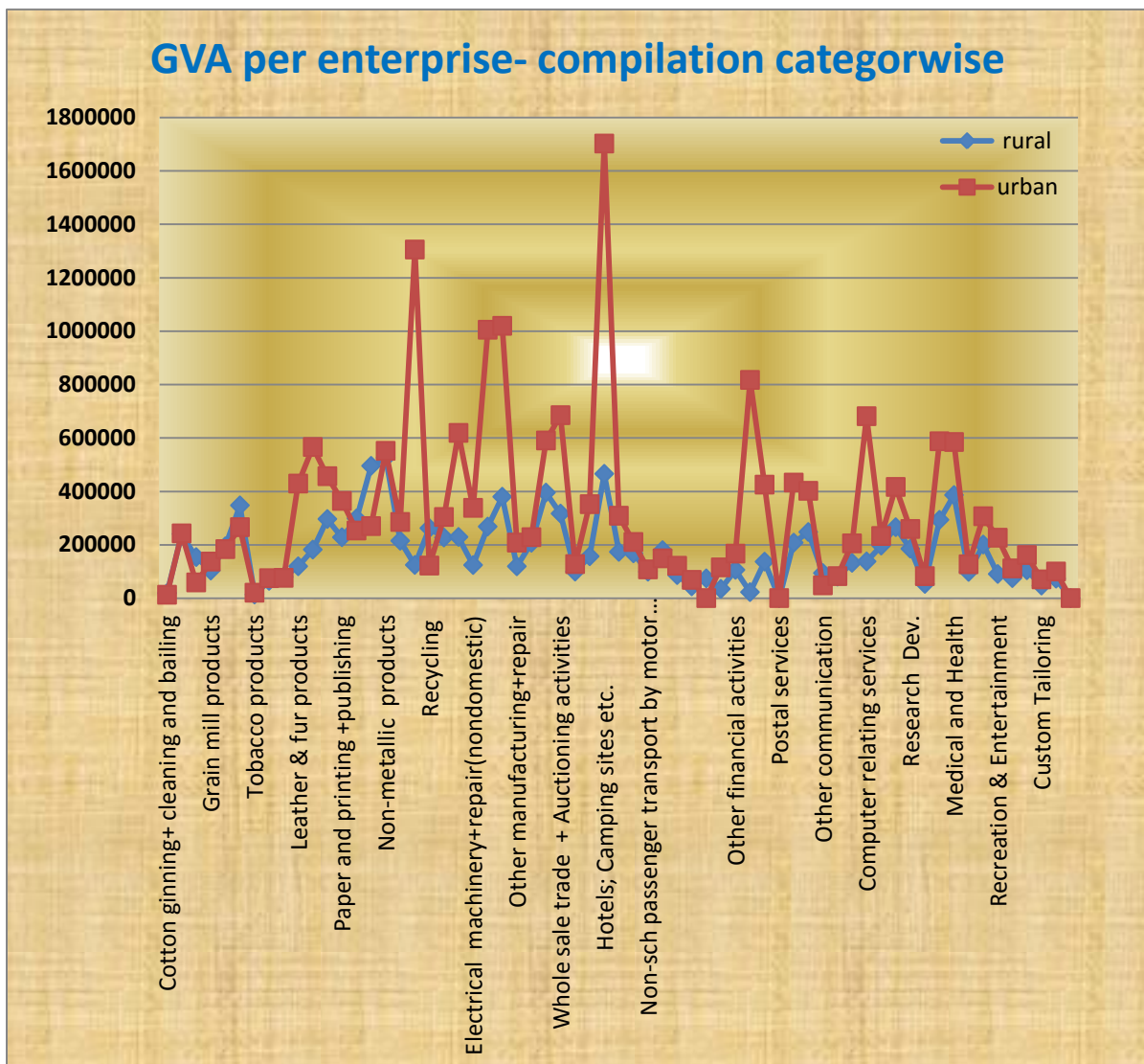
$$t_p = \frac{V(tc) t_s + V(ts) t_c}{V(tc) + V(ts)} \quad \text{with}$$

$$V(t_p) = \frac{V(tc) V(ts)}{V(tc) + V(ts)}$$

The process of pooling will be meaningful only when the samples are drawn from identical distribution function. In order to check the poolability, here we used Wald-Wolfowitz run test. This nonparametric test for GVA is performed at 1% level of significance. Here we reject the null hypothesis if the calculated value of test statistic is less than -2.33. It can be seen that the test is accepted for majority of the districts.

3.6.1 Estimate of GVA per enterprise

As mentioned above, the pooled estimate of gross value added per enterprise is estimated by the method of inverse variance and the sector-wise (Rural & Urban) estimate according to Own Account Enterprise and Establishment is given in Table 7. **Chart 3.6.1** presents the compilation category-wise gross value added per enterprise for the combined enterprise type (OAE and Establishment) for



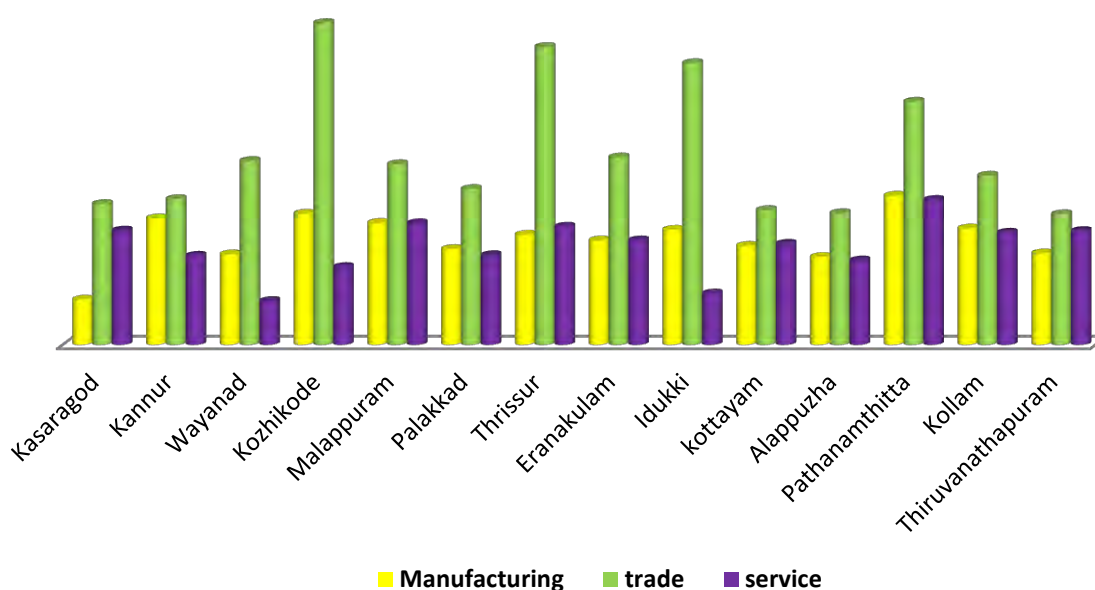
both rural and urban sector. It can be seen that in rural sector GVAE is higher in the compilation

category group “basic metals (NIC code23)” and in urban Sector it is in “basic metals Non-Ferrous (NIC code 242+2432)”.

3.6.2 Estimate of GVA per worker (GVAPW)

Gross value added per worker is the most important parameter estimated through this survey. District wise and compilation category wise estimate of GVAPW is generated by the pooling method of inverse variance and these estimates are extremely relevant for effective planning and policy making for state governments. As described in chapter II, the non agricultural enterprises covered through this survey is broadly classified in to i) manufacturing ii) trade and iii) service sectors.

Chart3.6.2 given below gives the district wise GVAPW according the three sectors all over kerala.



The distribution of GVAPW over 63 compilation categories in both rural and urban sector is presented in **chart 3.6.2(a)** given below. From this chart it is clear that in rural sector GVAPW is higher in the category 27(Sale of motor vehicles) , in urban sector it higher in compilation category 49(Computer relating services). From table 8 in Appendix A we can see that , all over Kerala GVAPW is higher in the compilation category 55(Medical and health sector).



Chart3.6.2 (a)

Urban

Rural

3.6.3 RSE of estimates

As mentioned earlier Relative Standard Error measures the divergence of the estimate as a fraction of estimate from the true population. Distribution of compilation categories by range of relative standard error of estimate Gross Value Added of Central, State and Pooled sample were presented in **statement 3.6.3**

Statement 3.5.6 : Distribution of CCs by range of RSE of GVA								
Range		<=5%	5-10%	10-15%	15-20%	20-25%	25-30%	>30%
Rural	Central	11	9	11	10	3	4	15
	State	9	13	11	13	5	5	7
	Pooled	9	14	14	9	4	6	7
Urban	Central	12	9	12	3	6	2	7
	State	16	16	12	7	2	5	5
	Pooled	14	19	12	8	4	3	3

It can be seen from the above distribution that pooled estimate have relatively lower RSE. In majority of the compilation categories RSE of pooled estimate found to be less than 25%.The above statement itself reveals the fact that precision of estimate increased through pooling process.

Appendix A

Detailed Pooled Tables

Table38a(R)CC: Compilation Category wise estimated no of enterprises and sample enterprises for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
01	Cotton ginning+ cleaning and bailing	12	1
02	Meat+fish+fruits+vegetables+oils	9991	330
03	Dairy products	227	5
04	Grain mill products	12964	403
05	Other food products	10885	308
06	Beverages	2337	80
07	Tobacco products	38664	191
08	Spinning+ weaving+finishing of textiles	30402	354
09	Wearing apparel	12476	295
10	Leather & fur products	1745	42
11	Wood and wood products	20339	483
12	Furniture	12379	423
13	Paper and printing +publishing	3879	117
14	Rubber+ plastic+petroleum products etc.	3381	103
15	Pharmaceuticals+chemical and chemical products	1901	60
16	Non-metallic products	5140	187
17	Basic metals(Ferrous)	286	13
18	Basic metals(Non-Ferrous)	22	2
19	Recycling	196	4
20	Febricated metal products+repair(nondomestic)	14871	511
21	Computer+electronics+optical+repair(nondomestic)	129	6
22	Electrical machinery+repair(nondomestic)	2042	43
23	Machinery nec+repair(nondomestic)	631	28
24	Transport equipment+repair(nondomestic)	263	10
25	Other manufacturing+repair	10327	210
26	Repair of motor vehicles and motor cycles	14802	385
27	Sale of motor vehicles	4636	91
28	Whole sale trade + Auctioning activities	18949	405
29	Repair of personal and household goods	19793	365
30	Retail trade (except motor vehicle)	306906	6320
31	Hotels; Camping sites etc.	2312	61

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
32	Restaurant+bars+canteen	59805	1566
33	Scheduled passenger land transport	11617	168
34	Non-sch passenger transport by motor vehicles	108298	1499
35	Freight transport by motor vehicles	23672	376
36	Other non-scheduled passenger land transport	638	10
37	Freight transport other than by motor vehicles	131	3
38	water Transport	215	5
39	Financial excl insurance and pension	63438	926
40	Other financial activities	11995	180
41	Storage and Ware Housing	35	1
42	Supporting & Auxiliary transport activities	2236	52
43	Postal services	0	0
44	Courier activities	302	11
45	Cable operator	1227	60
46	Other communication	3008	73
47	Real Estate	21319	320
48	Renting of Machinery	12387	320
49	Computer relating services	3213	76
50	Legal services	739	16
51	Accounting+Book-Keeping	362	11
52	Research Dev.	17116	395
53	Education	14426	259
54	Coaching centre	13652	424
55	Medical and Health	12807	352
56	Sanitary Services	580	12
57	Membership Organisations	1617	43
58	Recreation & Entertainment	4565	117
59	Washing & cleaning of Textiles	3609	51
60	Hair dressing + beauty treatment	22163	540
61	Custom Tailoring	106755	2817
62	Funeral related + other services	8265	107
63	Pvt. Household with employed person	0	0
All		1093081	22626

Table-38a(U)CC: Compilation Category wise estimated no of enterprises and sample enterprises for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
01	Cotton ginning+ cleaning and bailing	282	1
02	Meat+fish+fruits+vegetables+oils	4746	178
03	Dairy products	27	3
04	Grain mill products	5204	196
05	Other food products	6569	257
06	Beverages	1145	45
07	Tobacco products	8653	93
08	Spinning+ weaving+finishing of textiles	21546	272
09	Wearing apparel	5951	177
10	Leather & fur products	855	41
11	Wood and wood products	5537	214
12	Furniture	5159	172
13	Paper and printing +publishing	3855	165
14	Rubber+ plastic+petroleum products etc.	1066	52
15	Pharmaceuticals+chemical and chemical products	1256	33
16	Non-metallic products	2593	103
17	Basic metals(Ferrous)	122	6
18	Basic metals(Non-Ferrous)	236	2
19	Recycling	94	3
20	Fabricated metal products+repair(nondomestic)	6833	284
21	Computer+electronics+optical+repair(nondomestic)	199	11
22	Electrical machinery+repair(nondomestic)	733	32
23	Machinery nec+repair(nondomestic)	495	23
24	Transport equipment+repair(nondomestic)	484	22
25	Other manufacturing+repair	14588	345
26	Repair of motor vehicles and motor cycles	10528	402
27	Sale of motor vehicles	4065	154
28	Whole sale trade + Auctioning activities	21017	486
29	Repair of personal and household goods	12647	304
30	Retail trade (except motor vehicle)	160230	3524
31	Hotels; Camping sites etc.	2269	110

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
32	Restaurant+bars+canteen	29591	980
33	Scheduled passenger land transport	3039	31
34	Non-sch passenger transport by motor vehicles	52125	925
35	Freight transport by motor vehicles	9936	186
36	Other non-scheduled passenger land transport	803	13
37	Freight transport other than by motor vehicles	369	5
38	water Transport	0	0
39	Financial excl insurance and pension	19694	378
40	Other financial activities	7668	154
41	Storage and Ware Housing	36	2
42	Supporting & Auxiliary transport activities	2694	88
43	Postal services	0	0
44	Courier activities	359	21
45	Cable operator	499	19
46	Other communication	3501	65
47	Real Estate	16191	257
48	Renting of Machinery	5671	158
49	Computer relating services	3726	111
50	Legal services	8453	80
51	Accounting+Book-Keeping	1393	50
52	Research Dev.	18508	411
53	Education	12541	222
54	Coaching centre	11562	363
55	Medical and Health	13052	323
56	Sanitary Services	920	12
57	Membership Organisations	1564	55
58	Recreation & Entertainment	3771	90
59	Washing & cleaning of Textiles	2883	57
60	Hair dressing + beauty treatment	13867	323
61	Custom Tailoring	43550	1514
62	Funeral related + other services	6321	108
63	Pvt. Household with employed person	0	0
All		603270	14711

Table-38a(R+U)CC: Compilation Category wise estimated no of enterprises and sample enterprises for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
01	Cotton ginning+ cleaning and bailing	294	2
02	Meat+fish+fruits+vegetables+oils	14737	508
03	Dairy products	254	8
04	Grain mill products	18168	599
05	Other food products	17455	565
06	Beverages	3482	125
07	Tobacco products	47317	284
08	Spinning+ weaving+finishing of textiles	51949	626
09	Wearing apparel	18427	472
10	Leather & fur products	2600	83
11	Wood and wood products	25876	697
12	Furniture	17538	595
13	Paper and printing +publishing	7734	282
14	Rubber+ plastic+petroleum products etc.	4447	155
15	Pharmaceuticals+chemical and chemical products	3157	93
16	Non-metallic products	7733	290
17	Basic metals(Ferrous)	408	19
18	Basic metals(Non-Ferrous)	259	4
19	Recycling	290	7
20	Fabricated metal products+repair(nondomestic)	21703	795
21	Computer+electronics+optical+repair(nondomestic)	328	17
22	Electrical machinery+repair(nondomestic)	2775	75
23	Machinery nec+repair(nondomestic)	1126	51
24	Transport equipment+repair(nondomestic)	747	32
25	Other manufacturing+repair	24915	555
26	Repair of motor vehicles and motor cycles	25330	787
27	Sale of motor vehicles	8702	245
28	Whole sale trade + Auctioning activities	39966	891
29	Repair of personal and household goods	32441	669
30	Retail trade (except motor vehicle)	467135	9844
31	Hotels; Camping sites etc.	4581	171

Sl.No.	Compilation Category	Estimated enterprises	Sample enterprises
32	Restaurant+bars+canteen	89397	2546
33	Scheduled passenger land transport	14655	199
34	Non-sch passenger transport by motor vehicles	160423	2424
35	Freight transport by motor vehicles	33608	562
36	Other non-scheduled passenger land transport	1442	23
37	Freight transport other than by motor vehicles	500	8
38	water Transport	215	5
39	Financial excl insurance and pension	83132	1304
40	Other financial activities	19663	334
41	Storage and Ware Housing	70	3
42	Supporting & Auxiliary transport activities	4930	140
43	Postal services	0	0
44	Courier activities	662	32
45	Cable operator	1726	79
46	Other communication	6508	138
47	Real Estate	37510	577
48	Renting of Machinery	18058	478
49	Computer relating services	6940	187
50	Legal services	9192	96
51	Accounting+Book-Keeping	1755	61
52	Research Dev.	35624	806
53	Education	26968	481
54	Coaching centre	25214	787
55	Medical and Health	25858	675
56	Sanitary Services	1500	24
57	Membership Organisations	3181	98
58	Recreation & Entertainment	8336	207
59	Washing & cleaning of Textiles	6492	108
60	Hair dressing + beauty treatment	36030	863
61	Custom Tailoring	150305	4331
62	Funeral related + other services	14586	215
63	Pvt. Household with employed person	0	0
All		1696351	37337

Table-38b(R)CC: Compilation Category wise estimated number of workers and sample number of workers for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated workers	Sample workers
01	Cotton ginning+ cleaning and bailing	12	1
02	Meat+fish+fruits+vegetables+oils	27096	1192
03	Dairy products	279	6
04	Grain mill products	23953	745
05	Other food products	32851	1181
06	Beverages	6841	267
07	Tobacco products	39205	206
08	Spinning+ weaving+finishing of textiles	46912	999
09	Wearing apparel	17022	517
10	Leather & fur products	5733	173
11	Wood and wood products	42258	1449
12	Furniture	31439	1286
13	Paper and printing +publishing	11794	392
14	Rubber+ plastic+petroleum products etc.	10369	462
15	Pharmaceuticals+chemical and chemical products	8752	397
16	Non-metallic products	21664	912
17	Basic metals(Ferrous)	507	25
18	Basic metals(Non-Ferrous)	35	3
19	Recycling	874	19
20	Fabricated metal products+repair(nondomestic)	33522	1416
21	Computer+electronics+optical+repair(nondomestic)	404	21
22	Electrical machinery+repair(nondomestic)	2974	110
23	Machinery nec+repair(nondomestic)	1541	74
24	Transport equipment+repair(nondomestic)	997	37
25	Other manufacturing+repair	18411	436
26	Repair of motor vehicles and motor cycles	29501	982
27	Sale of motor vehicles	9970	233
28	Whole sale trade + Auctioning activities	46241	1048
29	Repair of personal and household goods	23697	499
30	Retail trade (except motor vehicle)	426275	9408
31	Hotels; Camping sites etc.	9526	270

Sl.No.	Compilation Category	Estimated workers	Sample workers
32	Restaurant+bars+canteen	122449	4052
33	Scheduled passenger land transport	15901	379
34	Non-sch passenger transport by motor vehicles	116902	1838
35	Freight transport by motor vehicles	30486	646
36	Other non-scheduled passenger land transport	662	11
37	Freight transport other than by motor vehicles	145	4
38	water Transport	381	12
39	Financial excl insurance and pension	393902	5451
40	Other financial activities	13198	243
41	Storage and Ware Housing	69	2
42	Supporting & Auxiliary transport activities	3190	104
43	Postal services	0	0
44	Courier activities	1159	45
45	Cable operator	3929	197
46	Other communication	4370	103
47	Real Estate	23360	407
48	Renting of Machinery	24726	720
49	Computer relating services	5211	177
50	Legal services	1345	29
51	Accounting+Book-Keeping	793	37
52	Research Dev.	32087	811
53	Education	26432	848
54	Coaching centre	57185	2867
55	Medical and Health	30298	1404
56	Sanitary Services	759	20
57	Membership Organisations	3902	193
58	Recreation & Entertainment	14017	488
59	Washing & cleaning of Textiles	5560	85
60	Hair dressing + beauty treatment	29507	773
61	Custom Tailoring	128878	3793
62	Funeral related + other services	11006	132
63	Pvt. Household with employed person	0	0
All		2032465	50637

Table-38b(U)CC: Compilation Category wise estimated number of workers and sample number of workers for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated workers	Sample workers
01	Cotton ginning+ cleaning and bailing	282	1
02	Meat+fish+fruits+vegetables+oils	11201	483
03	Dairy products	53	5
04	Grain mill products	9574	389
05	Other food products	17742	805
06	Beverages	2496	126
07	Tobacco products	8676	94
08	Spinning+ weaving+finishing of textiles	37291	764
09	Wearing apparel	8635	345
10	Leather & fur products	3407	167
11	Wood and wood products	20423	770
12	Furniture	18535	567
13	Paper and printing +publishing	14968	652
14	Rubber+ plastic+petroleum products etc.	3187	163
15	Pharmaceuticals+chemical and chemical products	7413	152
16	Non-metallic products	10822	426
17	Basic metals(Ferrous)	343	15
18	Basic metals(Non-Ferrous)	2423	13
19	Recycling	132	5
20	Fabricated metal products+repair(nondomestic)	19346	885
21	Computer+electronics+optical+repair(nondomestic)	903	47
22	Electrical machinery+repair(nondomestic)	1918	91
23	Machinery nec+repair(nondomestic)	2744	96
24	Transport equipment+repair(nondomestic)	2989	146
25	Other manufacturing+repair	28053	730
26	Repair of motor vehicles and motor cycles	24021	1113
27	Sale of motor vehicles	12096	562
28	Whole sale trade + Auctioning activities	66279	1852
29	Repair of personal and household goods	17673	478
30	Retail trade (except motor vehicle)	431370	7255
31	Hotels; Camping sites etc.	16962	808

Sl.No.	Compilation Category	Estimated workers	Sample workers
32	Restaurant+bars+canteen	87925	3696
33	Scheduled passenger land transport	4613	99
34	Non-sch passenger transport by motor vehicles	55567	1104
35	Freight transport by motor vehicles	13115	303
36	Other non-scheduled passenger land transport	890	16
37	Freight transport other than by motor vehicles	369	5
38	water Transport	0	0
39	Financial excl insurance and pension	138479	2436
40	Other financial activities	9314	235
41	Storage and Ware Housing	340	17
42	Supporting & Auxiliary transport activities	9757	286
43	Postal services	0	0
44	Courier activities	1473	79
45	Cable operator	1649	67
46	Other communication	4643	97
47	Real Estate	18449	322
48	Renting of Machinery	12373	400
49	Computer relating services	10877	369
50	Legal services	18457	220
51	Accounting+Book-Keeping	5417	236
52	Research Dev.	44043	1183
53	Education	20014	487
54	Coaching centre	69806	3005
55	Medical and Health	33957	1965
56	Sanitary Services	1614	23
57	Membership Organisations	7920	291
58	Recreation & Entertainment	13625	360
59	Washing & cleaning of Textiles	5703	121
60	Hair dressing + beauty treatment	22064	558
61	Custom Tailoring	63613	2613
62	Funeral related + other services	7370	151
63	Pvt. Household with employed person	0	0
All		1485391	40749

Table-38b(R+U)CC: Compilation Category wise estimated number of workers and sample number of workers for pooled sample (OAE+EST)

Sl.No.	Compilation Category	Estimated workers	Sample workers
01	Cotton ginning+ cleaning and bailing	294	2
02	Meat+fish+fruits+vegetables+oils	38297	1675
03	Dairy products	332	11
04	Grain mill products	33527	1134
05	Other food products	50593	1986
06	Beverages	9337	393
07	Tobacco products	47882	300
08	Spinning+ weaving+finishing of textiles	84203	1763
09	Wearing apparel	25657	862
10	Leather & fur products	9140	340
11	Wood and wood products	62682	2219
12	Furniture	49974	1853
13	Paper and printing +publishing	26761	1044
14	Rubber+ plastic+petroleum products etc.	13556	625
15	Pharmaceuticals+chemical and chemical products	16164	549
16	Non-metallic products	32486	1338
17	Basic metals(Ferrous)	850	40
18	Basic metals(Non-Ferrous)	2458	16
19	Recycling	1006	24
20	Febricated metal products+repair(nondomestic)	52868	2301
21	Computer+electronics+optical+repair(nondomestic)	1306	68
22	Electrical machinery+repair(nondomestic)	4892	201
23	Machinery nec+repair(nondomestic)	4284	170
24	Transport equipment+repair(nondomestic)	3986	183
25	Other manufacturing+repair	46465	1166
26	Repair of motor vehicles and motor cycles	53522	2095
27	Sale of motor vehicles	22065	795
28	Whole sale trade + Auctioning activities	112521	2900
29	Repair of personal and household goods	41371	977
30	Retail trade (except motor vehicle)	857645	16663
31	Hotels; Camping sites etc.	26488	1078

Sl.No.	Compilation Category	Estimated workers	Sample workers
32	Restaurant+bars+canteen	210374	7748
33	Scheduled passenger land transport	20514	478
34	Non-sch passenger transport by motor vehicles	172470	2942
35	Freight transport by motor vehicles	43602	949
36	Other non-scheduled passenger land transport	1552	27
37	Freight transport other than by motor vehicles	514	9
38	water Transport	381	12
39	Financial excl insurance and pension	532381	7887
40	Other financial activities	22512	478
41	Storage and Ware Housing	409	19
42	Supporting & Auxiliary transport activities	12947	390
43	Postal services	0	0
44	Courier activities	2632	124
45	Cable operator	5578	264
46	Other communication	9014	200
47	Real Estate	41809	729
48	Renting of Machinery	37099	1120
49	Computer relating services	16088	546
50	Legal services	19802	249
51	Accounting+Book-Keeping	6209	273
52	Research Dev.	76130	1994
53	Education	46446	1335
54	Coaching centre	126991	5872
55	Medical and Health	64256	3369
56	Sanitary Services	2373	43
57	Membership Organisations	11822	484
58	Recreation & Entertainment	27642	848
59	Washing & cleaning of Textiles	11263	206
60	Hair dressing + beauty treatment	51571	1331
61	Custom Tailoring	192491	6406
62	Funeral related + other services	18376	283
63	Pvt. Household with employed person	0	0
All		3517857	91386

Table-46(R)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	18600	0.00
02	Meat+fish+fruits+vegetables+oils	105049	10.24
03	Dairy products	48143	1.65
04	Grain mill products	77003	10.36
05	Other food products	92669	8.59
06	Beverages	89120	11.76
07	Tobacco products	12700	11.68
08	Spinning+ weaving+finishing of textiles	30030	8.52
09	Wearing apparel	55707	6.00
10	Leather & fur products	44042	10.04
11	Wood and wood products	48839	24.88
12	Furniture	132675	9.07
13	Paper and printing +publishing	72194	30.91
14	Rubber+ plastic+petroleum products etc.	74911	15.18
15	Pharmaceuticals+chemical and chemical products	39909	18.40
16	Non-metallic products	165114	27.80
17	Basic metals(Ferrous)	49228	27.66
18	Basic metals(Non-Ferrous)	45204	0.00
19	Recycling	62400	0.00
20	Fabricated metal products+repair(nondomestic)	93044	11.94
21	Computer+electronics+optical+repair(nondomestic)	46507	0.00
22	Electrical machinery+repair(nondomestic)	79699	18.44
23	Machinery nec+repair(nondomestic)	71678	14.41
24	Transport equipment+repair(nondomestic)	146023	2.10
25	Other manufacturing+repair	66626	7.99
26	Repair of motor vehicles and motor cycles	116356	7.33
27	Sale of motor vehicles	163668	14.78
28	Whole sale trade + Auctioning activities	178825	10.51
29	Repair of personal and household goods	83028	4.51
30	Retail trade (except motor vehicle)	98569	2.45
31	Hotels; Camping sites etc.	66161	29.97

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	92144	5.06
33	Scheduled passenger land transport	93156	2.07
34	Non-sch passenger transport by motor vehicles	90471	1.80
35	Freight transport by motor vehicles	146139	9.18
36	Other non-scheduled passenger land transport	88239	7.51
37	Freight transport other than by motor vehicles	34678	0.00
38	water Transport	15936	0.00
39	Financial excl insurance and pension	21449	7.38
40	Other financial activities	96700	7.73
41	Storage and Ware Housing	0	0.00
42	Supporting & Auxiliary transport activities	65357	17.08
43	Postal services	0	0.00
44	Courier activities	0	0.00
45	Cable operator	132360	14.10
46	Other communication	60352	22.90
47	Real Estate	72083	20.28
48	Renting of Machinery	69526	9.92
49	Computer relating services	99680	13.74
50	Legal services	135551	14.68
51	Accounting+Book-Keeping	212705	5.61
52	Research Dev.	160506	22.32
53	Education	23904	11.83
54	Coaching centre	67369	21.69
55	Medical and Health	245881	33.23
56	Sanitary Services	55628	4.32
57	Membership Organisations	157007	56.32
58	Recreation & Entertainment	42812	14.24
59	Washing & cleaning of Textiles	67162	8.63
60	Hair dressing + beauty treatment	88126	3.41
61	Custom Tailoring	34971	3.60
62	Funeral related + other services	68752	9.29
63	Pvt. Household with employed person	0	0.00
All		78376	2.52

Table-46(U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	12540	0.00
02	Meat+fish+fruits+vegetables+oils	93628	10.52
03	Dairy products	50003	1.64
04	Grain mill products	90518	13.96
05	Other food products	83761	9.46
06	Beverages	127467	11.89
07	Tobacco products	20045	7.13
08	Spinning+ weaving+finishing of textiles	34418	20.23
09	Wearing apparel	51177	8.32
10	Leather & fur products	118612	14.99
11	Wood and wood products	61098	58.54
12	Furniture	182563	7.15
13	Paper and printing +publishing	79013	13.59
14	Rubber+ plastic+petroleum products etc.	100350	16.12
15	Pharmaceuticals+chemical and chemical products	59516	32.49
16	Non-metallic products	100058	16.78
17	Basic metals(Ferrous)	23976	0.00
18	Basic metals(Non-Ferrous)	1254408	0.00
19	Recycling	98340	0.00
20	Fabricated metal products+repair(nondomestic)	96633	8.03
21	Computer+electronics+optical+repair(nondomestic)	135504	0.00
22	Electrical machinery+repair(nondomestic)	112395	13.86
23	Machinery nec+repair(nondomestic)	82563	5.25
24	Transport equipment+repair(nondomestic)	33620	24.50
25	Other manufacturing+repair	90900	16.63
26	Repair of motor vehicles and motor cycles	108074	7.93
27	Sale of motor vehicles	203875	15.69
28	Whole sale trade + Auctioning activities	252670	21.12
29	Repair of personal and household goods	95044	5.85
30	Retail trade (except motor vehicle)	126620	5.69
31	Hotels; Camping sites etc.	201439	18.39

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	107971	6.04
33	Scheduled passenger land transport	110568	0.46
34	Non-sch passenger transport by motor vehicles	98284	2.16
35	Freight transport by motor vehicles	119716	6.67
36	Other non-scheduled passenger land transport	92242	12.27
37	Freight transport other than by motor vehicles	68360	10.23
38	water Transport	0	0.00
39	Financial excl insurance and pension	33641	13.45
40	Other financial activities	147698	30.12
41	Storage and Ware Housing	0	0.00
42	Supporting & Auxiliary transport activities	103880	16.11
43	Postal services	0	0.00
44	Courier activities	0	0.00
45	Cable operator	210451	30.00
46	Other communication	40028	8.77
47	Real Estate	71151	15.54
48	Renting of Machinery	84088	7.79
49	Computer relating services	120537	14.86
50	Legal services	225924	6.56
51	Accounting+Book-Keeping	183980	47.96
52	Research Dev.	134972	6.33
53	Education	32944	6.05
54	Coaching centre	53349	21.46
55	Medical and Health	160956	10.27
56	Sanitary Services	112910	13.36
57	Membership Organisations	28051	24.93
58	Recreation & Entertainment	102843	22.98
59	Washing & cleaning of Textiles	79699	10.35
60	Hair dressing + beauty treatment	120563	17.69
61	Custom Tailoring	36893	4.85
62	Funeral related + other services	91014	8.88
63	Pvt. Household with employed person	0	0.00
All		95531	3.45

Table-46(R+U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	12786	1.57
02	Meat+fish+fruits+vegetables+oils	101741	8.15
03	Dairy products	48383	1.44
04	Grain mill products	80682	8.66
05	Other food products	89598	7.17
06	Beverages	104184	10.80
07	Tobacco products	14043	9.64
08	Spinning+ weaving+finishing of textiles	31862	12.08
09	Wearing apparel	54257	5.07
10	Leather & fur products	55804	14.73
11	Wood and wood products	50484	23.69
12	Furniture	142677	6.89
13	Paper and printing +publishing	74268	22.08
14	Rubber+ plastic+petroleum products etc.	79488	17.33
15	Pharmaceuticals+chemical and chemical products	46985	20.73
16	Non-metallic products	145644	25.85
17	Basic metals(Ferrous)	48339	27.67
18	Basic metals(Non-Ferrous)	997547	0.00
19	Recycling	93961	6.19
20	Fabricated metal products+repair(nondomestic)	93866	9.52
21	Computer+electronics+optical+repair(nondomestic)	77147	13.18
22	Electrical machinery+repair(nondomestic)	85814	9.94
23	Machinery nec+repair(nondomestic)	74118	16.79
24	Transport equipment+repair(nondomestic)	95657	11.94
25	Other manufacturing+repair	81289	11.48
26	Repair of motor vehicles and motor cycles	113038	5.50
27	Sale of motor vehicles	180494	11.76
28	Whole sale trade + Auctioning activities	207038	12.40
29	Repair of personal and household goods	87566	3.72
30	Retail trade (except motor vehicle)	106877	2.66
31	Hotels; Camping sites etc.	124735	30.28

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	96353	3.95
33	Scheduled passenger land transport	96611	2.00
34	Non-sch passenger transport by motor vehicles	93020	1.45
35	Freight transport by motor vehicles	138234	7.72
36	Other non-scheduled passenger land transport	90431	7.04
37	Freight transport other than by motor vehicles	60270	29.72
38	water Transport	15936	0.00
39	Financial excl insurance and pension	24216	6.64
40	Other financial activities	115912	16.45
41	Storage and Ware Housing	0	0.00
42	Supporting & Auxiliary transport activities	80398	12.27
43	Postal services	0	0.00
44	Courier activities	0	0.00
45	Cable operator	168369	21.05
46	Other communication	49070	18.96
47	Real Estate	71682	12.40
48	Renting of Machinery	73471	6.67
49	Computer relating services	108493	9.92
50	Legal services	194505	11.77
51	Accounting+Book-Keeping	189441	38.99
52	Research Dev.	148612	15.15
53	Education	28164	6.81
54	Coaching centre	61884	16.01
55	Medical and Health	202627	17.70
56	Sanitary Services	93152	13.07
57	Membership Organisations	107829	77.11
58	Recreation & Entertainment	65680	16.94
59	Washing & cleaning of Textiles	72076	7.37
60	Hair dressing + beauty treatment	99128	7.69
61	Custom Tailoring	35494	2.92
62	Funeral related + other services	78330	7.20
63	Pvt. Household with employed person	0	0.00
All		83795	2.04

Table-46(R)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	0	0.00
02	Meat+fish+fruits+vegetables+oils	445101	10.50
03	Dairy products	508020	0.00
04	Grain mill products	190515	10.15
05	Other food products	420192	12.04
06	Beverages	610397	13.74
07	Tobacco products	398402	4.43
08	Spinning+ weaving+finishing of textiles	268880	10.67
09	Wearing apparel	264102	24.82
10	Leather & fur products	327239	22.63
11	Wood and wood products	503402	6.34
12	Furniture	414268	4.49
13	Paper and printing +publishing	362619	11.80
14	Rubber+ plastic+petroleum products etc.	570845	22.66
15	Pharmaceuticals+chemical and chemical products	1121095	17.42
16	Non-metallic products	675679	8.85
17	Basic metals(Ferrous)	1019658	28.45
18	Basic metals(Non-Ferrous)	188832	0.00
19	Recycling	273052	9.10
20	Fabricated metal products+repair(nondomestic)	376371	4.24
21	Computer+electronics+optical+repair(nondomestic)	323858	16.55
22	Electrical machinery+repair(nondomestic)	408491	27.23
23	Machinery nec+repair(nondomestic)	398726	50.12
24	Transport equipment+repair(nondomestic)	524630	32.79
25	Other manufacturing+repair	212478	15.44
26	Repair of motor vehicles and motor cycles	313329	8.70
27	Sale of motor vehicles	670543	25.05
28	Whole sale trade + Auctioning activities	509884	20.53
29	Repair of personal and household goods	208321	8.93
30	Retail trade (except motor vehicle)	427270	23.95
31	Hotels; Camping sites etc.	570837	28.84

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	425823	6.23
33	Scheduled passenger land transport	1219945	20.89
34	Non-sch passenger transport by motor vehicles	355626	16.20
35	Freight transport by motor vehicles	359767	8.90
36	Other non-scheduled passenger land transport	30540	0.00
37	Freight transport other than by motor vehicles	118440	0.00
38	water Transport	133479	4.86
39	Financial excl insurance and pension	314048	9.33
40	Other financial activities	270864	11.54
41	Storage and Ware Housing	22404	0.00
42	Supporting & Auxiliary transport activities	234759	20.89
43	Postal services	0	0.00
44	Courier activities	207680	11.34
45	Cable operator	268645	12.54
46	Other communication	209488	12.85
47	Real Estate	255767	19.85
48	Renting of Machinery	255286	6.95
49	Computer relating services	201842	21.58
50	Legal services	237504	7.31
51	Accounting+Book-Keeping	287062	10.09
52	Research Dev.	217783	9.07
53	Education	252189	9.51
54	Coaching centre	533265	13.21
55	Medical and Health	586539	21.67
56	Sanitary Services	232850	6.13
57	Membership Organisations	271910	106.95
58	Recreation & Entertainment	185346	15.54
59	Washing & cleaning of Textiles	184639	5.22
60	Hair dressing + beauty treatment	175621	4.18
61	Custom Tailoring	182398	5.16
62	Funeral related + other services	189315	16.22
63	Pvt. Household with employed person	0	0.00
All		392700	8.22

Table-46(U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	0	0.00
02	Meat+fish+fruits+vegetables+oils	401464	11.91
03	Dairy products	246564	0.00
04	Grain mill products	254091	12.01
05	Other food products	334176	9.37
06	Beverages	541689	22.88
07	Tobacco products	92400	0.00
08	Spinning+ weaving+finishing of textiles	330934	15.34
09	Wearing apparel	247391	13.40
10	Leather & fur products	549979	29.57
11	Wood and wood products	906209	32.64
12	Furniture	548894	9.32
13	Paper and printing +publishing	437040	8.21
14	Rubber+ plastic+petroleum products etc.	347321	17.89
15	Pharmaceuticals+chemical and chemical products	475387	33.11
16	Non-metallic products	701221	15.47
17	Basic metals(Ferrous)	305045	5.01
18	Basic metals(Non-Ferrous)	1314564	0.00
19	Recycling	213900	0.00
20	Fabricated metal products+repair(nondomestic)	410865	6.92
21	Computer+electronics+optical+repair(nondomestic)	682110	16.82
22	Electrical machinery+repair(nondomestic)	619164	10.71
23	Machinery nec+repair(nondomestic)	1164468	26.01
24	Transport equipment+repair(nondomestic)	1219773	23.54
25	Other manufacturing+repair	470832	5.48
26	Repair of motor vehicles and motor cycles	351586	7.44
27	Sale of motor vehicles	901060	41.41
28	Whole sale trade + Auctioning activities	893483	11.80
29	Repair of personal and household goods	281708	22.66
30	Retail trade (except motor vehicle)	796489	28.34
31	Hotels; Camping sites etc.	1992982	27.24

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	558118	7.65
33	Scheduled passenger land transport	968662	7.98
34	Non-sch passenger transport by motor vehicles	463435	12.40
35	Freight transport by motor vehicles	325178	12.49
36	Other non-scheduled passenger land transport	483181	5.21
37	Freight transport other than by motor vehicles	0	0.00
38	water Transport	0	0.00
39	Financial excl insurance and pension	877000	29.91
40	Other financial activities	329834	12.21
41	Storage and Ware Housing	816943	13.19
42	Supporting & Auxiliary transport activities	567818	12.14
43	Postal services	0	0.00
44	Courier activities	432513	16.49
45	Cable operator	494549	10.73
46	Other communication	85729	23.04
47	Real Estate	292044	41.68
48	Renting of Machinery	345827	8.79
49	Computer relating services	1051737	57.60
50	Legal services	232974	17.64
51	Accounting+Book-Keeping	525773	21.23
52	Research Dev.	365299	13.47
53	Education	497800	25.80
54	Coaching centre	930164	18.33
55	Medical and Health	1218492	27.45
56	Sanitary Services	267508	10.92
57	Membership Organisations	488864	23.48
58	Recreation & Entertainment	347667	18.46
59	Washing & cleaning of Textiles	207790	9.17
60	Hair dressing + beauty treatment	243218	14.19
61	Custom Tailoring	249555	4.53
62	Funeral related + other services	277269	16.30
63	Pvt. Household with employed person	0	0.00
All		635847	11.87

Table-46(R+U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	0	0.00
02	Meat+fish+fruits+vegetables+oils	429138	8.08
03	Dairy products	502123	0.00
04	Grain mill products	211505	7.97
05	Other food products	382594	9.86
06	Beverages	593355	11.64
07	Tobacco products	329798	5.35
08	Spinning+ weaving+finishing of textiles	293625	10.27
09	Wearing apparel	258346	14.49
10	Leather & fur products	454208	18.90
11	Wood and wood products	647426	19.77
12	Furniture	461280	5.20
13	Paper and printing +publishing	406986	6.96
14	Rubber+ plastic+petroleum products etc.	503386	17.24
15	Pharmaceuticals+chemical and chemical products	835691	15.08
16	Non-metallic products	684599	7.85
17	Basic metals(Ferrous)	520503	25.52
18	Basic metals(Non-Ferrous)	1248671	2.81
19	Recycling	267549	8.58
20	Fabricated metal products+repair(nondomestic)	389842	3.74
21	Computer+electronics+optical+repair(nondomestic)	565531	20.36
22	Electrical machinery+repair(nondomestic)	523036	11.90
23	Machinery nec+repair(nondomestic)	802114	27.89
24	Transport equipment+repair(nondomestic)	1019955	28.48
25	Other manufacturing+repair	353976	8.56
26	Repair of motor vehicles and motor cycles	329872	6.01
27	Sale of motor vehicles	789372	27.17
28	Whole sale trade + Auctioning activities	756409	9.55
29	Repair of personal and household goods	242160	14.10
30	Retail trade (except motor vehicle)	611494	20.47
31	Hotels; Camping sites etc.	1295459	20.54

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	488820	4.98
33	Scheduled passenger land transport	1140838	17.01
34	Non-sch passenger transport by motor vehicles	385850	11.55
35	Freight transport by motor vehicles	350215	7.35
36	Other non-scheduled passenger land transport	352899	19.78
37	Freight transport other than by motor vehicles	118440	0.00
38	water Transport	133479	4.86
39	Financial excl insurance and pension	541014	20.84
40	Other financial activities	303945	8.96
41	Storage and Ware Housing	427164	25.23
42	Supporting & Auxiliary transport activities	456169	11.69
43	Postal services	0	0.00
44	Courier activities	329815	20.37
45	Cable operator	323979	10.80
46	Other communication	151781	19.38
47	Real Estate	272426	24.20
48	Renting of Machinery	290218	5.79
49	Computer relating services	757704	53.40
50	Legal services	233214	14.95
51	Accounting+Book-Keeping	474813	15.09
52	Research Dev.	302867	9.99
53	Education	354989	14.36
54	Coaching centre	737888	13.13
55	Medical and Health	901278	20.94
56	Sanitary Services	245717	5.58
57	Membership Organisations	403494	36.35
58	Recreation & Entertainment	275451	13.62
59	Washing & cleaning of Textiles	202034	8.06
60	Hair dressing + beauty treatment	211357	8.58
61	Custom Tailoring	212046	3.57
62	Funeral related + other services	234218	20.03
63	Pvt. Household with employed person	0	0.00
All		511664	7.94

Table-46(R)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	18600	0.00
02	Meat+fish+fruits+vegetables+oils	240258	10.62
03	Dairy products	153498	32.84
04	Grain mill products	103166	8.77
05	Other food products	193966	11.55
06	Beverages	347230	16.64
07	Tobacco products	13505	11.76
08	Spinning+ weaving+finishing of textiles	64620	13.87
09	Wearing apparel	79491	28.83
10	Leather & fur products	119246	25.59
11	Wood and wood products	181626	17.47
12	Furniture	296202	6.00
13	Paper and printing +publishing	227769	16.47
14	Rubber+ plastic+petroleum products etc.	298441	20.50
15	Pharmaceuticals+chemical and chemical products	495210	27.66
16	Non-metallic products	525370	12.19
17	Basic metals(Ferrous)	214627	46.91
18	Basic metals(Non-Ferrous)	124209	0.00
19	Recycling	261909	12.64
20	Fabricated metal products+repair(nondomestic)	226871	5.30
21	Computer+electronics+optical+repair(nondomestic)	228998	27.54
22	Electrical machinery+repair(nondomestic)	123756	48.66
23	Machinery nec+repair(nondomestic)	267825	51.06
24	Transport equipment+repair(nondomestic)	379641	35.49
25	Other manufacturing+repair	118962	11.04
26	Repair of motor vehicles and motor cycles	207034	7.90
27	Sale of motor vehicles	395128	22.51
28	Whole sale trade + Auctioning activities	316524	12.75
29	Repair of personal and household goods	99209	6.30
30	Retail trade (except motor vehicle)	156466	12.27
31	Hotels; Camping sites etc.	465430	27.83

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	173011	5.66
33	Scheduled passenger land transport	167509	52.88
34	Non-sch passenger transport by motor vehicles	98783	2.85
35	Freight transport by motor vehicles	179572	6.94
36	Other non-scheduled passenger land transport	86075	7.79
37	Freight transport other than by motor vehicles	43890	28.64
38	water Transport	73953	1.68
39	Financial excl insurance and pension	34425	7.10
40	Other financial activities	105707	7.19
41	Storage and Ware Housing	22404	0.00
42	Supporting & Auxiliary transport activities	136554	17.28
43	Postal services	0	0.00
44	Courier activities	207680	11.34
45	Cable operator	247441	11.55
46	Other communication	93777	25.66
47	Real Estate	80364	19.14
48	Renting of Machinery	132029	7.80
49	Computer relating services	137400	13.90
50	Legal services	196582	13.68
51	Accounting+Book-Keeping	265505	16.12
52	Research Dev.	184935	13.07
53	Education	53109	11.13
54	Coaching centre	293113	16.51
55	Medical and Health	385982	19.30
56	Sanitary Services	98046	25.74
57	Membership Organisations	200575	51.45
58	Recreation & Entertainment	90322	19.13
59	Washing & cleaning of Textiles	74779	8.27
60	Hair dressing + beauty treatment	104297	3.88
61	Custom Tailoring	46854	4.35
62	Funeral related + other services	72780	8.88
63	Pvt. Household with employed person	0	0.00
All		135499	4.88

Table-46(U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	12540	0.00
02	Meat+fish+fruits+vegetables+oils	242278	10.72
03	Dairy products	58711	7.34
04	Grain mill products	136806	10.03
05	Other food products	183416	12.07
06	Beverages	265549	18.39
07	Tobacco products	20240	7.24
08	Spinning+ weaving+finishing of textiles	74603	11.21
09	Wearing apparel	75844	33.53
10	Leather & fur products	428797	23.31
11	Wood and wood products	565779	40.82
12	Furniture	456472	9.92
13	Paper and printing +publishing	363908	9.43
14	Rubber+ plastic+petroleum products etc.	252940	20.87
15	Pharmaceuticals+chemical and chemical products	269563	31.62
16	Non-metallic products	551354	18.30
17	Basic metals(Ferrous)	285040	5.96
18	Basic metals(Non-Ferrous)	1305021	0.35
19	Recycling	121802	14.44
20	Fabricated metal products+repair(nondomestic)	303615	8.22
21	Computer+electronics+optical+repair(nondomestic)	618520	14.08
22	Electrical machinery+repair(nondomestic)	337857	13.29
23	Machinery nec+repair(nondomestic)	1004770	26.34
24	Transport equipment+repair(nondomestic)	1019399	28.12
25	Other manufacturing+repair	207757	14.50
26	Repair of motor vehicles and motor cycles	228143	8.64
27	Sale of motor vehicles	590168	38.23
28	Whole sale trade + Auctioning activities	684851	13.13
29	Repair of personal and household goods	127325	13.22
30	Retail trade (except motor vehicle)	351680	23.74
31	Hotels; Camping sites etc.	1701813	26.32

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	308405	6.41
33	Scheduled passenger land transport	210026	37.21
34	Non-sch passenger transport by motor vehicles	107548	2.24
35	Freight transport by motor vehicles	148942	9.90
36	Other non-scheduled passenger land transport	121078	13.94
37	Freight transport other than by motor vehicles	68360	10.23
38	water Transport	0	0.00
39	Financial excl insurance and pension	115025	27.16
40	Other financial activities	166524	23.07
41	Storage and Ware Housing	816943	13.19
42	Supporting & Auxiliary transport activities	424831	11.16
43	Postal services	0	0.00
44	Courier activities	432513	16.49
45	Cable operator	401632	16.40
46	Other communication	47717	12.14
47	Real Estate	82285	12.24
48	Renting of Machinery	204919	8.45
49	Computer relating services	681073	64.34
50	Legal services	232509	12.92
51	Accounting+Book-Keeping	416170	16.73
52	Research Dev.	258783	12.17
53	Education	82188	18.96
54	Coaching centre	587213	20.11
55	Medical and Health	584381	23.85
56	Sanitary Services	126685	16.27
57	Membership Organisations	306517	25.15
58	Recreation & Entertainment	226092	15.26
59	Washing & cleaning of Textiles	111123	11.71
60	Hair dressing + beauty treatment	161199	11.66
61	Custom Tailoring	70105	5.73
62	Funeral related + other services	99500	7.81
63	Pvt. Household with employed person	0	0.00
All		265972	10.42

Table-46(R+U)CC: Compilation Category wise GVA per enterprise and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per enterprise	RSE
01	Cotton ginning+ cleaning and bailing	12786	1.57
02	Meat+fish+fruits+vegetables+oils	240909	7.98
03	Dairy products	143392	35.16
04	Grain mill products	112802	7.11
05	Other food products	189996	9.57
06	Beverages	320370	12.93
07	Tobacco products	14736	9.89
08	Spinning+ weaving+finishing of textiles	68761	9.81
09	Wearing apparel	78313	21.94
10	Leather & fur products	220989	27.11
11	Wood and wood products	263830	27.35
12	Furniture	343346	6.36
13	Paper and printing +publishing	295627	9.94
14	Rubber+ plastic+petroleum products etc.	287533	17.24
15	Pharmaceuticals+chemical and chemical products	405459	21.13
16	Non-metallic products	534082	10.22
17	Basic metals(Ferrous)	235631	31.41
18	Basic metals(Non-Ferrous)	1202480	2.46
19	Recycling	216568	14.59
20	Fabricated metal products+repair(nondomestic)	251032	4.71
21	Computer+electronics+optical+repair(nondomestic)	465382	20.37
22	Electrical machinery+repair(nondomestic)	180301	18.44
23	Machinery nec+repair(nondomestic)	591519	28.06
24	Transport equipment+repair(nondomestic)	794171	36.16
25	Other manufacturing+repair	170953	11.44
26	Repair of motor vehicles and motor cycles	215808	5.82
27	Sale of motor vehicles	486248	23.90
28	Whole sale trade + Auctioning activities	510220	11.11
29	Repair of personal and household goods	110170	6.98
30	Retail trade (except motor vehicle)	223425	14.20
31	Hotels; Camping sites etc.	1077809	19.69

Sl.No.	Compilation Category	GVA per enterprise	RSE
32	Restaurant+bars+canteen	217828	4.41
33	Scheduled passenger land transport	176324	41.13
34	Non-sch passenger transport by motor vehicles	101631	2.03
35	Freight transport by motor vehicles	170516	6.02
36	Other non-scheduled passenger land transport	105577	9.72
37	Freight transport other than by motor vehicles	61947	28.72
38	water Transport	73953	1.68
39	Financial excl insurance and pension	53519	15.20
40	Other financial activities	129423	13.61
41	Storage and Ware Housing	427164	25.23
42	Supporting & Auxiliary transport activities	294081	13.09
43	Postal services	0	0.00
44	Courier activities	329815	20.37
45	Cable operator	292049	10.58
46	Other communication	69003	17.94
47	Real Estate	81193	11.33
48	Renting of Machinery	154921	6.13
49	Computer relating services	429320	49.89
50	Legal services	229620	11.31
51	Accounting+Book-Keeping	385113	13.36
52	Research Dev.	223302	8.98
53	Education	66632	11.70
54	Coaching centre	427973	14.27
55	Medical and Health	486123	16.79
56	Sanitary Services	115611	15.11
57	Membership Organisations	252661	31.23
58	Recreation & Entertainment	151744	14.77
59	Washing & cleaning of Textiles	90917	7.34
60	Hair dressing + beauty treatment	126197	6.41
61	Custom Tailoring	53591	3.48
62	Funeral related + other services	84360	6.65
63	Pvt. Household with employed person	0	0.00
All		181899	5.94

Table-50(R)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	18600	0
02	Meat+fish+fruits+vegetables+oils	81585	11.17
03	Dairy products	48143	1.65
04	Grain mill products	47973	16.24
05	Other food products	42236	12.34
06	Beverages	72009	12.97
07	Tobacco products	12682	11.67
08	Spinning+ weaving+finishing of textiles	28749	8.21
09	Wearing apparel	53722	4.47
10	Leather & fur products	19070	16.44
11	Wood and wood products	39654	16.49
12	Furniture	115559	6.7
13	Paper and printing +publishing	55910	19.6
14	Rubber+ plastic+petroleum products etc.	71572	15.15
15	Pharmaceuticals+chemical and chemical products	28631	23.32
16	Non-metallic products	108944	20.05
17	Basic metals(Ferrous)	45967	26.93
18	Basic metals(Non-Ferrous)	45204	0
19	Recycling	62400	0
20	Fabricated metal products+repair(nondomestic)	80362	11.85
21	Computer+electronics+optical+repair(nondomestic)	46507	0
22	Electrical machinery+repair(nondomestic)	79699	18.44
23	Machinery nec+repair(nondomestic)	64498	11.92
24	Transport equipment+repair(nondomestic)	96164	6.38
25	Other manufacturing+repair	48179	10.54
26	Repair of motor vehicles and motor cycles	106607	7.25
27	Sale of motor vehicles	151356	16.16
28	Whole sale trade + Auctioning activities	134053	10.15
29	Repair of personal and household goods	80925	4.47
30	Retail trade (except motor vehicle)	86465	2.43
31	Hotels; Camping sites etc.	22394	86.73

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	66042	4.72
33	Scheduled passenger land transport	93156	2.07
34	Non-sch passenger transport by motor vehicles	90112	1.81
35	Freight transport by motor vehicles	142108	9.23
36	Other non-scheduled passenger land transport	88239	7.51
37	Freight transport other than by motor vehicles	34678	0
38	water Transport	15936	0
39	Financial excl insurance and pension	3383	8.78
40	Other financial activities	95460	7.73
41	Storage and Ware Housing	0	0
42	Supporting & Auxiliary transport activities	63058	17.67
43	Postal services	0	0
44	Courier activities	0	0
45	Cable operator	34959	37.5
46	Other communication	56180	26.35
47	Real Estate	70213	20.17
48	Renting of Machinery	53958	11.48
49	Computer relating services	88214	13.54
50	Legal services	135551	14.68
51	Accounting+Book-Keeping	212705	5.61
52	Research Dev.	150073	23.92
53	Education	22920	11.82
54	Coaching centre	61841	22.45
55	Medical and Health	232885	29.94
56	Sanitary Services	55628	4.32
57	Membership Organisations	143361	62.53
58	Recreation & Entertainment	16732	47.01
59	Washing & cleaning of Textiles	45431	9.05
60	Hair dressing + beauty treatment	78253	5.53
61	Custom Tailoring	33365	3.65
62	Funeral related + other services	54391	15.57
63	Pvt. Household with employed person	0	0
All		52688	3.53

Table-50(U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	12540	0
02	Meat+fish+fruits+vegetables+oils	70767	10.2
03	Dairy products	25444	0.68
04	Grain mill products	66579	14.83
05	Other food products	46329	9.18
06	Beverages	119264	13.05
07	Tobacco products	20045	7.13
08	Spinning+ weaving+finishing of textiles	27172	8.24
09	Wearing apparel	46364	8.63
10	Leather & fur products	91808	16.58
11	Wood and wood products	52817	54.58
12	Furniture	139553	5.92
13	Paper and printing +publishing	58469	12.91
14	Rubber+ plastic+petroleum products etc.	67645	14.71
15	Pharmaceuticals+chemical and chemical products	9712	100.69
16	Non-metallic products	56679	15.42
17	Basic metals(Ferrous)	23976	0
18	Basic metals(Non-Ferrous)	1254408	0
19	Recycling	98340	0
20	Fabricated metal products+repair(nondomestic)	88857	9.13
21	Computer+electronics+optical+repair(nondomestic)	135504	0
22	Electrical machinery+repair(nondomestic)	101201	16.46
23	Machinery nec+repair(nondomestic)	82563	5.25
24	Transport equipment+repair(nondomestic)	22183	24.05
25	Other manufacturing+repair	83837	17.04
26	Repair of motor vehicles and motor cycles	92753	5.95
27	Sale of motor vehicles	175362	16.35
28	Whole sale trade + Auctioning activities	168598	15.05
29	Repair of personal and household goods	89045	5.82
30	Retail trade (except motor vehicle)	106825	5.69
31	Hotels; Camping sites etc.	182272	27.99

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	72131	5.64
33	Scheduled passenger land transport	110568	0.46
34	Non-sch passenger transport by motor vehicles	98240	2.15
35	Freight transport by motor vehicles	109089	6.57
36	Other non-scheduled passenger land transport	92242	12.27
37	Freight transport other than by motor vehicles	68360	10.23
38	water Transport	0	0
39	Financial excl insurance and pension	4564	15.52
40	Other financial activities	143854	30.92
41	Storage and Ware Housing	0	0
42	Supporting & Auxiliary transport activities	92788	11.26
43	Postal services	0	0
44	Courier activities	0	0
45	Cable operator	143497	1.77
46	Other communication	33360	12.2
47	Real Estate	65946	11.05
48	Renting of Machinery	72212	7.41
49	Computer relating services	101416	13.83
50	Legal services	158602	3.74
51	Accounting+Book-Keeping	140338	24.6
52	Research Dev.	113386	8.79
53	Education	32236	6.18
54	Coaching centre	49056	21.24
55	Medical and Health	157233	10.37
56	Sanitary Services	72246	16.64
57	Membership Organisations	6441	69.2
58	Recreation & Entertainment	50819	31.84
59	Washing & cleaning of Textiles	46764	12.89
60	Hair dressing + beauty treatment	110382	18.35
61	Custom Tailoring	35680	5.03
62	Funeral related + other services	84287	8.95
63	Pvt. Household with employed person	0	0
All		66666	3.75

Table-50(R+U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	12786	1.57
02	Meat+fish+fruits+vegetables+oils	78391	8.74
03	Dairy products	43030	4.92
04	Grain mill products	52449	13.06
05	Other food products	43474	9.65
06	Beverages	88948	12.55
07	Tobacco products	14026	9.64
08	Spinning+ weaving+finishing of textiles	28016	6.71
09	Wearing apparel	51266	4.65
10	Leather & fur products	25968	23.62
11	Wood and wood products	41326	16.67
12	Furniture	120891	5.36
13	Paper and printing +publishing	56713	14.09
14	Rubber+ plastic+petroleum products etc.	70641	16.28
15	Pharmaceuticals+chemical and chemical products	15145	31.16
16	Non-metallic products	91580	24.15
17	Basic metals(Ferrous)	45243	26.77
18	Basic metals(Non-Ferrous)	997547	0.00
19	Recycling	93961	6.19
20	Fabricated metal products+repair(nondomestic)	82216	9.49
21	Computer+electronics+optical+repair(nondomestic)	77147	13.18
22	Electrical machinery+repair(nondomestic)	84074	10.30
23	Machinery nec+repair(nondomestic)	68225	9.84
24	Transport equipment+repair(nondomestic)	63049	11.74
25	Other manufacturing+repair	67601	12.83
26	Repair of motor vehicles and motor cycles	100839	5.07
27	Sale of motor vehicles	161827	12.45
28	Whole sale trade + Auctioning activities	148212	10.04
29	Repair of personal and household goods	84068	3.64
30	Retail trade (except motor vehicle)	92661	2.61
31	Hotels; Camping sites etc.	57918	68.89

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	67746	3.69
33	Scheduled passenger land transport	96611	2.00
34	Non-sch passenger transport by motor vehicles	92758	1.46
35	Freight transport by motor vehicles	131775	7.90
36	Other non-scheduled passenger land transport	90431	7.04
37	Freight transport other than by motor vehicles	60270	29.72
38	water Transport	15936	0.00
39	Financial excl insurance and pension	3684	7.82
40	Other financial activities	113844	16.73
41	Storage and Ware Housing	0	0.00
42	Supporting & Auxiliary transport activities	75216	11.45
43	Postal services	0	0.00
44	Courier activities	0	0.00
45	Cable operator	61979	29.30
46	Other communication	42894	20.29
47	Real Estate	68325	12.15
48	Renting of Machinery	58546	8.12
49	Computer relating services	93956	9.79
50	Legal services	152326	12.21
51	Accounting+Book-Keeping	151328	21.87
52	Research Dev.	132004	16.86
53	Education	27263	6.92
54	Coaching centre	56844	16.50
55	Medical and Health	194938	16.60
56	Sanitary Services	68058	15.22
57	Membership Organisations	46114	82.83
58	Recreation & Entertainment	27891	28.10
59	Washing & cleaning of Textiles	45999	6.95
60	Hair dressing + beauty treatment	88931	8.64
61	Custom Tailoring	33989	2.97
62	Funeral related + other services	66114	10.66
63	Pvt. Household with employed person	0	0.00
All		56991	2.67

Table-50(R)CC: Compilation Category wise GVA per worker and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	0	0
02	Meat+fish+fruits+vegetables+oils	91397	9.5
03	Dairy products	254010	0
04	Grain mill products	71694	8.67
05	Other food products	86496	10.33
06	Beverages	131260	11.93
07	Tobacco products	56793	8.51
08	Spinning+ weaving+finishing of textiles	59927	7.94
09	Wearing apparel	67623	15.21
10	Leather & fur products	54700	19.39
11	Wood and wood products	121947	5.74
12	Furniture	116875	3.47
13	Paper and printing +publishing	79578	6.72
14	Rubber+ plastic+petroleum products etc.	103248	8.42
15	Pharmaceuticals+chemical and chemical products	124350	13.39
16	Non-metallic products	126518	6.63
17	Basic metals(Ferrous)	196561	10.76
18	Basic metals(Non-Ferrous)	94416	0
19	Recycling	58744	28.08
20	Febricated metal products+repair(nondomestic)	108181	3
21	Computer+electronics+optical+repair(nondomestic)	76254	7.32
22	Electrical machinery+repair(nondomestic)	92703	9.69
23	Machinery nec+repair(nondomestic)	119840	33.83
24	Transport equipment+repair(nondomestic)	100950	35.08
25	Other manufacturing+repair	85071	6.65
26	Repair of motor vehicles and motor cycles	102734	4.09
27	Sale of motor vehicles	195933	22.34
28	Whole sale trade + Auctioning activities	127664	17.19
29	Repair of personal and household goods	88574	9.75
30	Retail trade (except motor vehicle)	167337	24.58
31	Hotels; Camping sites etc.	128911	23.04

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	104203	5.18
33	Scheduled passenger land transport	185160	21.57
34	Non-sch passenger transport by motor vehicles	104247	10.07
35	Freight transport by motor vehicles	133913	5.22
36	Other non-scheduled passenger land transport	15270	0
37	Freight transport other than by motor vehicles	59220	0
38	water Transport	52135	7.45
39	Financial excl insurance and pension	92464	12.57
40	Other financial activities	100288	6.54
41	Storage and Ware Housing	11202	0
42	Supporting & Auxiliary transport activities	119485	17.3
43	Postal services	0	0
44	Courier activities	54176	5.43
45	Cable operator	86787	6.52
46	Other communication	75784	10.58
47	Real Estate	99904	15.78
48	Renting of Machinery	75269	7.97
49	Computer relating services	81997	14.3
50	Legal services	100244	7.89
51	Accounting+Book-Keeping	107212	4.01
52	Research Dev.	73644	6.73
53	Education	34967	10.47
54	Coaching centre	71238	9.65
55	Medical and Health	138295	11.36
56	Sanitary Services	101765	7.35
57	Membership Organisations	59494	64.69
58	Recreation & Entertainment	45269	10.78
59	Washing & cleaning of Textiles	75863	8.9
60	Hair dressing + beauty treatment	78529	3.95
61	Custom Tailoring	60360	5.23
62	Funeral related + other services	57584	26.42
63	Pvt. Household with employed person	0	0
All		111133	8.14

Table-50(U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	0	0
02	Meat+fish+fruits+vegetables+oils	115662	8.47
03	Dairy products	123282	0
04	Grain mill products	83149	7.01
05	Other food products	82487	8.25
06	Beverages	123057	10.24
07	Tobacco products	46200	0
08	Spinning+ weaving+finishing of textiles	70551	8.13
09	Wearing apparel	63997	11.46
10	Leather & fur products	109146	24.51
11	Wood and wood products	167932	20.52
12	Furniture	125783	8.36
13	Paper and printing +publishing	96418	7.45
14	Rubber+ plastic+petroleum products etc.	88605	9.01
15	Pharmaceuticals+chemical and chemical products	83631	38.44
16	Non-metallic products	140976	12.73
17	Basic metals(Ferrous)	103188	7.47
18	Basic metals(Non-Ferrous)	109547	0
19	Recycling	71300	0
20	Fabricated metal products+repair(nondomestic)	110007	5.19
21	Computer+electronics+optical+repair(nondomestic)	136235	7.95
22	Electrical machinery+repair(nondomestic)	137725	11.78
23	Machinery nec+repair(nondomestic)	183830	8.06
24	Transport equipment+repair(nondomestic)	171297	6.63
25	Other manufacturing+repair	123533	4.65
26	Repair of motor vehicles and motor cycles	102523	3.01
27	Sale of motor vehicles	203199	40.97
28	Whole sale trade + Auctioning activities	226055	6.6
29	Repair of personal and household goods	94668	7.99
30	Retail trade (except motor vehicle)	140463	17.94
31	Hotels; Camping sites etc.	228767	16.32

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	116075	5.52
33	Scheduled passenger land transport	177071	5.13
34	Non-sch passenger transport by motor vehicles	129225	6.71
35	Freight transport by motor vehicles	122169	11.26
36	Other non-scheduled passenger land transport	196153	3.35
37	Freight transport other than by motor vehicles	0	0
38	water Transport	0	0
39	Financial excl insurance and pension	227641	29.14
40	Other financial activities	115929	8.29
41	Storage and Ware Housing	86052	27.57
42	Supporting & Auxiliary transport activities	119885	3.47
43	Postal services	0	0
44	Courier activities	105529	18.47
45	Cable operator	117913	10.21
46	Other communication	43915	16.41
47	Real Estate	128121	38.89
48	Renting of Machinery	102678	10.42
49	Computer relating services	258823	61.48
50	Legal services	104144	15.83
51	Accounting+Book-Keeping	102983	15.14
52	Research Dev.	107352	7.88
53	Education	77306	14.82
54	Coaching centre	100915	9.8
55	Medical and Health	245415	20.8
56	Sanitary Services	72087	3.01
57	Membership Organisations	88417	12.2
58	Recreation & Entertainment	67112	22.86
59	Washing & cleaning of Textiles	73659	12.37
60	Hair dressing + beauty treatment	93616	5.4
61	Custom Tailoring	66260	5.55
62	Funeral related + other services	93415	12.13
63	Pvt. Household with employed person	0	0
All		135407	7.25

Table-50(R+U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	0	0.00
02	Meat+fish+fruits+vegetables+oils	98467	6.46
03	Dairy products	251061	0.00
04	Grain mill products	75838	5.86
05	Other food products	84921	8.46
06	Beverages	129308	9.51
07	Tobacco products	55986	8.63
08	Spinning+ weaving+finishing of textiles	64277	7.12
09	Wearing apparel	66383	12.58
10	Leather & fur products	83424	19.00
11	Wood and wood products	141313	13.41
12	Furniture	120419	4.19
13	Paper and printing +publishing	89596	5.22
14	Rubber+ plastic+petroleum products etc.	99813	6.89
15	Pharmaceuticals+chemical and chemical products	110787	11.95
16	Non-metallic products	131336	6.25
17	Basic metals(Ferrous)	143430	13.22
18	Basic metals(Non-Ferrous)	109392	0.08
19	Recycling	59524	24.83
20	Fabricated metal products+repair(nondomestic)	108925	2.64
21	Computer+electronics+optical+repair(nondomestic)	118819	11.64
22	Electrical machinery+repair(nondomestic)	117406	8.33
23	Machinery nec+repair(nondomestic)	163317	12.79
24	Transport equipment+repair(nondomestic)	155296	6.54
25	Other manufacturing+repair	110027	4.64
26	Repair of motor vehicles and motor cycles	102637	2.63
27	Sale of motor vehicles	200144	26.09
28	Whole sale trade + Auctioning activities	190660	7.37
29	Repair of personal and household goods	91742	5.99
30	Retail trade (except motor vehicle)	148831	15.37
31	Hotels; Camping sites etc.	195961	15.06

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	110339	3.79
33	Scheduled passenger land transport	182926	19.11
34	Non-sch passenger transport by motor vehicles	111504	7.15
35	Freight transport by motor vehicles	130692	5.54
36	Other non-scheduled passenger land transport	151463	16.46
37	Freight transport other than by motor vehicles	59220	0.00
38	water Transport	52135	7.45
39	Financial excl insurance and pension	151107	19.62
40	Other financial activities	109262	6.40
41	Storage and Ware Housing	73428	32.31
42	Supporting & Auxiliary transport activities	119816	4.06
43	Postal services	0	0.00
44	Courier activities	82921	12.18
45	Cable operator	96291	7.18
46	Other communication	63624	13.23
47	Real Estate	112053	22.52
48	Renting of Machinery	85799	6.82
49	Computer relating services	215912	55.11
50	Legal services	103925	13.97
51	Accounting+Book-Keeping	103510	10.49
52	Research Dev.	94226	8.05
53	Education	51532	11.34
54	Coaching centre	88070	7.95
55	Medical and Health	195858	15.50
56	Sanitary Services	87247	6.33
57	Membership Organisations	78320	27.70
58	Recreation & Entertainment	58641	15.69
59	Washing & cleaning of Textiles	74149	9.05
60	Hair dressing + beauty treatment	87065	3.82
61	Custom Tailoring	63288	3.68
62	Funeral related + other services	74961	16.31
63	Pvt. Household with employed person	0	0.00
All		124728	5.29

Table-50(R)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	18600	0
02	Meat+fish+fruits+vegetables+oils	88591	6.95
03	Dairy products	124887	10.97
04	Grain mill products	55836	11.71
05	Other food products	64271	10.61
06	Beverages	118614	10.94
07	Tobacco products	13318	11.35
08	Spinning+ weaving+finishing of textiles	41878	7.66
09	Wearing apparel	58264	14.23
10	Leather & fur products	36302	20.29
11	Wood and wood products	87415	8.22
12	Furniture	116625	2.93
13	Paper and printing +publishing	74911	7.19
14	Rubber+ plastic+petroleum products etc.	97311	8.21
15	Pharmaceuticals+chemical and chemical products	107572	13.29
16	Non-metallic products	124657	7.07
17	Basic metals(Ferrous)	121083	24.1
18	Basic metals(Non-Ferrous)	80131	0
19	Recycling	58787	27.35
20	Febricated metal products+repair(nondomestic)	100642	3.91
21	Computer+electronics+optical+repair(nondomestic)	73011	11.2
22	Electrical machinery+repair(nondomestic)	84971	10.24
23	Machinery nec+repair(nondomestic)	109753	31.34
24	Transport equipment+repair(nondomestic)	100215	35.34
25	Other manufacturing+repair	66724	6.62
26	Repair of motor vehicles and motor cycles	103878	3.87
27	Sale of motor vehicles	183753	18.31
28	Whole sale trade + Auctioning activities	129704	11.57
29	Repair of personal and household goods	82866	4.78
30	Retail trade (except motor vehicle)	112651	12.55
31	Hotels; Camping sites etc.	112959	22.22

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	84500	3.98
33	Scheduled passenger land transport	122379	8.54
34	Non-sch passenger transport by motor vehicles	91512	2.05
35	Freight transport by motor vehicles	139433	7.66
36	Other non-scheduled passenger land transport	82963	9.96
37	Freight transport other than by motor vehicles	39542	13.39
38	water Transport	41779	3.5
39	Financial excl insurance and pension	5544	8.36
40	Other financial activities	96073	6.75
41	Storage and Ware Housing	11202	0
42	Supporting & Auxiliary transport activities	95720	14.05
43	Postal services	0	0
44	Courier activities	54176	5.43
45	Cable operator	77255	16.51
46	Other communication	64539	20.86
47	Real Estate	73341	18.86
48	Renting of Machinery	66142	6.8
49	Computer relating services	84729	9.45
50	Legal services	108032	7.76
51	Accounting+Book-Keeping	121170	9.7
52	Research Dev.	98650	16.62
53	Education	28987	7.37
54	Coaching centre	69978	9.49
55	Medical and Health	163147	14.01
56	Sanitary Services	74941	11.21
57	Membership Organisations	83127	61.77
58	Recreation & Entertainment	29415	15.45
59	Washing & cleaning of Textiles	48549	8.46
60	Hair dressing + beauty treatment	78339	3.98
61	Custom Tailoring	38811	3.52
62	Funeral related + other services	54654	14.39
63	Pvt. Household with employed person	0	0
All		72873	4.71

Table-50(U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	12540	0
02	Meat+fish+fruits+vegetables+oils	102649	7.17
03	Dairy products	29851	7.65
04	Grain mill products	74368	8.71
05	Other food products	67914	8.17
06	Beverages	121817	7.6
07	Tobacco products	20185	7.21
08	Spinning+ weaving+finishing of textiles	43105	5.2
09	Wearing apparel	52270	9.85
10	Leather & fur products	107568	21.84
11	Wood and wood products	153389	21.21
12	Furniture	127048	7.69
13	Paper and printing +publishing	93721	6.94
14	Rubber+ plastic+petroleum products etc.	84629	8.45
15	Pharmaceuticals+chemical and chemical products	45657	32.03
16	Non-metallic products	132088	12.58
17	Basic metals(Ferrous)	101186	7.41
18	Basic metals(Non-Ferrous)	127257	7.75
19	Recycling	86627	9.53
20	Febricated metal products+repair(nondomestic)	107234	4.68
21	Computer+electronics+optical+repair(nondomestic)	136216	7.69
22	Electrical machinery+repair(nondomestic)	129120	10.35
23	Machinery nec+repair(nondomestic)	181135	8.32
24	Transport equipment+repair(nondomestic)	165113	7.06
25	Other manufacturing+repair	108036	7.35
26	Repair of motor vehicles and motor cycles	99994	2.61
27	Sale of motor vehicles	198349	35.29
28	Whole sale trade + Auctioning activities	217165	6.41
29	Repair of personal and household goods	91116	5.34
30	Retail trade (except motor vehicle)	130629	14.15
31	Hotels; Camping sites etc.	227650	15.82

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	103795	5.06
33	Scheduled passenger land transport	138343	6.08
34	Non-sch passenger transport by motor vehicles	100885	1.97
35	Freight transport by motor vehicles	112841	5.8
36	Other non-scheduled passenger land transport	109283	10.81
37	Freight transport other than by motor vehicles	68360	10.23
38	water Transport	0	0
39	Financial excl insurance and pension	16358	24.53
40	Other financial activities	137093	25.39
41	Storage and Ware Housing	86052	27.57
42	Supporting & Auxiliary transport activities	117304	3.41
43	Postal services	0	0
44	Courier activities	105529	18.47
45	Cable operator	121630	9.02
46	Other communication	35973	11.54
47	Real Estate	72216	9.13
48	Renting of Machinery	93924	8.34
49	Computer relating services	233312	59.27
50	Legal services	106483	13.31
51	Accounting+Book-Keeping	107021	13.25
52	Research Dev.	108748	5.94
53	Education	51501	9.99
54	Coaching centre	97261	10.29
55	Medical and Health	224611	17.89
56	Sanitary Services	72216	14.45
57	Membership Organisations	60523	17.9
58	Recreation & Entertainment	62580	18.98
59	Washing & cleaning of Textiles	56173	11.78
60	Hair dressing + beauty treatment	101312	9.45
61	Custom Tailoring	47994	3.08
62	Funeral related + other services	85346	7.95
63	Pvt. Household with employed person	0	0
All		108021	4.83

Table-50(R+U)CC: Compilation Category wise GVA per worker and RSE for pooled sample (OAE+EST)

Sl.No.	Compilation Category	GVA per worker	RSE
01	Cotton ginning+ cleaning and bailing	12786	1.57
02	Meat+fish+fruits+vegetables+oils	92702	5.04
03	Dairy products	109649	12.62
04	Grain mill products	61128	8.95
05	Other food products	65548	8.27
06	Beverages	119470	8.20
07	Tobacco products	14563	9.55
08	Spinning+ weaving+finishing of textiles	42422	5.40
09	Wearing apparel	56246	7.63
10	Leather & fur products	62863	24.78
11	Wood and wood products	108911	14.59
12	Furniture	120491	3.72
13	Paper and printing +publishing	85431	5.07
14	Rubber+ plastic+petroleum products etc.	94330	6.78
15	Pharmaceuticals+chemical and chemical products	79179	19.46
16	Non-metallic products	127133	6.29
17	Basic metals(Ferrous)	113060	16.84
18	Basic metals(Non-Ferrous)	126590	7.64
19	Recycling	62440	23.10
20	Febricated metal products+repair(nondomestic)	103054	2.96
21	Computer+electronics+optical+repair(nondomestic)	116676	11.56
22	Electrical machinery+repair(nondomestic)	102278	6.81
23	Machinery nec+repair(nondomestic)	155463	13.05
24	Transport equipment+repair(nondomestic)	148887	6.88
25	Other manufacturing+repair	91667	6.36
26	Repair of motor vehicles and motor cycles	102135	2.44
27	Sale of motor vehicles	191754	21.67
28	Whole sale trade + Auctioning activities	181222	6.89
29	Repair of personal and household goods	86390	3.65
30	Retail trade (except motor vehicle)	121694	9.57
31	Hotels; Camping sites etc.	186402	14.89

Sl.No.	Compilation Category	GVA per worker	RSE
32	Restaurant+bars+canteen	92564	3.12
33	Scheduled passenger land transport	125969	6.84
34	Non-sch passenger transport by motor vehicles	94532	1.54
35	Freight transport by motor vehicles	131434	6.26
36	Other non-scheduled passenger land transport	98052	8.02
37	Freight transport other than by motor vehicles	60211	29.45
38	water Transport	41779	3.50
39	Financial excl insurance and pension	8357	13.81
40	Other financial activities	113044	13.84
41	Storage and Ware Housing	73428	32.31
42	Supporting & Auxiliary transport activities	111985	4.38
43	Postal services	0	0.00
44	Courier activities	82921	12.18
45	Cable operator	90373	12.33
46	Other communication	49824	15.28
47	Real Estate	72844	11.07
48	Renting of Machinery	75407	5.60
49	Computer relating services	185186	47.04
50	Legal services	106589	11.94
51	Accounting+Book-Keeping	108827	9.59
52	Research Dev.	104492	8.65
53	Education	38688	7.55
54	Coaching centre	84975	8.00
55	Medical and Health	195629	12.60
56	Sanitary Services	73087	10.31
57	Membership Organisations	67983	32.82
58	Recreation & Entertainment	45762	14.00
59	Washing & cleaning of Textiles	52409	6.75
60	Hair dressing + beauty treatment	88168	5.27
61	Custom Tailoring	41846	2.51
62	Funeral related + other services	66963	9.68
63	Pvt. Household with employed person	0	0.00
All		87714	3.48

Table-38a(R): District wise estimated number of enterprises and their RSEs for pooled sample

Kerala

Rural

District	Estimated Number of enterprises	RSE of Estimated enterprises	Number of sample enterprises
Kasaragod	76033	12.11	1530
Kannur	45739	8.87	2684
Wayanad	30861	16.4	1305
Kozhikode	56842	10.55	3012
Malappuram	124922	9.75	3409
Palakkad	109633	5.14	2842
Thrissur	113739	4.59	3665
Eranakulam	82752	6.43	3987
Idukki	45432	12.14	1225
kottayam	96930	11.39	2290
Alappuzha	89113	10.48	2845
Pathanamthitta	28472	6.21	1475
Kollam	91713	7.82	2823
Thiruvananthapuram	100901	6.4	4245
All	1093081	2.48	37337

Table-38a(U): District wise estimated number of enterprises and their RSEs for pooled sample

Kerala

Urban

District	Estimated Number of enterprises	RSE of Estimated enterprises	Number of sample enterprises
Kasaragod	17189	7.52	610
Kannur	59494	3.4	1464
Wayanad	2503	22.22	478
Kozhikode	73085	10.46	1670
Malappuram	45084	24.77	497
Palakkad	22647	19.44	873
Thrissur	68415	4.53	1395
Eranakulam	113312	8.08	2254
Idukki	6211	34.1	295
kottayam	23106	5.35	729
Alappuzha	56950	12.88	1327
Pathanamthitta	6073	12.31	409
Kollam	18395	6.24	638
Thiruvananthapuram	90805	8.47	2072
All	603270	3.41	14711

Table-38a(R+U): District wise estimated number of enterprises and their RSEs for pooled sample

Kerala

Rural+Urban

District	Estimated Number of enterprises	RSE of Estimated enterprises	Number of sample enterprises
Kasaragod	93221	9.97	1530
Kannur	105233	4.31	2684
Wayanad	33364	15.26	1305
Kozhikode	129927	7.48	3012
Malappuram	170006	9.72	3409
Palakkad	132280	5.40	2842
Thrissur	182154	3.33	3665
Eranakulam	196064	5.41	3987
Idukki	51644	11.44	1225
kottayam	120036	9.26	2290
Alappuzha	146063	8.13	2845
Pathanamthitta	34545	5.55	1475
Kollam	110108	6.60	2823
Thiruvananthapuram	191706	5.24	4245
All	1696351	2.01	37337

Table-38b(R): District wise estimated no of workers and their RSE for pooled sample (OAE+EST)**State :Kerala****Rural**

District	Estimated Number of workers	RSE of Estimated workers
Kasaragod	99515	13.64
Kannur	84639	10.38
Wayanad	95394	16.26
Kozhikode	114701	12.53
Malappuram	219154	11.01
Palakkad	167841	5.96
Thrissur	224292	6.32
Eranakulam	179837	6.8
Idukki	123439	16.13
kottayam	165073	10.99
Alappuzha	174246	11.65
Pathanamthitta	44971	8.68
Kollam	154100	8.85
Thiruvananthapuram	185264	11.12
All	2032465	2.91

Table-38b(U): District wise estimated no of workers and their RSE for pooled sample (OAE+EST)**State :Kerala****Urban**

District	Estimated Number of workers	RSE of Estimated workers
Kasaragod	26676	11.96
Kannur	124283	6.02
Wayanad	7419	22.28
Kozhikode	171130	13.47
Malappuram	94572	30.34
Palakkad	48465	24.75
Thrissur	169052	14.14
Eranakulam	268191	11.78
Idukki	14265	45.35
kottayam	49309	6.82
Alappuzha	249437	54.95
Pathanamthitta	18074	14.88
Kollam	33367	12.41
Thiruvananthapuram	211149	14.32
All	1485391	10.19

Table-38b(R+U): District wise estimated no of workers and their RSE for pooled sample (OAE+EST)**State :Kerala****Rural + Urban**

District	Estimated Number of workers	RSE of Estimated workers
Kasaragod	126191	11.05
Kannur	208922	5.52
Wayanad	102813	15.17
Kozhikode	285831	9.51
Malappuram	313726	11.95
Palakkad	216306	7.22
Thrissur	393345	7.07
Eranakulam	448028	7.56
Idukki	137704	15.20
kottayam	214382	8.60
Alappuzha	423683	32.70
Pathanamthitta	63046	7.52
Kollam	187468	7.60
Thiruvananthapuram	396413	9.23
All	3517857	4.62

Table-40a(R): District wise estimate of Emoluments per hired worker for pooled sample(OAE+EST)**State :Kerala****Rural**

District	Manufacturing	Trade	Service
Kasaragod	57224	49491	51761
Kannur	62629	55153	51390
Wayanad	47484	62581	67476
Kozhikode	71630	63509	50220
Malappuram	62933	60710	53608
Palakkad	55238	54964	52238
Thrissur	62934	53708	54570
Eranakulam	67295	64741	101538
Idukki	68193	51022	71321
kottayam	64709	54040	70461
Alappuzha	64863	49750	48686
Pathanamthitta	74012	67209	47536
Kollam	65544	63485	57714
Thiruvananthapuram	65664	51985	43674
All	63404	57949	59622

Table-40a(U): District wise estimate of Emoluments per hired worker for pooled sample(OAE+EST)**State :Kerala****Urban**

District	Manufacturing	Trade	Service
Kasaragod	59831	52124	47928
Kannur	62520	63313	62986
Wayanad	63348	67789	84223
Kozhikode	61109	75670	68909
Malappuram	54083	54127	55135
Palakkad	66580	67343	56282
Thrissur	78406	80518	111247
Eranakulam	63792	65145	69904
Idukki	77208	73982	73629
kottayam	71817	65107	65140
Alappuzha	70250	50643	64564
Pathanamthitta	71759	55938	55063
Kollam	59402	64778	42489
Thiruvananthapuram	72082	66573	76642
All	67430	59428	72093

Table-40a(R+U): District wise estimate of Emoluments per hired worker for pooled sample (OAE+EST)

State :Kerala

Rural+Urban

District	Manufacturing	Trade	Service
Kasaragod	57680	50272	50749
Kannur	62554	60573	59282
Wayanad	48235	63493	70456
Kozhikode	63721	73676	64013
Malappuram	61601	58112	54359
Palakkad	58143	61251	54168
Thrissur	70493	71171	87951
Eranakulam	65252	65079	78204
Idukki	70919	59631	71777
kottayam	66494	59660	68943
Alappuzha	66911	50621	57543
Pathanamthitta	73652	60854	51483
Kollam	63834	63664	54821
Thiruvananthapuram	69504	60502	68769
All	65154	59031	66645

Table-50(R): District wise estimate of GVA per worker for pooled sample (OAE)**State :Kerala****Rural**

District	Manufacturing	Trade	Service
Kasaragod	16888	101899	89820
Kannur	48128	94969	48307
Wayanad	37437	114941	10325
Kozhikode	52724	88966	26695
Malappuram	66923	98526	77583
Palakkad	47624	77411	51356
Thrissur	40194	93312	35300
Eranakulam	35327	83321	36157
Idukki	37858	104058	14931
kottayam	29651	71868	47003
Alappuzha	36869	90701	46815
Pathanamthitta	67655	153444	141622
Kollam	53790	101681	68235
Thiruvananthapuram	35371	70186	34298
All	39274	90367	42141

Table-50(U): District wise estimate of GVA per worker for pooled sample (OAE)**State :Kerala****Urban**

District	Manufacturing	Trade	Service
Kasaragod	32294	102083	56457
Kannur	48347	97861	44161
Wayanad	97926	109848	30799
Kozhikode	50006	148797	42971
Malappuram	94214	92193	110992
Palakkad	39604	104140	67624
Thrissur	52123	123422	56707
Eranakulam	42126	124445	51473
Idukki	47819	215498	74855
kottayam	36023	80351	64349
Alappuzha	32042	119233	60984
Pathanamthitta	63743	152082	101549
Kollam	43990	75753	67235
Thiruvananthapuram	44081	91259	48754
All	43690	113259	54714

Table-50(R+U): District wise estimate of GVA per worker for pooled sample (OAE)**State :Kerala****Rural + Urban**

District	Manufacturing	Trade	Service
Kasaragod	19148	101938	80074
Kannur	48259	96431	44376
Wayanad	40097	114610	13549
Kozhikode	51023	118687	33897
Malappuram	69739	97123	84303
Palakkad	46941	80824	53880
Thrissur	45455	104226	47198
Eranakulam	38635	102794	42603
Idukki	38601	115842	19552
kottayam	30567	73614	55814
Alappuzha	35665	101534	42110
Pathanamthitta	67810	153269	86142
Kollam	52857	98413	70406
Thiruvananthapuram	38563	78834	39280
All	40938	97519	45933

Table-50(R): District wise estimate of GVA per worker for pooled sample (EST)**State :Kerala****Rural**

District	Manufacturing	Trade	Service
Kasaragod	79287	92992	81355
Kannur	94223	86570	80828
Wayanad	73370	112313	96739
Kozhikode	111248	267498	82056
Malappuram	96363	142199	80292
Palakkad	85336	99864	83608
Thrissur	104239	482909	84560
Eranakulam	103119	123513	133415
Idukki	106864	152397	115611
kottayam	107843	107397	99444
Alappuzha	85244	107835	85594
Pathanamthitta	125273	169107	122856
Kollam	96386	152493	92455
Thiruvananthapuram	85572	96553	72934
All	95856	155351	92101

Table-50(U): District wise estimate of GVA per worker for pooled sample (EST)**State :Kerala****Urban**

District	Manufacturing	Trade	Service
Kasaragod	88739	101570	77950
Kannur	133915	121058	115743
Wayanad	98071	299385	150609
Kozhikode	114782	310102	121912
Malappuram	95830	144248	92513
Palakkad	110907	212505	88866
Thrissur	108942	220444	214984
Eranakulam	97191	155215	117484
Idukki	148087	655739	93427
kottayam	109416	178423	102693
Alappuzha	96876	89419	116036
Pathanamthitta	109438	213353	106200
Kollam	117036	123424	73047
Thiruvananthapuram	103282	116321	148360
All	88739	152872	129172

Table-50(R+U): District wise estimate of GVA per worker for pooled sample (EST)**State :Kerala****Rural + Urban**

District	Manufacturing	Trade	Service
Kasaragod	80920	95447	80513
Kannur	121584	107357	104237
Wayanad	74672	140030	105848
Kozhikode	113852	302110	111703
Malappuram	96278	142969	86428
Palakkad	92045	156122	85999
Thrissur	106466	322694	160110
Eranakulam	99602	149932	121740
Idukki	118977	311855	111361
kottayam	108254	140370	100391
Alappuzha	89761	90203	102175
Pathanamthitta	122730	191546	114973
Kollam	101809	148581	88866
Thiruvananthapuram	95763	105983	128348
All	101386	153707	112464

Table-50(R): District wise estimate of GVA per worker for pooled sample (OAE+EST)**State :Kerala****Rural**

District	Manufacturing	Trade	Service
Kasaragod	29254	97935	86146
Kannur	69827	90910	53578
Wayanad	61781	113508	26739
Kozhikode	80701	150382	34462
Malappuram	84150	124497	78901
Palakkad	62738	83238	58069
Thrissur	69786	233910	51876
Eranakulam	68174	96693	58646
Idukki	69385	121172	32786
kottayam	65599	80280	67916
Alappuzha	60638	94512	45551
Pathanamthitta	106056	158476	100092
Kollam	77877	122196	80845
Thiruvananthapuram	53839	81883	43298
All	65253	115651	55317

Table-50(U): District wise estimate of GVA per worker for pooled sample (OAE+EST)**State :Kerala****Urban**

District	Manufacturing	Trade	Service
Kasaragod	45967	101803	65222
Kannur	99625	111342	68690
Wayanad	96835	251987	89476
Kozhikode	98407	261235	72427
Malappuram	94572	131564	97373
Palakkad	89295	180532	79665
Thrissur	88322	182487	125252
Eranakulam	78064	147058	84433
Idukki	130212	515954	85065
kottayam	85487	130291	81951
Alappuzha	63176	92011	86639
Pathanamthitta	97257	199149	105198
Kollam	94590	95873	69807
Thiruvananthapuram	75292	104064	105116
All	83217	142334	91658

Table-50(R+U): District wise estimate of GVA per worker for pooled sample (OAE+EST)**State :Kerala****Rural + Urban**

District	Manufacturing	Trade	Service
Kasaragod	31743	98889	80277
Kannur	88762	102308	62560
Wayanad	63565	129054	30783
Kozhikode	92042	225902	54614
Malappuram	85619	126768	85400
Palakkad	67267	109376	62973
Thrissur	77299	209147	82966
Eranakulam	73338	131628	73352
Idukki	80824	197724	36062
kottayam	69477	94643	70941
Alappuzha	61658	92398	59275
Pathanamthitta	104701	170713	101760
Kollam	81733	118787	78758
Thiruvananthapuram	64197	91686	79925
All	71816	129275	69673

Appendix B

Sample Design

3.1 Outline of sample design: A stratified multi-stage design has been adopted for the 67th round survey. The first stage units (FSU) are the census villages (Panchayat wards in case of Kerala) in the rural sector and Urban Frame Survey (UFS) blocks in the urban sector. The ultimate stage units (USU) are enterprises in both the sectors. In case of large FSUs, one intermediate stage of sampling is the selection of three hamlet-groups (hgs)/ sub-blocks (sbs) from each large rural/ urban FSU.

3.2 Sampling frame to be used for selection of first stage units

In Kerala, list of panchayat wards as per Census 2001 was used as frame since list of such wards is not available as per EC 2005 frame.

3.3 Stratification: Each district is a basic stratum in both rural and urban areas. However, in case of urban, each city with population of 1 million or more as per Census 2001 forms a separate stratum and all other cities/towns of a district are grouped to form another stratum.

3.4 Sub-stratification:

(i) Rural: There are three sub-strata in the rural sector:

- (1) Villages with at least 5 establishments (NDE/DE) under coverage in the manufacturing sector as per EC-2005 information;
- (2) Remaining villages having at least 5 NDE/DE under coverage in the services sector including trade as per EC-2005 information;
- (3) Remaining villages of the stratum.

For the State(s) where EC-2005 information cannot be used as auxiliary information for stratification/sub-stratification due to limitations of EC 2005 frame, each district is sub-stratified into 'r/4' sub-strata with a sample allocation of 4 per sub-stratum where 'r' is the sample allocation for the district/stratum. The sub-strata is formed by arranging the villages in terms of population so that total population of each sub-stratum is approximately the same.

(ii) Urban, Million plus cities (excluding Mumbai) :

For each stratum / million plus city, **20 sub-strata** are formed as under:

- Sub-stratum 1: Blocks with one or more establishment in insurance & pension funding;
- Sub-stratum 2: Remaining blocks with one or more establishment in storage & warehousing;
- Sub-stratum 3: Remaining blocks with one or more establishment in accommodation;
- Sub-strata 4-8: Remaining blocks with one or more establishment in broad activities of manufacturing (as per SSS formation discussed subsequently under para 3.9);
- Sub-strata 9-12: Remaining blocks with one or more establishment in broad activities of trade (as per SSS formation in para 3.9);
- Sub-strata 13-19: Remaining blocks with one or more establishment in broad activities of other services (as per SSS formation in para 3.9) excluding the activities covered under sub-strata 1-3.
- Sub-strata 20: All remaining blocks of the stratum.

(iii) Urban, Other cities and towns (including Mumbai): Two sub-strata are formed:

- Sub-stratum 1: UFS block types: Bazaar area (BA)/ Industrial area (IA)/ Hospital area/ (HA)/ Slum area (SA) which are likely to contain relatively higher number of enterprises;
- Sub-stratum 2: Remaining UFS blocks of the stratum.

If the number of FSUs in the frame of a rural or urban sub-stratum was found to be less than 8, then separate sub-stratum was not formed and it was merged with the adjacent sub-stratum.

There is only one town (Leh) in Leh district and one town (Kargil) in Kargil district of J & K. These two towns are out of UFS coverage. These are treated as sub-stratum 2 and the entire town is treated as one FSU.

3.5 Total Sample size (FSUs):

A sample of 16000 FSUs for central sample and 18248 FSUs for state sample have been allocated at all-India level. Allocations for the State/UTs and sectors for central and state samples are given in Table 1 of the Appendices.

3.6 Allocation of total sample FSUs:

(i) All-India allocation over States:

All-India sample size (FSUs) have been allocated to different State/UTs taking into account the minimum allocations required for a State/UT and the proportion of non-agricultural workers as per EC-2005 in the State/UT.

(ii) State/UT allocation over rural/urban sectors: State/UT sample sizes have been allocated to rural and urban sectors of the State/UT in proportion to number of non-agricultural workers as per EC-2005 with the constraint that urban allocation should not be too high compared to rural allocation and both rural and urban allocations were in multiples of 8.

(iii) State × sector allocation over strata: Stratum allocations of State/UT sample sizes for each sector have been made in proportion to number of non-agricultural workers as per EC-2005. For the States/UTs where census 2001 frame was used in the rural sector, allocations to strata was made in proportion to population as per census.

(iv) Stratum allocation over sub-strata: Allocations to sub-strata was made:

(a) In proportion to number of non-agricultural workers under coverage as per EC-2005 in rural sector as well as in million plus cities (after assuming the number as 1 for those villages/blocks where number of non-agricultural workers is 0);

(b) In proportion to number of blocks with a double weight to sub-stratum 1 for other than million plus cities.

Minimum allocation for a sub-stratum was 4.

3.7 Selection of FSUs:

(a) Rural & million plus cities: From each sub-stratum, required number of sample villages/blocks have been selected by probability proportional to size with replacement (PPSWR), size being the number of total non-agricultural workers under coverage in the village/block as per EC-2005.

For the State(s) where EC-2005 information cannot be used as auxiliary information for selection of FSUs due to limitations of EC 2005 frame, size for PPSWR selection have been the population of the village as per Census 2001.

(b) Urban (other than million plus cities): From each sub-stratum FSUs were selected by using Simple Random Sampling Without Replacement (SRSWOR). However, for Leh and Kargil towns, each town was selected 4 times, once in each sub-round.

Both rural and urban samples have been drawn in the form of two independent sub-samples and equal number of samples has been allocated among the four sub rounds.

3.8 Formation of segment 9 and selection of hamlet-groups/ sub-blocks

3.8.1 Formation of Segment 9: Having determined the boundaries of the sample FSU, all non-agricultural enterprises having 20 or more workers in the entire FSU and having operated at least one day during last 365 days preceding the day of survey (hereinafter to be called as ‘big enterprises’) are listed and all the *eligible units under coverage* are surveyed. All the listed big units (whether under coverage or not) constitute segment 9. All *eligible enterprises under coverage* are to be surveyed in segment 9.

3.8.2 Criterion for hamlet-group/ sub-block formation: Having constituted segment 9 as stated above, it is to be determined whether listing will be done in the whole sample FSU or not. For this, approximate present population (P) and approximate total number of non-agricultural enterprises (E) for the whole FSU is ascertained first from knowledgeable persons. Depending upon the values of ‘P’ and ‘E’, it will be divided into a suitable number (say, D) of ‘hamlet-groups’ in the rural sector and ‘sub-blocks’ in the urban sector as stated below. Final value of ‘D’ is the higher of the two values ‘P’ and ‘E’ based on the dual criteria.

Population/enterprise dual criteria			
population (P)	no. of hgs/ sbs to be formed	no. of non-agricultural enterprises (E)	no. of hgs/ sbs to be formed
less than 1200	1	less than 120	1
1200 - 1599	4	120 - 159	4
1600 - 1999	5	160 - 199	5
2000 - 2399	6	200 - 239	6
and so on	...	and so on	...

While considering enterprise criteria, segment 9 enterprises, if any, is excluded from the count of ‘E’, if possible.

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

Population/enterprise dual criteria			
population (P)	no. of hgs/ sbs to be formed	no. of non-agricultural enterprises (E)	no. of hgs/ sbs to be formed
less than 600	1	less than 120	1
600 - 799	4	120 - 159	4
800 - 899	5	160 - 199	5
1000 - 1199	6	200 - 239	6
and so on	...	and so on	...

3.8.3 Formation and selection of hamlet-groups/ sub-blocks:

In case hamlet-groups/ sub-blocks are to be formed in the sample FSU, the same should be done either by more or less equalizing population or by equalising number of non-agricultural enterprises. If the criterion for deciding the value of 'D' is population, then hg/sb may be formed by equalising population. On the other hand, if enterprise criterion has been used for deciding 'D', then equalise the number of non-agricultural enterprises to form 'D' number of hg/sb. If the value of 'D' is same for both population and enterprise criteria, then hg/sb may be formed by equalising population.

3.8.4 Segments 1 & 2: Two segments (in addition to segment 9 already formed) are selected from a large FSU wherever hamlet-groups/ sub-blocks have been formed in the following manner – Segment 1 is the hg/sb having maximum number of establishments under the coverage Two more hg's/sb's are chosen by SRSWOR and combined to form Segment 2.

Listing and selection of the enterprises are done independently in the two selected segments. The FSUs without hg/ sb formation is treated as sample segment number 1.

3.9 Formation of Second Stage Strata and allocation of enterprises for schedule 2.34:

A maximum of nineteen (19) second-stage strata (SSS) are formed within each sample FSU. Composition of various SSS is as under:

- (i) 5 SSS considering various broad manufacturing groups are formed in each segment for **Manufacturing sector Establishments:** (1) **SSS 1** - Food products, Beverage and Tobacco Products, (2) **SSS 2** - Textiles, Leather, etc. and Cotton ginning, cleaning and baling, (3) **SSS 3** - Wood and wood products, paper and paper products, printing and publishing etc & Furniture, (4) **SSS 4** - Petroleum Products, chemicals, rubber, metals,

metal products, machinery and equipments, etc., and (5) **SSS 5** – remaining manufacturing activities.

(ii) 4 SSS are formed in each segment for **Trade sector Establishments**: **SSS 6** comprises the activities of commission agents. Excluding the activities of commission agents, three more SSS are formed. They are as follows: **SSS 7** - Trade and repair of motor vehicles and motor cycles; **SSS 8** – other wholesale trade and **SSS 9** – other retail trade.

(iii) 7 SSS are formed in each segment for **Service sector Establishments (other than trade)** corresponding to the following broad activities: **SSS 10** – Accommodation & food service, **SSS 11** - Transport, storage, information & communication, **SSS 12** - Financial & insurance activities, **SSS 13** - Real Estate and Renting and Business Activities, **SSS 14** - Education, **SSS 15** – Human health & Social work, and **SSS 16** - Other services.

(iv) 3 SSS are formed in each segment for own account enterprises (**OAEs**) as follows: **SSS 17** – OAEs in Manufacturing, **SSS 18** – OAEs in Trade, and **SSS 19** – OAEs in Other services.

NIC 2008 codes grouped under each SSS are listed in the following table:

SSS number	NIC 2008 Codes	Description of major activities
A. Establishments		
A.1 Manufacturing		
1	10 – 12	Food products, Beverages and Tobacco products
2	01632, 13 – 15	Cotton ginning, cleaning and bailing, Textiles, Wearing Apparel, Leather and Leather products
3	16 – 18, 31, 32	Wood and wood products, paper and paper products, printing etc.
4	19 – 25, 27, 28, 33	Petroleum Products, Chemicals, Pharmaceuticals, Rubber, Plastics, Metals, Metal products, machinery and equipments etc.

SSS number	NIC 2008 Codes	Description of major activities
5	26, 29, 30	Remaining manufacturing activities
A.2 Trade		
6	461	Commission agents for wholesale trade
7	45	Trade and repair of motor vehicles and motorcycles
8	462, 463, 464, 465, 466, 469	Other wholesale trade
9	47	Other retail trade
A.3 Other Services		
10	55, 56	Accommodation and food service activities
11	49211, 49219, 4922, 4923, 50, 52, 53, 58 – 63	Transport, Storage, Information and Communication
12	64300, 64309 (SHG), 6491, 64920, 64929 (activity of money lenders), 6499, 65, 6612, 6619, 662, 663	Financial and Insurance activities
13	68, 69, 70 – 75, 771, 772, 773, 78 – 82	Real Estate, Professional, Scientific and Technical, Rental & Leasing activities
14	85	Education
15	86 – 88	Human Health and Social work
16	37 – 39, 90 – 93, 941, 9491, 9499, 95, 96	Other personal services
B. OAEs : Manufacturing, Trade and Other Services		
17	01632, 10 – 33	Manufacturing
18	45 – 47	Trade

SSS number	NIC 2008 Codes	Description of major activities
19	37 – 39, 49211, 49219, 4922, 4923, 50, 52 – 63, 64300, 64309, 6491, 64920, 64929, 6499, 65, 6612, 6619, 662, 663, 68, 69, 70 – 75, 771, 772, 773, 78 – 82, 85 – 93, 941, 9491, 9499, 95, 96	Other Services
NICs not under coverage		
Sections: A, B, D, F, O, T, U, Codes: 36, 491, 49212, 49213, 493, 51, 641, 642, 6611, 774, 942, 9491(organisations only), 9492		

3.10 Selection of enterprises

3.10.1 The **number of enterprises to be selected** for survey (excluding segment 9) from each FSU × segment × SSS is given below:

enterprise type	sector	SSS number	number of enterprises to be surveyed	
			without hg/ sb formation	with hg/ sb formation (for each segment)
establishments	manufacturing	1	2	1
		2	2	1
		3	2	1
		4	2	1
		5	2	1
		sub-total	10	5
	trade	6	2	1
		7	2	1
		8	2	1
		9	2	1
		sub-total	8	4
	services	10	2	1
		11	2	1
		12	2	1
		13	2	1
		14	2	1
15		2	1	
	16	2	1	
	sub-total	14	7	

OAEs	manufacturing	17	4	2
	trade	18	4	2
	services	19	4	2
	sub-total		12	6

It may be noted that from each segment × SSS, at least one enterprise must be surveyed if there are some enterprises in the corresponding frame. In other words, as per the notations used in blocks 5a and 5b of schedule 0.0, $e > 0$ if $E > 0$ for each FSU × segment × SSS.

3.10.2 In addition to the above, **all the eligible enterprises of segment 9 will be surveyed.**

3.10.3 **Selection of Enterprises:** Sample enterprises from each SSS are selected by SRSWOR.

However, **all the establishments in the frame will be selected** for a broad category of establishments (manufacturing/trade/other services) in the following situations:

- (i) All the manufacturing establishments if total number of establishments in manufacturing SSSs is less than or equal to 10 considering both the segments 1 & 2
- (ii) All the trading establishments if total number of establishments in trading SSSs is less than or equal to 8 considering both the segments 1 & 2
- (iii) All the ‘other service sector’ establishments if total number of establishments in other services SSSs is less than or equal to 14 considering both the segments 1 & 2.

3.11 Brief descriptions of different types of service sector enterprises under the coverage of the survey are given below. NIC – 2008 book may be consulted for detailed list of all activities.

NIC-2008		coverage of survey
code	activity	
37	SEWERAGE	The operation and maintenance of sewer systems; Collecting and transporting of human or industrial waste water or rain water by means of sewerage networks, collectors, tanks and other means of transport (sewage vehicles etc.); Treatment of waste water or sewer by means of physical, chemical or biological processes
38	WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY	Collection of non-hazardous waste; Collection of hazardous waste; Treatment and disposal of non-hazardous waste; Treatment and disposal of hazardous waste; Materials recovery
39	REMEDIATION ACTIVITIES AND OTHER WASTE	Remediation activities and other waste management services. This includes cleanup of contaminated buildings and sites, soil, surface or ground water and other specialized pollution-control activities.

NIC-2008		coverage of survey
code	activity	
	MANAGEMENT SERVICES	
492	OTHER LAND TRANSPORT (excluding Urban or suburban tramways [49212] and Urban or suburban underground or elevated rillways [49213])	Urban or suburban passenger bus transport ; Long-distance bus services; Charters, excursions and other occasional coach services; Rental of private cars with driver; Taxi operation; Operation of school buses and buses for transport of employees; Passenger transport by man- or animal-drawn vehicles; Motorised road freight transport; Non-motorised road freight transport.
50	WATER TRANSPORT	Sea and coastal ferry service; Sea and coastal water cruise, water taxis and other sight-seeing boats; Sea and coastal long distance water transport; Sea and coastal freight water transport; River ferry service; River cruise, water taxi, boat services; Long distance river water transport; transport of freight via rivers, canals, lakes and other inland waterways, including inside harbours and ports.
52	WAREHOUSING AND SUPPORT ACTIVITIES FOR TRANSPORTATION	Warehousing and storage. Includes cold storage, storage and warehousing of general merchandise, furniture, automobiles, gas and oil, chemicals, textiles etc. Also included is storage of goods in foreign trade zones; Service activities incidental to land transportation; Service activities incidental to water transportation; Cargo handling incidental to land transport; Cargo handling incidental to water transport; Activities of travel agents; Activities of shipping cargo agents; Activities of movers and packers; Weighing of goods.
53	POSTAL AND COURIER ACTIVITIES	All enterprises providing postal services, <i>not owned by government, Public Sector undertakings and local bodies</i> will be covered. This will include courier services.
55	ACCOMMODATION	Hotels and Motels, inns, resorts providing short term lodging facilities; includes accommodation in house boats; Provision of short term lodging facilities to members of a particular organisation such as company guest houses & similar establishments; Provision of accommodation in campgrounds, trailer parks, recreational camps and fishing and hunting camps for short stay visitors, provision of space and facilities for recreational vehicles, accommodation provided by mountain shelters; Accommodation provided by student

NIC-2008		coverage of survey
code	activity	
		<p>residences, school dormitories; Worker hostels and boarding houses.</p> <p>Dharamshala type lodging places, private guest/rest houses, tourist lodges etc. which provide short-stay accommodation are to be covered under hotels <i>provided they are run by private individuals/organszations.</i></p> <p><i>However similar facilities if provided by Govt./PSU/Local body/Statutory bodies (e.g. ISI, IIT, Universities etc.) are excluded from the purview of the coverage of this survey.</i></p> <p>[A hotel is an enterprise that provides lodging services with or without arrangements for meals, other prepared food and refreshments.]</p>
56	FOOD AND BEVERAGE SERVICE ACTIVITIES	<p>Restaurants; Bars with or without restaurants; Cafeterias, fast-food restaurants and other food preparation in market stalls; Ice cream mobile vendors, mobile food carts; Restaurant and bar activities connected to transportation, when carried out by separate units; Event catering; Activities of food service contractors (e.g. for transportation companies); Operation of canteens or (e.g. for factories, offices, hospitals or schools) on a concession basis (<i>but departmental canteens run by government will be excluded</i>); Tea/coffee shops; Fruit juice bars; Mobile beverage vendors</p> <p>[A restaurant generally provides eating and drinking services where prepared meals, food and refreshments and other snacks are sold for immediate consumption without any provision for lodging.]</p>
58	PUBLISHING ACTIVITIES	<p>Publishing of books, brochures, leaflets and similar publications, including publishing encyclopedias (including on CD-ROM); Publishing of atlases, maps and charts; Publishing of audio books; Publishing of directories and mailing lists; Publishing of newspapers, journals and periodicals; On-line publishing of statistics and other information; Publishing of operating systems and system software; Publishing of computer games for all platforms</p>

NIC-2008		coverage of survey
code	activity	
59	MOTION PICTURE, VIDEO AND TELEVISION PROGRAMME PRODUCTION, SOUND RECORDING AND MUSIC PUBLISHING ACTIVITIES	Production of motion picture, Video production, Production of television programmes or television commercials; Post production activities of motion picture, Post production activities of television programmes or television commercials; Post production activities of video production; Distribution of Motion picture, video tapes, CDs, DVDs and Distribution of television programme; Motion picture or video tape projection in cinemas, in the open air or in other projection facilities; Activities of cine-clubs; Activities of sound recording in studio or elsewhere; Activities of music publishing.
60	PROGRAMMING AND BROADCASTING ACTIVITIES	Radio broadcasting; Television programming and broadcasting activities. The broadcasting can be performed using different technologies, over-the-air, via satellite, via a cable network or via internet;
61	TELECOMMUNICATIONS	Activities of basic telecom services: telephone, telex and telegraph (includes the activities of STD/ISD booths); Maintenance of telecom network; Activities of the cable operators; Activities of providing internet access by the operator of the wired infrastructure; Activities of internet access by the operator of the wireless infrastructure; Activities of maintaining and operating paging, cellur and other tetecommunication networks; Activities of other wireless telecommunications activities; Activity of internet access by the operator of the satellite infrastructure; Other satellite telecommunications activities; Specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations, operation of satellite terminal station, internet access over networks such as dial-up internet access etc.
62	COMPUTER PROGRAMMING, CONSULTANCY AND RELATED ACTIVITIES	Writing, modifying, testing of computer program to meet the needs of a particular client; Web-page designing; Providing software support and maintenance to the clients; Installation of computer system, and train and support the users of the system and providing hardware support including planning and designing of computer systems that integrate computer hardware, software and communication technologies; Software installation; Computer disaster recovery.
63	INFORMATION SERVICE ACTIVITIES	Data processing activities including report writing; Web hosting activities; Providing general time-share mainframe facilities to clients; Providing data entry services; Operation of web sites that use a search engine to generate and maintain extensive databases of internet addresses and content in an easily searchable format; Operation of other websites that act as portals to the internet, such as media sites providing periodically updated content; News agency activities; Telephone based information services; Activities of cyber

NIC-2008		coverage of survey
code	activity	
		café.
643	TRUSTS, FUNDS AND OTHER FINANCIAL VEHICLES	<p>This class includes legal entities organized to pool securities or other financial assets, without managing, on behalf of shareholders or beneficiaries. The portfolios are customized to achieve specific investment characteristics such as diversification, risk, rate of return, and price volatility. These entities earn interest, dividends, and other property income, but have little or no employment and no revenue from the sale of services.</p> <p>Self-Help Groups engaged predominantly in financial intermediation will be given a special code 64309.</p>
649	OTHER FINANCIAL SERVICE ACTIVITIES EXCEPT INSURANCE AND PENSION FUNDING ACTIVITIES	<p>Financial leasing; Financial service activities primarily concerned with making loans by institutions not involved in monetary intermediation (such as venture capital companies, industrial banks, investment clubs), where the granting of credit can take a variety of forms, such as loans, mortgages, credit cards etc.; other financial service activities primarily concerned with distributing funds other than by making loans; Activities of hire - purchase financing, housing finance companies, commercial loan companies, other credit activities including pawn shops.</p> <p>A money lender whether registered under Money Lender's Act or not will be under coverage. Activity of money lenders has been given a special code 64929.</p>
65	INSURANCE, REINSURANCE AND PENSION FUNDING, EXCEPT COMPULSORY SOCIAL SECURITY	<p>Life insurance; insurance services other than life insurance such as accident and fire insurance, health insurance, travel insurance, property insurance, motor, marine, aviation and transport insurance, pecuniary loss and liability insurance; Reinsurance (activities of assuming all or part of the risk associated with existing insurance policies originally underwritten by other insurance carriers); Pension funding (legal entities i.e. funds, plans and/or programmes organized to provide retirement income benefits exclusively for the sponsor's employees or members. This includes pension plans with defined benefits, as well as individual plans where benefits are simply defined through member's contribution).</p>
661	OTHER FINANCIAL ACTIVITIES (excluding Administration of financial markets [6611])	<p>Activities auxiliary to financial service activities, except insurance and pension funding.</p> <p>This includes the operation and supervision of financial markets other than by public authorities, such as commodity contracts exchanges, futures commodity contracts exchanges, securities exchanges, stock exchanges, stock or commodity options exchanges; dealing in financial markets on behalf of others (e.g. stock broking) and related</p>

NIC-2008		coverage of survey
code	activity	
		activities, securities brokerage, commodity contracts brokerage, foreign exchange services, etc.; activities of investment advisors, mortgage advisors and brokers, financial transaction processing and settlement activities, trustee, fiduciary and custody services on a fee or contract basis.
662	ACTIVITIES AUXILIARY TO INSURANCE AND PENSION FUNDING (excluding Other activities auxiliary to insurance and pension funding [6629])	Activities auxiliary to insurance and pension funding. This includes the provision of administration services of insurance, such as assessing and settling insurance claims; activities of insurance agents and brokers;
68	REAL ESTATE ACTIVITIES (Excluding operating of self-owned residential buildings)	Real estate activities with own or leased property and Real estate activities on a fee or contract basis. This class includes buying, selling, operating of self-owned or leased real estate (excluding operation of self-owned residential buildings) , providing of homes and furnished or unfurnished flats or apartments for more permanent use, typically on a monthly or annual basis, development of building projects for own operation, i.e. for renting of space in these buildings, subdividing real estate into lots, without land improvement, operation of residential mobile home sites; the provision of real estate activities on a fee or contract basis including real estate related services such as, activities of real estate agents and brokers, intermediation in buying, selling and renting of real estate on a fee or contract basis, management of real estate on a fee or contract basis, appraisal services for real estate, real estate escrow agents.
69	LEGAL AND ACCOUNTING ACTIVITIES	Legal activities; Accounting, bookkeeping and auditing activities; Tax consultancy.
70	MANAGEMENT CONSULTANCY ACTIVITIES	Activities of head offices; management consultancy activities
71	ARCHITECTURE AND ENGINEERING ACTIVITIES: TECHNICAL TESTING AND ANALYSIS	Architectural and engineering activities and related technical consultancy, technical testing and analysis. This class includes architectural consulting activities, machinery, industrial process control and industrial plant design, engineering design and consulting activities for, geophysical, geologic and seismic surveying, geodetic surveying activities; performance of physical, chemical and other analytical testing of all types of materials and products, certification of products, including consumer goods, motor vehicles, aircraft, pressurized containers, nuclear plants etc. periodic road-safety testing

NIC-2008		coverage of survey
code	activity	
		of motor vehicles, testing with use of models or mock-ups (e.g. of aircraft, ships, dams etc.), operation of police laboratories.
72	SCIENTIFIC RESEARCH AND DEVELOPMENT	Research and experimental development on natural sciences, engineering, social sciences and humanities.
73	ADVERTISING AND MARKET RESEARCH	Advertising, market research and public opinion polling. This class includes the provision of a full range of advertising services (i.e. through in-house capabilities or subcontracting), including advice, creative services, production of advertising material, media planning, and buying; investigation into market potential, acceptance and familiarity of products and buying habits of consumers for the purpose of sales promotion and development of new products, including statistical analyses of the results, investigation into collective opinions of the public about political, economic and social issues and statistical analysis thereof.
74	OTHER PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	Fashion design related to textiles, wearing apparel, shoes, jewelry, furniture and other fashion goods as well as other personal or household goods; activities of interior decorators; services of graphic designers; photographic activities (commercial and consumer photograph production; photographic film processing; activities of photojournalists; microfilming of documents); business brokerage activities; patent brokerage activities; weather forecasting activities; security consulting, etc.
75	VETERINARY ACTIVITIES	These activities include the provision of animal health care and control activities for farm animals or pet animals. These activities are carried out by qualified veterinarians in veterinary hospitals. It also includes animal ambulance activities.
771	RENTING AND LEASING OF MOTOR VEHICLES	Renting and operational leasing of passenger cars (without drivers), trucks, utility trailers and recreational vehicles.
772	RENTING AND LEASING OF PERSONAL AND HOUSEHOLD GOODS	Renting and leasing of recreational and sports goods; Renting of video tapes and disks; Renting of tent, furniture, pottery and glass, kitchen and tableware, utensils, household electrical and electronic equipments etc.; Renting of books, journals and magazines; Renting of jewellery, musical instruments, scenery and costumes; Renting of textiles, wearing apparel, footwear, sleeping bag, rucksack, household goods;
773	RENTING AND LEASING OF OTHER MACHINERY, EQUIPMENT AND	Renting and leasing of other machinery, equipment and tangible goods n.e.c.

NIC-2008		coverage of survey
code	activity	
	TANGIBLE GOODS N.E.C.	
78	EMPLOYMENT ACTIVITIES	Activities of employment placement agencies; Temporary employment agency activities; Human resources provision and management of human resources functions;
79	TRAVEL AGENCY, TOUR OPERATOR AND OTHER RESERVATION SERVICE ACTIVITIES	Travel agency activities; Tour operator activities; activities of tourist guides; activities of marketing and promoting of services for visitors by providing information and assistance to organizations to locate accommodation, convention centers and entertainment venues and other travel-related reservation services (including for transportation, hotels, rest restaurants, car rentals, entertainment and sport).
80	SECURITY AND INVESTIGATION ACTIVITIES	Private security activities; Security systems service activities; Investigation activities
81	SERVICES TO BUILDINGS AND LANDSCAPE ACTIVITIES	Combined facilities support activities (this class includes the units that typically provide a combination of services, such as general interior cleaning, maintenance, trash disposal, laundry and related services. They provide operating staff to carry out these support activities); General cleaning of buildings; Cleaning of trains buses, planes etc.; Cleaning of industrial machinery; Other building and industrial cleaning activities; Landscape care and maintenance service activities.
82	OFFICE ADMINISTRATIVE, OFFICE SUPPORT AND OTHER BUSINESS SUPPORT ACTIVITIES	Combined office administrative service activities (this class includes the provision of a combination of day to day office administrative services, such as reception, financial planning, billing and record keeping, personnel and mail services etc. for others on a contract or fee basis); Photocopying, duplicating and blueprinting services; Document preparation, typing, word processing and desktop publishing services; Other specialised office support services activities; Activities of call centres; Organization of conventions and trade shows ; Activities of collection agencies and credit bureaus; Packaging activities, etc.
85	EDUCATION	Pre-Primary education, Primary education; General secondary education (includes Senior/Higher secondary education); Technical and vocational secondary education; Higher education; Sports and recreation education; Cultural education; Academic tutoring services; Professional examination review courses; Flying school; Professional and non-professional motor driving school; Educational support services. All Govt. or Govt.- aided educational institutions will be outside

NIC-2008		coverage of survey
code	activity	
		<p>the survey coverage. Educational institutions where salaries of the teachers/ staffs are funded fully by the Government will be considered as Govt. aided educational institution.</p> <p>All private educational institutions will be covered whether or not recognised. This will include management training institutes, computer training centres, nursing schools, schools of music, drama, dance, fine arts, modelling, fashion designing, yoga and physical education and general coaching centres (e.g. for various competitive examinations) etc. are to be covered. This will also include adult education centers.</p>
86	HUMAN HEALTH ACTIVITIES	<p>Hospital activities; Medical and dental practice activities; Activities of Ayurveda, Unani, homeopath practitioners; Activities of nurses, masseurs, physiotherapists or other para-medical practitioners; Activities of independent diagnostic/pathological laboratories; Activities of independent blood banks; independent ambulance Activities.</p> <p>All enterprises engaged in health and medical services <i>other than those owned by government, public sector undertakings, local bodies</i> will be covered, irrespective of the system of medicine.</p> <p>All private dispensaries, clinics and consultation chambers run by doctors will be covered. An employed doctor and para-medical person doing private practice will be covered and his/her private practice alone will be considered as an enterprise.</p>
87	RESIDENTIAL CARE ACTIVITIES	<p>Nursing care facilities (homes for the elderly with nursing care, convalescent homes, rest homes with nursing care); Residential care activities for mental retardation, mental health and substance abuse; Residential care activities for the elderly and disabled; Activities provided on a round-the-clock basis directed to provide social assistance to children and special categories of persons with some limits on ability for self-care, but where medical treatment or education are not important elements such as orphanages, children's boarding homes and hostels, temporary homeless shelters, institutions that take care of unmarried mothers and their children.</p>
88	SOCIAL WORK ACTIVITIES WITHOUT ACCOMMODATION	<p>Social work activities without accommodation for the elderly and disabled; Social counseling, welfare, refugee, referral and similar services which are delivered to individuals and families in their homes or elsewhere and carried out by government offices or by private organizations, disaster relief organizations and national or local self-help organizations and by specialists providing counselling</p>

NIC-2008		coverage of survey
code	activity	
		services such as child day-care activities, community and neighbourhood activities, charitable activities like fund-raising or other supporting activities aimed at social work.
90	CREATIVE, ARTS AND ENTERTAINMENT ACTIVITIES	Dramatic arts, music and other arts activities. This class includes Stage production and related activities; Operation of concert and theatre halls and other arts facilities; Activities of sculptors, painters, cartoonists, engravers, etchers etc.; Activities of individual writers for all subjects including fictional writing, technical writing etc.; Activities of independent journalists; Activities of restoring of works of art such as paintings etc.
91	LIBRARIES, ARCHIVES, MUSEUMS AND OTHER CULTURAL ACTIVITIES	Library and archives activities; Museums activities and operation of historical sites and buildings; Botanical and zoological gardens and nature reserves activities.
92	GAMBLING AND BETTING ACTIVITIES	Wholesale and retail sale of lottery tickets; Other gambling and betting activities. However, there may be certain gambling/ betting activities that are illegal and clandestine in nature. These activities are out of coverage for the present survey.
93	SPORTS ACTIVITIES AND AMUSEMENT AND RECREATION ACTIVITIES	Operation of sports facilities; Activities of sports clubs; Other sports activities; Activities of amusement parks and theme parks.
941	ACTIVITIES OF BUSINESS, EMPLOYERS AND PROFESSIONAL MEMBERSHIP ORGANIZATIONS	Activities of chambers of commerce, guilds and similar organisations, federations of such organizations ; activities of associations of writers, painters, lawyers, doctors, journalists and other similar organizations.
949	ACTIVITIES OF OTHER MEMBERSHIP ORGANISATIONS	Activities of other membership organizations, such as religious organizations, will be covered only if it relates to activities other than organizational activities. Thus, activities of religious organizations providing services directly to worshippers in churches, mosques, temples, synagogues or other places, activities of organizations furnishing monastery and convent services, religious retreat activities will be excluded. However, individuals such as <i>purohits</i> who provide services directly to worshippers will only be covered. Activities of political organizations will not be covered.

NIC-2008		coverage of survey
code	activity	
		Activities of rotary clubs, student associations, war veterans' associations, book clubs, philatelic clubs, associations of minority groups, and the activities of other similar associations / organizations will be included.
95	REPAIR OF COMPUTERS AND PERSONAL AND HOUSEHOLD GOODS	Repair and maintenance of computer and peripheral equipment; Repair and maintenance of automated terminals like automatic teller machines, point-of-sale (POS) terminals, not mechanically operated; Repair and maintenance of communication equipment like cordless telephones, cellular phones, fax machines, commercial TV and video cameras etc. Repair and maintenance of consumer electronics; Repair and servicing of household appliances (refrigerators, stoves, washing machines, clothes dryers, room air conditioners, etc.); Repair and servicing of home and garden equipment such lawn mowers, edgers, trimmers etc.; Repair of footwear and leather goods; Repair of furniture and home furnishings; Repair of bicycles; Repair and alteration of clothing; Repair and alteration of jewellery; Repair of watches, clocks and their parts; Repair of musical instruments; Repair of other personal and household goods.
96	OTHER PERSONAL SERVICE ACTIVITIES	Washing and (dry-) cleaning of textile and fur products; Hairdressing and other beauty treatment; Funeral and related activities; Social activities such as escort services, marriage bureaus; Pet care services such as boarding, grooming and training pets etc.; Shoe shiners, porters, valet car parkers etc.; Coin-operated personal service machines such as photo booths, weighing machines, blood pressure checking machines etc.; Activities of sauna and steam baths, massage salons etc.; Astrological and spiritualists' activities; <i>Activities of aaya, dhai, governess, baby sitter etc. (however, those employed in private households are classified under NIC 97 and are excluded from coverage)</i> ; General household maintenance activities like grooming of the floor, dusting, cleaning of utensils etc.
<p>Persons providing services to the households, for example cooks, tutors, etc., by visiting the houses of the employer (service produced within the households and consumed by the households on a regular basis) are not be considered as enterprise. However, if these types of persons provide services to enterprises/institutions other than private households, they are treated as enterprises. Similarly, if some persons provide legal, accounting or similar services to different enterprises on a fee basis, they are treated as running own account enterprise.</p>		
<p>If any enterprise under coverage is run by religious/ political/other membership organizations with at least one worker hired for the services it provides then that enterprise is covered under respective NIC code of that activity.</p>		

4. Estimation Procedure

4.1 Notations:

s = subscript for s-th stratum

t = subscript for t-th sub-stratum

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

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

d = subscript for a segment (d = 1, 2, 9)

j = subscript for j-th second stage stratum in an FSU/ segment [j = 1, 2, 3, , 19]

k = subscript for k-th sample enterprise under a particular second stage stratum within an FSU/ segment

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

$D^* = 0$ if $D = 1$

$= (D - 1)/2$ for FSUs with $D > 1$

N = total number of FSUs in any urban sub-stratum

Z = total size of a sub-stratum (= sum of sizes for all the FSUs of a sub-stratum) belonging to either rural sector or urban million plus cities excluding Mumbai

z = size used for selection of sample FSU belonging to either rural sector or urban million plus cities excluding Mumbai

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

E = total number of enterprises listed in a second-stage stratum of an FSU / segment of sample FSU

e = number of enterprises surveyed in a second-stage stratum of an FSU / segment of sample FSU

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

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

Under the above symbols,

$y_{stmidjk}$ = observed value of the characteristic y for the k-th enterprise in the j-th second stage stratum of the d-th segment (d = 1, 2, 9) of the i-th FSU belonging to the m-th sub-sample for the t-th sub-stratum of s-th stratum.

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

4.2 Formulae for Estimation of Aggregates for a particular sub-sample and stratum / sub-stratum:

4.2.1 Schedule 0.0:

4.2.1.1 Rural:

(i) For estimating the number of enterprises possessing a characteristic:

$$\hat{Y} = \frac{Z}{n} \sum_{i=1}^n \frac{1}{z_i} \left[y_{i9} + y_{i1} + D_i^* \times y_{i2} \right]$$

where y_{i9} , y_{i1} , y_{i2} are the total number of enterprises possessing the characteristic y in segments 9, 1 & 2 of the i -th FSU respectively.

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

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

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

4.2.1.2 Urban:

(a) Estimation formula for a sub-stratum of million plus cities (excluding Mumbai):

(i) For estimating the number of enterprises possessing a characteristic:

$$\hat{Y} = \frac{Z}{n} \sum_{i=1}^n \frac{1}{z_i} \left[y_{i9} + y_{i1} + D_i^* \times y_{i2} \right]$$

where y_{i9} , y_{i1} , y_{i2} are the total number of enterprises possessing the characteristic y in segments 9, 1 & 2 of the i -th FSU respectively.

(b) Estimation formula for a sub-stratum of other strata:

(i) For estimating the number of enterprises possessing a characteristic:

$$\hat{Y} = \frac{N}{n} \sum_{i=1}^n \left[y_{i9} + y_{i1} + D_i^* \times y_{i2} \right]$$

where y_{i9} , y_{i1} , y_{i2} are the total number of enterprises possessing the characteristic y in segments 9, 1 & 2 of the i -th FSU respectively.

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

4.2.2 Schedules 2.34:

4.2.2.1 Rural:

Estimation formula for a sub-stratum:

(i) For enterprises selected in j -th second stage stratum:

$$\hat{Y}_j = \frac{Z}{n_j} \sum_{i=1}^{n_j} \frac{1}{z_i} \left[\sum_{k=1}^{e_{i9j}} y_{i9jk} + \frac{E_{i1j}}{e_{i1j}} \sum_{k=1}^{e_{i1j}} y_{i1jk} + D_i^* \times \frac{E_{i2j}}{e_{i2j}} \sum_{k=1}^{e_{i2j}} y_{i2jk} \right]$$

(ii) For all selected enterprises:

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

4.2.2.2 Urban:

(a) Estimation formula for a sub-stratum of million plus cities (except Mumbai):

(i) For enterprises selected in j -th second stage stratum:

$$\hat{Y}_j = \frac{Z}{n_j} \sum_{i=1}^{n_j} \frac{1}{z_i} \left[\sum_{k=1}^{e_{i9j}} y_{i9jk} + \frac{E_{i1j}}{e_{i1j}} \sum_{k=1}^{e_{i1j}} y_{i1jk} + D_i^* \times \frac{E_{i2j}}{e_{i2j}} \sum_{k=1}^{e_{i2j}} y_{i2jk} \right]$$

(ii) For all selected enterprises:

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

(b) Estimation formula for a sub-stratum of other strata:

(i) For enterprises selected in j-th second stage stratum:

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} \left[\sum_{k=1}^{e_{i9j}} y_{i9jk} + \frac{E_{i1j}}{e_{i1j}} \sum_{k=1}^{e_{i1j}} y_{i1jk} + D_i^* \times \frac{E_{i2j}}{e_{i2j}} \sum_{k=1}^{e_{i2j}} y_{i2jk} \right]$$

(ii) For all selected enterprises:

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

Note: For segment 9, an adjustment may be necessary if $E \neq e$ for a second-stage stratum due to casualty at the detailed enquiry stage. In that case, contribution of segment 9 (i.e. $\sum_{k=1}^{e_{i9j}} y_{i9jk}$) in the above formulae may be replaced by $\frac{E_{i9j}}{e_{i9j}} \sum_{k=1}^{e_{i9j}} y_{i9jk}$,

where E_{i9j} = (number of enterprises in the frame of of segment 9 for j-th SSS of i-th FSU as per column (4) block 6a of schedule 0.0) and e_{i9j} = (number of enterprises actually surveyed for segment 9 of j-th SSS of i-th FSU)

$E_{i9j} = e_{i9j}$ if there is no casualty.

Note: As mentioned earlier in section 4.2.1.2, $N = 1$ in the above formula in the case of Leh and Kargil districts of J & K.

4.2.3 Estimate for a stratum:

$$\hat{Y}_s = \sum_t \hat{Y}_{st}$$

4.3 Overall Estimate for Aggregates:

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

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

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

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

4.5 Estimates of Ratios:

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

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

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

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

4.6.1 For aggregate \hat{Y} :

$V\hat{a}r(\hat{Y}) = \sum_s \sum_t V\hat{a}r(\hat{Y}_{st})$ where $V\hat{a}r(\hat{Y}_{st})$ is given by

$V\hat{a}r(\hat{Y}_{st}) = \frac{1}{4}(\hat{Y}_{st1} - \hat{Y}_{st2})^2$ where \hat{Y}_{st1} and \hat{Y}_{st2} are the estimates for sub-sample 1 and sub-sample 2 respectively for stratum 's' and sub-stratum 't'.

4.6.2 For ratio \hat{R} :

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

4.6.3 Estimates of Relative Standard Error (RSE):

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

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

4.7 Multipliers:

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

sector	sub-stratum	formula for multipliers		
		segment 9	segment 1	segment 2
Schedule 0.0				
rural	all	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}}$	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}}$	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}} \times D_{stmi}^*$
urban	for million plus cities (except Mumbai)	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}}$	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}}$	$\frac{Z_{st}}{n_{stm}} \times \frac{1}{z_{stmi}} \times D_{stmi}^*$
	for other strata	$\frac{N_{st}}{n_{stm}}$	$\frac{N_{st}}{n_{stm}}$	$\frac{N_{st}}{n_{stm}} \times D_{stmi}^*$
Schedule 2.34				
rural	all	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$
urban	for million plus cities (except Mumbai)	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$
	for other strata	$\frac{N_{st}}{n_{stmj}} \times \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{N_{st}}{n_{stmj}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{N_{st}}{n_{stmj}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$
$j = 1, 2, 3, \dots, 19$				

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

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

4.8.1 While counting the number of FSUs surveyed (n_{sm} or n_{stm}) in a stratum/sub-stratum, all the FSUs with survey codes 1 to 6 in schedule 0.0 will be considered. In

addition, if no SSU is available in the frame for a particular FSU then also that FSU will be treated as surveyed. However, if the SSUs are available in the frame of the FSU but none of these could be surveyed then that FSU has to be treated as casualty and it will not be treated as surveyed.

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

4.8.3 Similarly, FSUs with survey codes 1 and 4 as per schedule 0.0 having number of enterprises in the frame of j-th second stage stratum greater than 0 but number of enterprises surveyed according to data file, considering all three segments together, as nil (i.e. $E_{i9j} + E_{i1j} + E_{i2j} > 0$ but $e_{i9j} + e_{i1j} + e_{i2j} = 0$) will be taken as casualties for j-th second stage stratum

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

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

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

However, segment 9 need not be clubbed with segment 1 or segment 2 if segment 9 enterprises are surveyed but no enterprises could be surveyed from segments 1 / 2.

It may be noted that n_{stmj} would be same for segments 1 & 2 of an FSU.

4.9 Treatment in cases of void second-stage strata/sub-strata /strata/NSS region at FSU or enterprise level

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

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

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

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

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

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

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

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

5. Reference to the values of Z_{st} , N_{st} , n_{st} , Z_{sti} , D_{sti} , D^*_{sti} , E_{sti1j} , e_{sti1j} , E_{sti2j} , e_{sti2j} :

- (a) Values of Z_{st} , N_{st} and allotted n_{st} for the whole round are given in appendix Table 2 for rural sector and in Table 3 for urban sector.
- (b) n_{st} should not be taken from the tables. The values of n_{stm} for each sub-sample are to be obtained following the guidelines given in para 9 above. It includes uninhibited and zero cases but excludes casualty cases.
- (c) The value of z_{sti} for the samples selected by PPS is to be taken from the column of sample list under the heading “selection size” or from item 15,

block 1, schedule 0.0. Value of D_{sti} is to be taken from item 18 of block 1, sch 0.0. D^*_{sti} is to be calculated from the value of D_{sti} .

- (d) Values of E_{sti1j} , E_{sti2j} are to be taken from col.(4), block 6a and 6b of sch 0.0 for respective segments.
- (e) The value of e_{sti1j} and e_{sti2j} should not be taken from col (8), block 6a and 6b of sch.0.0. The figures should be obtained by counting the number of enterprises in the data file excluding the casualty households.

Appendix C

Fascimile of Schedule 2.34

**Unincorporated Non-Agricultural Enterprises
(Excluding Construction)**

RURAL	*
URBAN	

GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY OFFICE
SOCIO - ECONOMIC SURVEY
SIXTY-SEVENTH ROUND (JULY 2010 - JUNE 2011)
SCHEDULE 2. 34 : UNINCORPORATED NON-AGRICULTURAL
ENTERPRISES (EXCLUDING CONSTRUCTION)

CENTRAL	*
STATE	

[0] descriptive identification of sample enterprise	
1. state/u.t:	6. ward/inv. unit/ UFS block:
2. district:	7. name of owner:
3. tehsil/town*:	8. name of informant:
4. village name:	9. name and address of the enterprise:
5. serial no. of hamlet: (col-1,block-3.1)#	

*tick mark (√) may be put in appropriate place. # refers to schedule 0.0.

[1] identification of sample enterprise									
item no.	item	code			item no.	item	code		
1	serial no. of sample village / block				12	FOD sub-region			
2	round number	6		7	13	segment number (1 / 2 / 9)			
3	schedule number	2	3	4					
4	sample (central-1, state-2)				14	second stage stratum (SSS)			
5	sector (rural - 1, urban - 2)								
6	nss-region				15	sample enterprise number			
7	district code				16	response code			
8	stratum.								
9	sub-stratum				17	informant code			
10	sub - round				18	survey code			
11	sub - sample				19	reason for original sample not surveyed (code) [for item 18 = 2 & 3]			

codes for block 1

item 16 : **response code** : informant co-operative and capable - 1, informant co-operative but not capable - 2, informant busy but responded - 3, informant reluctant - 4, others - 9

item 17 : **informant code** : owner – 1, manager – 2, others – 9

item 18 : **survey code**: original enterprise surveyed - 1, substitute surveyed - 2, casualty - 3

item 19 : **reason for original sample not surveyed**: informant busy – 1, informant not available – 2, informant non-cooperative – 3, others – 9

item 204 : type of ownership			
proprietary (male)	1	Self-help Group.....	5
proprietary(female)	2	Trusts	6
partnership with members of the same household	3	Others.....	9
partnership between members not all from the same household	4		
item 209 : location of the enterprise			
<u>within</u> household premises	1	with fixed premises but without any structure	4
<u>outside</u> household premises:		mobile market	5
with fixed premises and with permanent structure	2	without fixed premises(street vendors) ...	6
with fixed premises and with temporary structure/kiosk/stall	3		
Items 218 & 219 : nature of problems faced by the enterprise			
erratic power supply/ power cuts.....	01	non-recovery of financial dues	05
shortage of raw materials.....	02	non-availability of labour as and when needed.....	06
shrinkage /fall of demand	03	labour disputes and related problems	07
non-availability / high cost of credit	04	others (<i>specify in the space provided</i>).....	09
item 221 & 222 : type of assistance received from the government *			
financial loan	1	marketing	5
subsidy	2	raw material.....	6
machinery/ equipment.....	3	others	9
training	4		

* This will not include any assistance/ subsidy which are passed on to the consumers.

Note 1: Mixed activity: An enterprise at a location will be treated as pursuing mixed activity if it carries out a no. of activities simultaneously and accounts for those activities are not separable. The NIC-2008 Codes for those activities **should be different at 2-digit level**. If accounts are separable, each activity will be treated as separate enterprise.

Note 2: Major activity: It is that activity which yields maximum income (1st) / turnover(2nd) /employment(3rd) (in the order mentioned)

[2] particulars of operation and background information		Item no.	code			
(1)		(2)	(3)			
whether pursuing mixed activity? (yes – 1, no – 2)		201				
major activity code (5-digit as per NIC 2008)		202				
description of the major activity:						
If 'yes' in item 201	principal minor activity code (5-digit as per NIC 2008) [1 st 2 digits of item 202 ≠ 1 st 2 digits of item 203]	203				
type of ownership (code)		204				
Whether private non-profit institution? (yes-1, no-2)		205				
If 'yes' in item 205	Whether non-profit institutions serving households (NPISH)? (yes-1, no-2)	206				
If item 204 is '1' to '4'	social group of the owner / major partner (ST-1, SC-2, OBC-3, Others-4, not known-9)	207				
number of other economic activities taken up by the entrepreneur during the last 365 days (applicable if item 204 is '1' to '4')		208				
location of the enterprise (code)		209				
enterprise type during the last 365 days (Own Account Enterprise-1, Establishment-2)		210				
year of initial operation		211				
nature of operation (perennial – 1, seasonal – 2, casual – 3)		212				
number of months operated during the last 365 days		213				
number of hours the enterprise normally worked in a day during the last 30 days		214				
whether accounts maintained ? (yes-1, no-2)		215				
If 'yes' in item 215, whether data collected from books of accounts? (yes-1, no-2)		216				
did the enterprise face any problem in its operation during last 365 days? (yes-1, no-2)		217				
if yes in item 217, nature of problems faced in its operation during the last 365 days (at most two codes in order of severity of problems)	Most severe problem	218				
	Next severe problem	219				
did the enterprise receive any assistance from the government during last three years? (yes-1, no-2)		220				
if yes in item 220, types of assistance received from the government during the last three years (code) (at most 2 codes may be given in descending order of the importance of assistance)	Most important assistance	221				
	Next important assistance	222				

[2] particulars of operation and background information		Item no.	code		
status of the enterprise over the last 3 years (expanding – 1, stagnant – 2, contracting – 3, operated for less than three years – 9)		223			
whether registered under any act/authority? (yes-1, no-2)		224			
Type of registration of the enterprise					
If 'yes' in item 224	whether registered under (yes-1, no-2)	Shops and Establishment Act?	225		
		Municipal Corporation/ Panchayats/ Local Body?	226		
		Vat /Sales Tax Act?	227		
		Provident Fund Act?	228		
		Employees State Insurance Corporation Act?	229		
	any other industry-specific Act/ Authority (give at most three codes)		230		
			231		
		232			
Type of agreement with other units					
Whether the enterprise has any prior marketing agreement with other units ? (yes-1, no-2)		233			
If yes in item 233, supply out of the produce of enterprise covered in the agreement (codes) (whole produce/services-1, portion of produce/services -2)		234			
coverage of the agreement with other units (codes)		235			
does the agreement cover post agreement input price escalation ? (yes-1, no-2)		236			
percentage of payments generally received at the time of sale / delivery under the agreement		237			
whether supplying to a single parent unit ? (yes-1, no-2)		238			
If yes in item 238, whether the parent unit has remained more or less the same in the past three years (only in case of enterprise existing for three or more years) (yes-1, no-2, not applicable-9)		239			

items 230-232 : industry-specific act/authority of registration			
State directorate of industries	01	Technical Consultancy Services Organisations/Council for Technological Upgradation.....	11
Khadi and Village Industries Commission/ Board.....	02	Small Industries Development Bank of India (SIDBI).....	12
Development Commissioner of Handicraft /handloom.....	03	Small Industries Services Institutes/ other small industries registration agencies.....	13
Coir Board	04	District Supply and Marketing Society.....	14
Directorate of education /AICTE/NCTE	05	State Trading Corporation of India Limited (STC)	15
Silk Board	06	Indian Charitable Act	16
Jute Commissioner.....	07	Cinematograph act	17
Pollution Control Board.....	08	Money lender's Act	18
Directorate General of Foreign Trade/ other export promotion agencies.....	09	Societies Registration Act, 1860 (including the State variants).....	19
State Financial Corporation/Industrial Cooperative Banks/Industrial Development Banks.....	10	Public Trust Act	20
		Others.....	99
item 235 : coverage of agreement with other units			
a. Raw materials provided by the other unit.....	1	e. a & c	5
b. Technology/ designs/ specifications given by the other unit	2	f. b & c.....	6
c. Plant and machinery given by the other unit...	3	g. a, b & c	7
d. a & b	4	h. none of the above	9

[2.1] activities pursued by the enterprise during last 30 days ended on / last calendar month ended on		
broad description of the activity	item no.	whether pursued the activity during the reference period (yes-1, no-2)
(1)	(2)	(3)
manufacturing activity (NIC-08 Div. 10-33, 01632)	241	
trading activity (NIC-08 Div. 45-47)	242	
transportation and storage activities (NIC-08 Groups 492, 501, 502, excluding 49212, 49213, Div. 52)	243	
postal and courier activities (NIC-08 Div. 53)	244	
accommodation and food service activities (NIC-08 Div. 55-56)	245	
information and communications (NIC-08 Div. 58-63)	246	
financial and insurance activities (NIC-08 Groups 643, 65, 649, Div. 66)	247	
real estate activities (NIC-08 Div. 68)	248	
educational activity (NIC-08 Div. 85)	249	
human health and social work activity (NIC-08 Div. 86-88)	250	
other activities [NIC-08 Industries 37, 38, 39, 69-75, 77 (excluding 7740), 78, 79, 80, 81, 82, 90, 91, 92, 93, 94, 95, 96]	251	

[3] principal operating expenses during last 30 days ended on / last calendar month ended on (Rs. in whole number)

(1)	(2)	(3)
manufacturing activity (NIC-08 Div. 10-33, 01632)		
main raw materials consumed	Item no.	Value (Rs.)
	301	
	302	
	303	
	304	
other raw materials	305	
purchase value of the goods sold in the same condition as purchased	306	
total (items 301 to 306)	309	

trading activity (NIC-08 Div. 45-47)		
main commodities purchased	Item no.	Value (Rs.)
	311	
	312	
	313	
	314	
other commodities purchased	315	
total (items 311 to 315)	319	

transportation activities (NIC-08 Groups 492, 501, 502, excluding 49212, 49213)		
main items	Item no.	Value (Rs.)
petrol, diesel, lubricants, etc.	321	
tyres , tubes, batteries etc.	322	
repair and maintenance of transport equipment	323	
toll tax, octroi, local fees, insurance charges etc.	324	
charges paid towards storage of goods, parking of vehicles etc.	325	
total (items 321 to 325)	329	

warehousing and support activities for transportation (NIC-08 Div. 52)		
main items	Item no.	Value (Rs.)
consumable stores used in the warehouse	331	
insurance charges	332	
expenses incurred for support activities for transportation	333	
total (items 331 to 333)	339	

[3] principal operating expenses during last 30 days ended on / last calendar month ended on (Rs. in whole number)

(1)	(2)	(3)
postal and courier activities (NIC-08 Div. 53)		
main items	Item no.	Value (Rs.)
charges for stationeries, postal articles etc.	341	
insurance charges	342	
others	343	
total (items 341 to 343)	349	

accommodation and food service activities (NIC-08 Div. 55-56)		
main items	Item no.	Value (Rs.)
articles consumed for food & drink preparation	351	
purchase value of goods traded	352	
crockery, glassware, bedding and other consumables	353	
fuels consumed	354	
total (items 351 to 354)	359	

information and communications (NIC-08 Div. 58-63)		
main items	Item no.	Value (Rs.)
call charges and rent payable (local call/ STD / ISD, cyber café, radio paging, cellular etc.)	361	
other expenses	362	
total (items 361 to 362)	369	

financial and insurance activities (NIC-08 Groups 643, 649, Div. 65, 66)		
main items	Item no.	Value (Rs.)
interest payments	371	
commission & brokerage	372	
insurance claims paid	373	
net changes in life insurance technical reserves [put (-) sign in case of negative value]	374	
service charges for work done by other concerns (contract, sub-contract, legal, audit, accounting services, etc.)	375	
others (e.g., electricity, communication, travelling, printing etc.)	376	
total (items 371 to 376)	379	

real estate activities (NIC-08 Div. 68)		
main items	Item no.	Value (Rs.)
maintenance of building, machinery and equipment	381	
other expenses (travelling, hospitality, legal etc.)	382	
total (items 381 to 382)	389	

[3] principal operating expenses during last 30 days ended on / last calendar month ended on (Rs. in whole number)		
(1)	(2)	(3)
educational activity (NIC-08 Div. 85)		
main items	Item no.	Value (Rs.)
recurring expenses on laboratory and library	391	
recurring expenses on newspaper, journals, paper, printing, stationery etc.	392	
expenses on festivals like annual day, teachers' day, health check-up, etc.	393	
expenses on consumables used in computer, Xerox, cyclostyle, etc.	394	
total (items 391 to 394)	399	

human health and social work activity (NIC-08 Div. 86-88)		
main items	Item no.	Value (Rs.)
diet of patients	401	
medicine and drugs	402	
consumables used in operation theatre, sophisticated equipments, pathological, radiological and other diagnostic tests	403	
syringes, intra veins drip sets, cotton bandages, plastering materials and other disposables	404	
uniforms, linen and laundry materials	405	
health camps, seminar, workshop, awareness programmes and other social activities	406	
training, meeting, documentation, publication, nutritional expenses	407	
total (items 401 to 407)	409	

[4] other operating expenses during last 30 days ended on / last calendar month ended on (Rs. in whole number) (All other operating expenses not covered under block 3 will be recorded here)		
items	Item no.	Value (Rs.)
(1)	(2)	(3)
electricity charges	411	
fuel and lubricant	412	
raw materials consumed for own construction of building, furniture and fixtures (including labour charges)	413	
minor repair and maintenance of	building	414
	plant and machinery	415
	transport equipment	416
	tools and other fixed assets	417
	Information, computer and telecommunication equipment (ICT)	418
rental payable on fixed assets (other than land and building)	421	
service charges for work done by other concerns (contract, sub-contract, legal, audit, advertising and other accounting services, warehousing expenses, commission expenses, etc.)	422	
travelling, freight and cartage (transport) expenses	423	
communication expenses (telephone, telegram, fax , postal, courier , e-mail etc.)	424	
purchase of consumable stores, packing materials, etc.	425	
paper, printing and stationery expenses	426	
insurance charges	427	
other expenses	428	
total (items 411 to 428)	429	
taxes on production (recurrent taxes on land, buildings or other structures, business or professional licence fees, road tax, registration fee of vehicles etc.) [excise duties and other indirect taxes are not to be included]	431	

Note 3: Apart from the industries mentioned in block 3, this block will also be applicable for NIC-08 Industries 37, 38, 39, 69-75, 77 (excluding 7740), 78, 79, 80, 81, 82, 90, 91, 92, 93, 94, 95, 96.

Note 4: Please take care that there is no duplication of entries in similar items like 321 and 412, 323 and 416, 342 and 427 etc.

[5] principal receipts during last 30 days ended on / last calendar month ended on (Rs. in whole number)		
(1)	(2)	(3)
manufacturing activity (NIC-08 Div. 10-33, 01632)		
main products and by-products manufactured	Item no.	Value (Rs.)
	501	
	502	
	503	
	504	
other products/ by-products	505	
sale value of the goods sold in the same condition as purchased	506	
sub-total (items 501 to 506)	509	
opening stock of semi-finished goods	511	
closing stock of semi-finished goods	512	
changes in stock of semi-finished goods (item 512 – item 511) put (–) sign in case of negative value	513	
total (item 509 + item 513)	519	
trading activity (NIC-08 Div. 45-47)		
main commodities sold	Item no.	Value (Rs.)
	521	
	522	
	523	
	524	
other commodities sold	525	
sub-total (items 521 to 525)	529	
opening stock of trading goods	531	
closing stock of trading goods	532	
changes in stock of trading goods (item 532 – item 531) (put (–) sign in case of negative value)	533	
total (item 529 +item 533)	539	
transportation activities (NIC-08 Groups 492, 501, 502, excluding 49212, 49213)		
main items	Item no.	Value (Rs.)
earnings from passenger traffic	541	
earnings from goods traffic	542	
total (items 541 to 542)	549	

[5] principal receipts during last 30 days ended on / last calendar month ended on (Rs. in whole number)

(1)	(2)	(3)
warehousing and support activities for transportation (NIC-08 Div. 52)		
main items	Item no.	Value (Rs.)
storage charges received	551	
service charges received for support activities for transportation	552	
total (items 551 to 552)	559	

postal and courier activities (NIC-08 Div. 53)

main items	Item no.	Value (Rs.)
charges received from customers for postal and courier activities	561	
others	562	
total (items 561 to 562)	569	

accommodation and food service activities (NIC-08 Div. 55-56)

main items	Item no.	Value (Rs.)
lodging charges, rent receivable for hiring out rooms and halls for functions, conferences and receipts from services provided like transport / travel arrangements, laundry services, gym, spa, hair dressing, swimming pool, entertainment, etc.	571	
receipts from sale of prepared food, refreshment and drinks	572	
receipts from trading of purchased food, refreshment, drinks, etc.	573	
receipts from catering services outside	574	
total (items 571 to 574)	579	

information and communications (NIC-08 Div. 58-63)

main items	Item no.	Value (Rs.)
charges receivable from customers (STD / ISD / courier/ fax / internet etc.)	581	
other receipts	582	
total (items 581 to 582)	589	

financial and insurance activities (NIC-08 Groups 643, 649, Div. 65, 66)

main items	Item no.	Value (Rs.)
interest receipts (cash and kind)	591	
dividend receipts	592	
lease income	593	
brokerage and commission	594	

[5] principal receipts during last 30 days ended on / last calendar month ended on (Rs. in whole number)		
(1)	(2)	(3)
net profit in share dealing	595	
income earned on chit funds	596	
net earnings from hire purchase finance	597	
premium received	598	
supplementary premium received	601	
others (e.g. consultancy, receipts from non-financial activities, if any)	602	
total (items 591 to 602)	609	
real estate activities (NIC-08 Div. 68)		
main items	Item no.	Value (Rs.)
receipts from services provided (including rent on land and building)	611	
brokerage and commission charges	612	
total (items 611 to 612)	619	
educational activity (NIC-08 Div. 85)		
main items	Item no.	Value (Rs.)
tuition fees	621	
other fees (including development fees, transport fees, laboratory fees, examination fees, fines, library fee, etc.)	622	
funding/ donations from individuals and non-govt. institutions	623	
total (items 621 to 623)	629	
human health and social work activity (NIC-08 Div. 86-88)		
main items	Item no.	Value (Rs.)
consultation fees and charges for medicines	631	
charges for operation theatre, and other special procedures	632	
charges for ward, cabin, pathological, radiological and other diagnostic tests, diet, nursing, physiotherapy and rehabilitation, etc	633	
fees for training (nurses, paraprofessionals, etc.)	634	
donations/ grants from individuals and institutions	635	
total (items 631 to 635)	639	

[6] other receipts during last 30 days ended on / last calendar month ended on (Rs. in whole number) (All other receipts of the enterprise not covered under block 4 will be recorded here.)		
other receipts	Item no.	Value (Rs.)
(1)	(2)	(3)
receipts from services provided to others including commission charges	641	
change-in-stock of semi-finished goods (applicable for servicing enterprises engaged in software generation, motion picture production etc.)	642	
value of own construction of building, furniture and fixtures	643	
rental receivable on fixed assets (other than land and building)	644	
funding/ donations from individuals and non-govt. institutions	645	
Govt. grants (<i>excluding</i> capital transfers like building fund, etc.)	646	
other receipts	647	
total (items 641 to 647)	649	
production subsidy/ interest subsidy	651	

Note 5: Apart from the industries mentioned in block 5, this block will also be applicable for NIC-08 Industries 37, 38, 39, 69-75, 77 (excluding 7740), 78, 79, 80, 81, 82, 90, 91, 92, 93, 94, 95, 96.

Note 6: Please take care that there is no duplication of entries in similar items like 623 and 645, 635 and 645, etc.

[7] calculation of gross value added during last 30 days ended on / last calendar month ended on (Rs. in whole number)		
items	Item no.	Value (Rs.)
(1)	(2)	(3)
total receipts: [items(519+539+549+559+569+579+589+609+619+629+639+649)]	701	
total operating expenses: [items 309+319+329+339+349+359+369+379+389+399+409+429]	702	
distributive expenses, if any (@)	703	
gross value added (item 701 – item 702 –item 703) put (–) sign in case of negative value	709	

@ includes excise duties, sales tax, non-deductible vat, outward freight and transport charges, commission to selling agents etc.

[8] employment particulars of the enterprise during last 30 days ended on / last calendar month ended on						
type of worker	Item no.	average number of workers				
		full time		part time		total
		female	male	female	male	(cols. 3 to 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
working owner	801					
formal hired worker	802					
informal hired worker	803					
other worker / helper	804					
total (items 801 to 804)	809					

[9] compensation to workers during last 30 days ended on month ended on			
type of emoluments	Item no.		value (Rs)
(1)	(2)		(3)
salary / wages, house rent allowances, transport allowance, bonus and other individual benefits directly payable to the worker (cash & kind)	working owner	901	
	formal hired worker	902	
	informal hired worker	903	
	sub-total (items 901 to 903)	909	
contribution to insurance, provident fund and other social security schemes (average for a month)	working owner	911	
	formal hired worker	912	
	sub-total (items 911 to 912)	919	
Employer's contribution to canteen, health clinic, child care centre, etc. (average for a month)	working owner	921	
	formal hired worker	922	
	informal hired worker	923	
	other worker / helper	924	
	sub-total (items 921 to 924)	929	
total emoluments (items 909 + 919 + 929)	939		

[10] fixed assets owned and hired as on the last date of reference year (Rs. in whole number)					
type of asset	Item no.	market value of assets (Rs) as on the last date of reference year		*net additions to owned assets during last 365 days / last year (Rs)	monthly rental payable on hired assets (Rs)
		owned	hired		
(1)	(2)	(3)	(4)	(5)	(6)
land and building	1001				
plant and machinery	1002				
transport equipment	1003				
tools and other fixed assets	1004				
software and database	1005				
information, computer and telecommunications equipment	1006				
capital work in progress	1007				
total (1001 to 1007)	1009				

* net addition can either be positive or negative.

[11] loan outstanding as on the last date of the reference year (Rs. in whole number)			
sources of loan	Item no.	amount (Rs)	interest payable during the last 30 days / last calendar month (Rs)
(1)	(2)	(3)	(4)
central and state level term lending institutions	1101		
government (central, state, local bodies)	1102		
commercial banks	1103		
co-operative banks and societies	1104		
micro-finance institutions	1105		
other institutional agencies	1106		
money lenders	1107		
business partner(s)	1108		
suppliers / contractors	1109		
friends and relatives	1110		
others	1111		
total (1101 to 1111)	1119		

[12] factor incomes of the enterprise during last 30 days ended on / last calendar month ended on (Rs. in whole number)		
type of factor income	Item no.	value (Rs)
(1)	(2)	(3)
emoluments (item 939, col.3 of block 9)	1201	
rent payable (item 1001, col.6 of block 10)	1202	
interest payable (item 1119, col. 4 of block 11)	1203	
net surplus	1204	
total (items 1201 to 1204)	1209	

[13] particulars of use of information and communication technology (ICT) by the enterprise during last 365 days ended on / last year		
main items	Item no.	(yes-1, no-2)
(1)	(2)	(3)
did the enterprise use computer/s during <reference period>	1301	
did the enterprise use the Internet during <reference period>?	1302	
does the enterprise have a web presence as on the date of survey?	1303	
does the enterprise have an intranet as on the date of survey?	1304	
did the enterprise receive orders for goods or services (that is, make sales) via the Internet during <reference period>?	1305	
did the enterprise place orders for goods or services (that is, make purchases) via the Internet during <reference period>?	1306	
how did the enterprise connect to the Internet during <reference period>?		
narrowband	1307	
fixed broadband	1308	
mobile broadband	1309	
does the enterprise have a local area network (LAN) as on the date of survey?	1311	
does the enterprise have an extranet as on the date of survey?	1312	
for which of the following activities did the enterprise use the Internet during <reference period>?		
sending and receiving e-mail	1313	
telephoning over the Internet/VoIP, including video conferencing	1314	
getting information about goods and services	1315	
getting information from general government organizations	1316	

[13] particulars of use of information and communication technology (ICT) by the enterprise during last 365 days ended on / last year		
main items	Item no.	(yes-1, no-2)
(1)	(2)	(3)
interacting with general government organizations	1317	
internet banking	1318	
accessing other financial services	1319	
providing customer services	1321	
delivering products online	1322	
internal or external recruitment	1323	
staff training	1324	
		number
<average> number of persons employed who routinely used computers during <reference period>.	1325	
<average> number of persons employed who routinely used the Internet at work during <reference period>.	1326	

Item No.	Explanatory Notes
1301	A computer refers to a desktop or a laptop computer. It does not include equipment with some embedded computing abilities such as mobile cellular phones, personal digital assistants (PDA) or TV sets.
1302	The Internet is a worldwide public computer network. It provides access to a number of communication services including the World Wide Web and carries email, news, entertainment and data files, irrespective of the device used (not assumed to be only via a computer - it may also be by mobile phone, games machine, digital TV, etc.). Access can be via a fixed or mobile network.
1303	A web presence includes a website, home page or presence on another entity's website (including a related business). It excludes inclusion in an on-line directory of any other webpages where the business does not have control over the content of the page.
1304	An intranet refers to an internal communications network using Internet protocols and allowing communication within an organization (and with other authorized persons). It is typically set up behind a firewall to control access.
1305	Orders received include orders received via the Internet whether or not payment was made online. They include orders received via websites, specialized Internet marketplaces, extranets, EDI over the Internet, Internet-enabled mobile phones and email. They also include orders received on behalf of other organizations – and orders received by other organizations on behalf of the business. They exclude orders that were cancelled or not completed.
1306	Orders placed include orders placed via the Internet whether or not payment was made online. They include orders placed via websites, specialized Internet marketplaces, extranets, EDI over the Internet, Internet-enabled mobile phones and email. They exclude orders that were cancelled or not completed.
1307	Narrowband includes analogue modem (dial-up via standard phone line), Integrated Services Digital Network (ISDN), Digital Subscriber Line (DSL) at speeds below 256 kbit/s, and mobile phone and other forms of access with an advertised download speed of less than 256 kbit/s. Narrowband mobile phone access services include CDMA 1x (Release 0), GPRS, WAP and imode
1308	Fixed broadband refers to technologies such as DSL, at speeds of at least 256 kbit/s, cable modem, high speed leased lines, fibre-to-the-home, powerline, satellite, fixed wireless, Wireless Local Area Network (WLAN) and WiMAX.
1309	Mobile broadband access services include Wideband CDMA (W-CDMA), known as Universal Mobile Telecommunications System (UMTS) in Europe; High-speed Downlink Packet Access (HSDPA), complemented by High-Speed Uplink Packet Access (HSUPA); CDMA2000 1xEV-DO and DCMA 2000 1xEV-DV. Access can be via any device (mobile cellular phone, laptop, PDA, etc.
1311	A LAN refers to a network connecting computers within a localized area such as a single building, department or site; it may be wireless.
1312	An extranet is a closed network that uses Internet protocols to share securely a business' information with suppliers, vendors, customers or other business partners. It can take the form of a secure extension of an intranet that allows external users to access some parts of it. It can also be a private part of the business' website, where business partners can navigate after authentication.
1314	VoIP refers to Voice over Internet Protocol

Item No.	Explanatory Notes
1317	Includes downloading/requesting forms online, making online payments and purchasing from, or selling to, government organizations. It excludes getting information from government organizations.
1318	Includes electronic transactions with a bank for payment, transfers, etc. or for looking up account information.
1319	Includes electronic transactions via the Internet for other types of financial services such as purchasing shares (stocks), financial services and insurance.
1321	Includes providing online or emailed product catalogues or price lists, product specification or configuration online, after-sales support, and order tracking online.
1322	Refers to products delivered over the Internet in digitized form, e.g. reports, software, music, videos, computer games; and online services, such as computer-related services, information services, travel bookings or financial services.
1323	Including providing information about vacancies on an intranet or website, and allowing online applications
1324	Includes e-learning applications available on an intranet or from the World Wide Web.

[14] particulars of field operations													
srl. no.	particulars	Investigator / Asst. Superintending Officer						Supervisory Officer					
(1)	(2)	(3)						(4)					
1401	(i) name in block letters												
	(ii) code												
	date(s) of	D	D	M	M	Y	Y	D	D	M	M	Y	Y
1402	(i) survey / inspection												
1403	(ii) receipt												
1404	(iii) scrutiny												
1405	(iv) despatch												
1406	total time taken to canvass Sch. 2.34 (minutes)												
1407	whether schedule contains remarks (yes-1, no-2)	in block 15			elsewhere in the schedule			in block 16			elsewhere in the schedule		
1408	signature												

[15] remarks by Investigator/ Asstt. Superintending Officer

[16] comments by Supervisory Officer(s)



NSS DIVISION
Department of Economics and Statistics
Government of Kerala