



**Report Based on NSS 73rd Round (July 2015 to June 2016)
Central and State Sample Pooled Data**

**UNINCORPORATED
NON-AGRICULTURAL ENTERPRISES
(EXCLUDING CONSTRUCTION)
IN KERALA**



GOVERNMENT OF KERALA

Report based on NSS 73rd round (July 2015-June 2016)

Central and State Sample Pooled Data

**Unincorporated
Non-agricultural Enterprises
(Excluding Construction)
in Kerala**

NSS DIVISION

Department of Economics and Statistics

Government of Kerala

Preface

National Statistical Office (NSO) 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 (DES) had been participating these surveys with state samples on a matching basis from the very beginning itself. 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 Central and State sample data would enable better estimates at lower sub state level, particularly at district level.

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 73rd round survey on 'Unincorporated Non Agricultural Enterprises excluding Construction'. Through the pooling exercise district level pooled estimates of some important characteristics such as Number of workers and Gross Value Added of Unincorporated nonagricultural enterprises in Kerala were generated.

This report consists of four chapters and three appendices. Chapter I of the report is introductory. 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 explained in chapter IV. Appendix A consists of the pooled data tables. The sampling design and estimation procedure are explained in Appendix B and a facsimile of the schedule of enquiry in the field is in Appendix C.

This report was prepared using the valuable data collected by conscientious field staff under admirable co-operation extended by sample households and entrepreneurs of the selected enterprises. The technical assistance provided by National Sample Survey Office (NSSO) is also acknowledged.

I hope that this report will found useful to policy makers, academicians and researchers.



Thiruvannthapuram

P.V. Babu

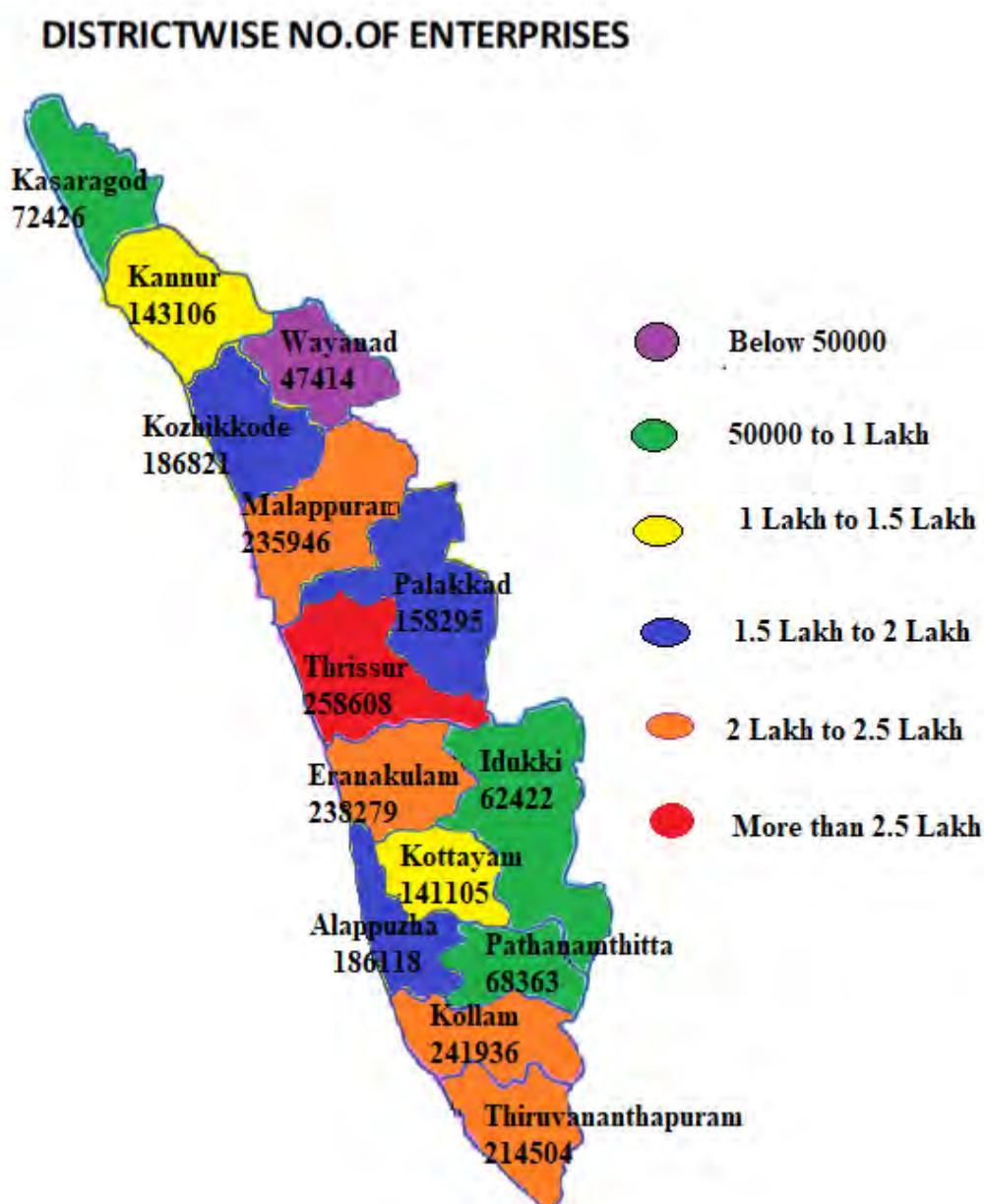
Date: 18/01/2021

Director

Highlights

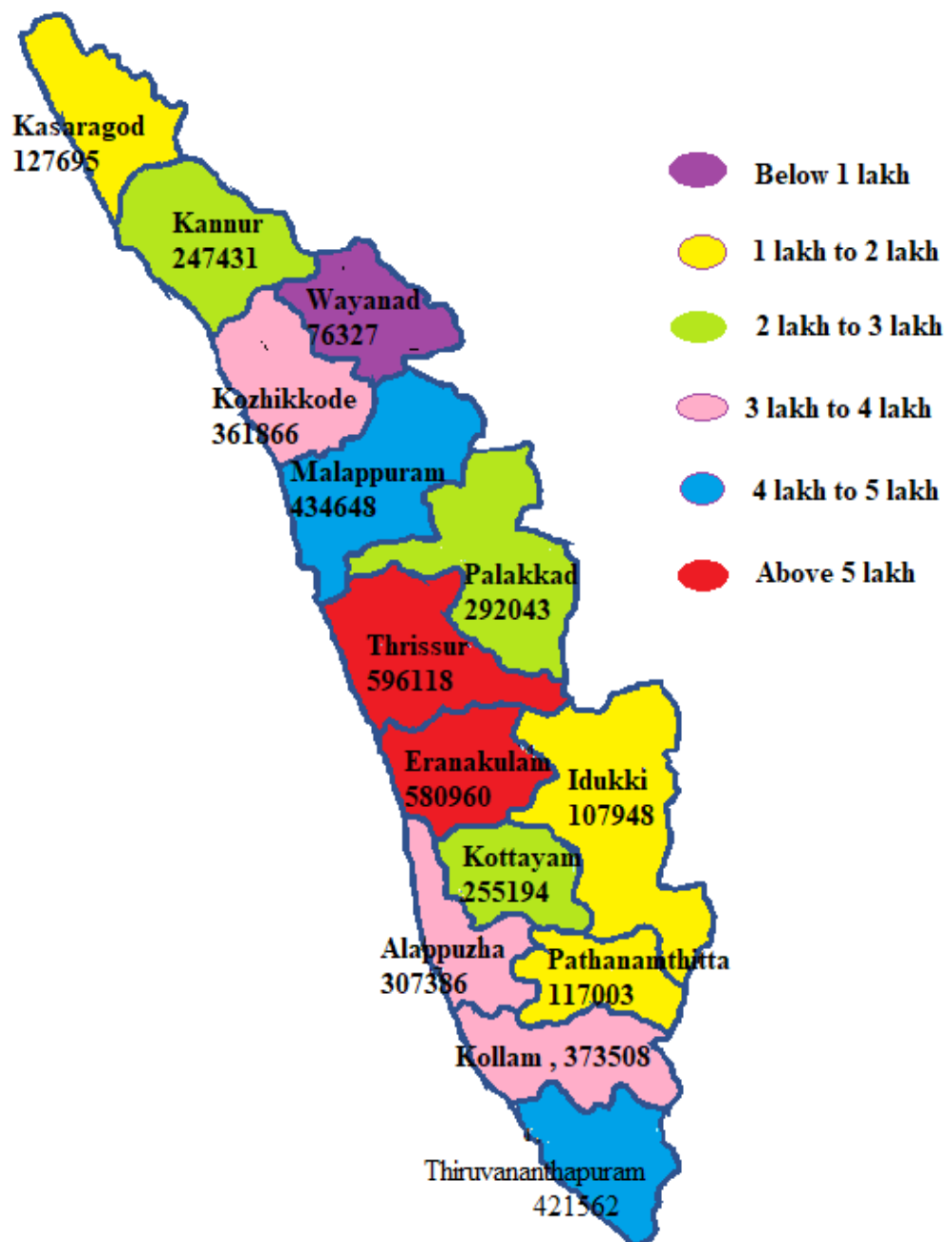
Pooling of NSS 73rd round (July 2015-June 2016) unincorporated non-agricultural enterprises survey data of Central and State samples enlightened the following facts.

- Estimated number of unincorporated non-agricultural enterprises all over Kerala is 2255343, out of which 998562 are situated in rural sector and 1256781 in urban sector. Among the districts, Thrissur and Wayanad hold the highest and lowest position in this category.



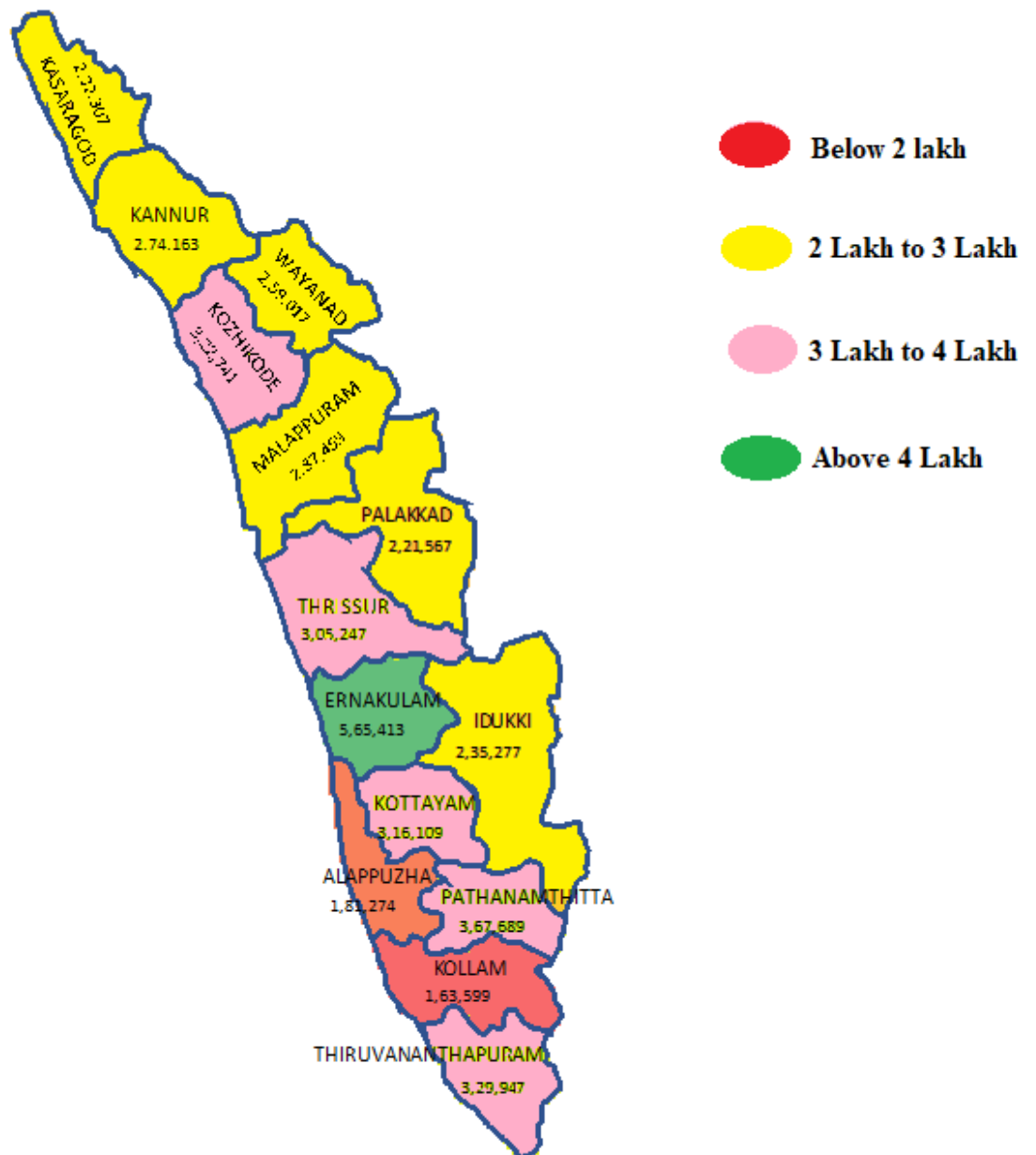
- Estimated number of workers engaged in unincorporated non- agricultural enterprises all over Kerala is 4299689 out of which 1669211 are working in rural sector and 2630478 are in urban sector. The share of number of workers in manufacturing sector is 22.87 %, trade is 31.33% and that in other services is 45.79 %.

DISTRICTWISE NUMER OF WORKERS



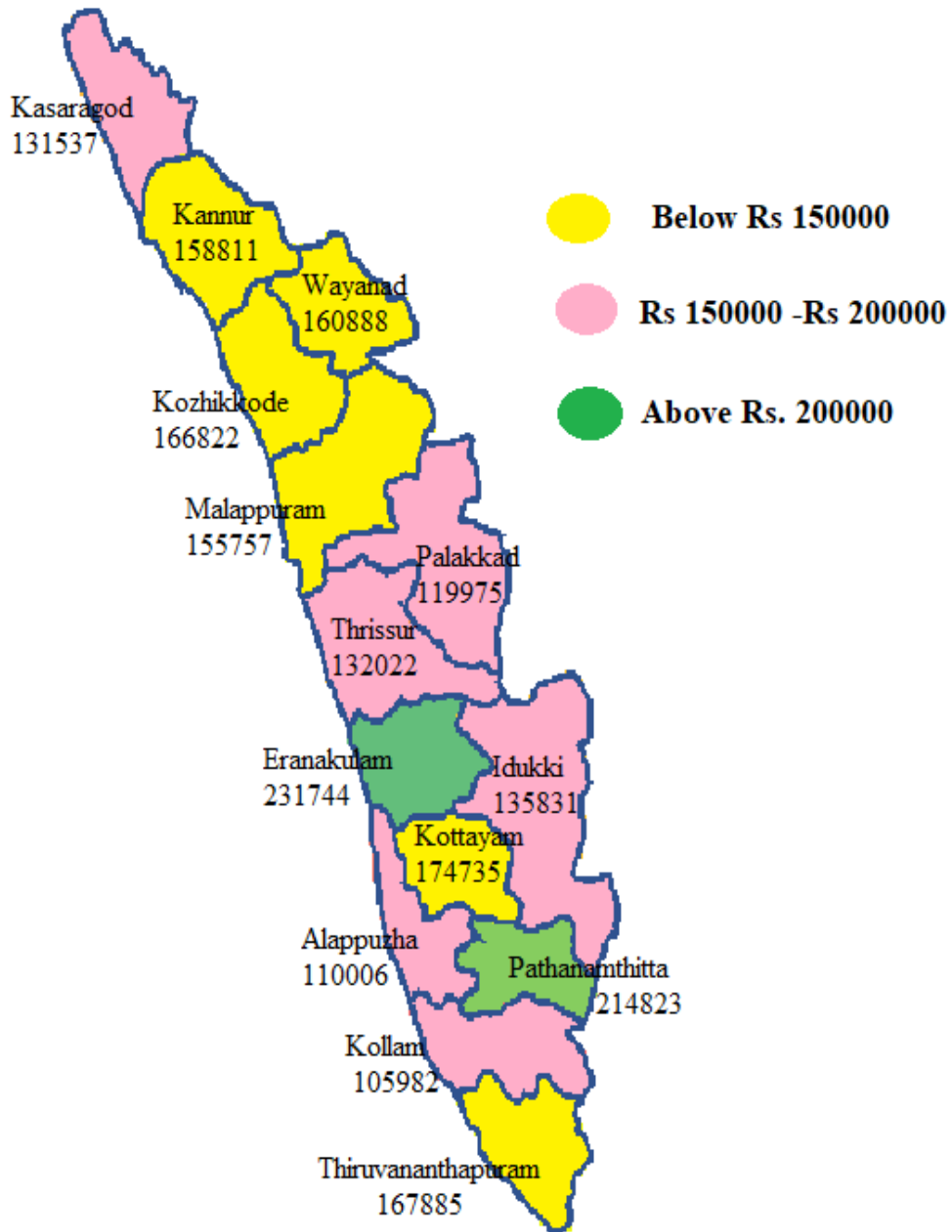
- GVA per enterprise in rural sector combining both OAE and EST is Rs.213606 and in urban sector it is Rs. 366333. All over Kerala GVAPE is estimated as Rs.298710. Among the districts, Ernakulam stands with highest GVAPE and Kollam having the lowest GVAPE considering all the sectors together.

Gross Value Added Per Enterprise:GVAPE



➤ State level annual GVAPW in manufacturing sector is Rs.105763, trading sector it is Rs.187695 and in service sector it is Rs. 160773. Considering all sectors together, Ernakulam stands with highest GVAPW and Kollam stands with the lowest GVAPW. All over Kerala GVAPW is estimated as Rs.156609

Gross Value Added Per Worker :GVAPW



Contents

Chapter		Page No.
1	Introduction	1
2	Conceptual framework	7
3	Procedure of Pooling & Poolability test	14
4	Summary of findings	25

Appendix

A	Detailed Pooled Tables *	44
B	Note on Sample design and Estimation Procedure	254
C	Facsimile of Schedule 2.34	279

*List overleaf



Table No.	Description	Page No.
<i>District wise pooled tables</i>		
1	<i>District wise estimated number of Enterprises& Workers by Broad Activity Category - Rural, Urban & Combined</i>	44
2	<i>District wise Annual Gross Value Added Per Worker by Broad Activity Category - Rural, Urban & Combined</i>	59
3	<i>District wise Annual Gross Value Added Per Enterprise by Broad Activity Category - Rural, Urban & Combined</i>	104
4	<i>District wise estimate of Annual emoluments per hired worker by enterprise type for each Broad Activity Category - Rural, Urban & Combined</i>	149
<i>Compilation category wise pooled tables</i>		
5	<i>Compilation category wise estimated number of workers& Enterprises-Rural, Urban & combined</i>	194
6	<i>Compilation category wise estimate of gross value added per worker - Rural, Urban & combined</i>	200
7	<i>Compilation category wise estimate of gross value added per enterprise - Rural, Urban & combined</i>	218
8	<i>Compilation category wise estimate of emoluments per hired worker - Rural, Urban & combined</i>	236

List of Abbreviations used in this report

<i>Abbreviation</i>	<i>Description</i>
DES	Department of Economics and Statistics
NSO	National Statistical 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 1

Introduction

Introduction

National Statistical Office (NSO) conducts National Sample Surveys (NSS) on various subjects 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, State governments were invited to participate in the survey with matching samples to fulfil the rapidly growing demands of micro level estimates, which is essential for proper planning and policy making. Department of Economics and Statistics 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.

NSS 73rd round survey

The seventy-third round of NSS is devoted exclusively to an integrated survey on economic and operational characteristics of unincorporated non-agricultural enterprises in manufacturing, trade and other services sectors (excluding construction) to supplement the corporate sector data. This will help National Accounts Division (NAD) of Central Statistics Office to compute important components of national accounts. The last such survey was conducted during NSS 67th round (July 2010 – June 2011).

The survey will cover the following broad categories: (a) Manufacturing enterprises excluding those registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948 (b) Manufacturing enterprises registered under Section 85 of Factories Act, 1948 (c) Enterprises engaged in cotton ginning, cleaning and baling (code 01632 of NIC- 2008) excluding those registered under Factories Act, 1948 (d) Enterprises manufacturing beedi and cigar excluding those registered under beedi and cigar workers (conditions of employment) Act, 1966 (e) Non captive electric power generation, transmission and distribution by units not registered with the Central Electricity Authority (CEA) (f) Trading enterprises (g) Other Service sector enterprises excluding construction

Categories of enterprises under coverage in (a) to (g) above will be:

(a) Proprietary and partnership enterprises [excluding Limited Liability Partnership (LLP) enterprises] (b) Trusts, Self-Help Groups (SHGs), Non-Profit Institutions (NPIs), etc.

Following enterprises will be excluded from the coverage: (a) Enterprises which are incorporated i.e. registered under Companies Act, 1956 (b) The electricity units registered with the Central Electricity Authority (CEA) (c) Government and public sector enterprises (d) Cooperatives

[All acts are subject to subsequent amendments, if any]

73rd round pooling

The present exercise of pooling is based on the central and state sample data of NSS 73rd round survey on Unincorporated Non-agricultural Enterprises conducted during July 2015 – June 2016. DES Kerala under taken the present pooling exercise by the technical assistance provided by DPD. 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 district wise 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 .

Sample size: Total sample size of Kerala State for central and state sample are given below:

Sector	Central sample		State sample	
	FSU allotted	Enterprise surveyed	FSU allotted	Enterprise surveyed
Rural	376	8386	376	7953
Urban	236	5437	236	5360

Compilation Category: Compilation category used for generating state level results are as follows:

New CC No.	Prev CC No.	Compilation Category	NIC 2008
1	2	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats	101-104
2	3	Manufacture of dairy products	105
3	4	Manufacture of grain mill products, etc. and animal feeds	106+108
4	5	Manufacture of other food products	107
5	6	Manufacture of beverages	11
6	7	Manufacture of tobacco products	12
7	1,8(p)	Manufacture of textiles + cotton ginning	13+01632
8	8(p),9	Manufacture of wearing apparel, except custom tailoring	14-14105
9	10(p)	Manufacture of leather and related products	15
10	17	Manufacture of Basic Iron and Steel + Casting of iron and steel	241+2431
11	18	Manufacture of basic precious and non-ferrous metals + Casting of non-ferrous metals	242+2432
12	20	Manufacture of fabricated metal products, except machinery and equipments	25
13	22(p)	Manufacture of electronic component, consumer electronics, magnetic and optical media	261+264+268
14	22	Manufacture of computer and peripheral equipment	262
15	22(p)	Manufacture of communication equipments	263
16	23	Manufacture of optical and electronics products n.e.c	265+266+267
17	22	Manufacture of Electrical equipments	27
18	21	Manufacture of machinery and equipments n.e.c	28
19	24	Manufacture of Transport	29+30
20	14(p)	Manufacture of coke and refined petroleum products	19
21	15.1	Manufacture of chemical and chemical products except pharmaceuticals, medicinal and botanical products	20
22	15.2	Manufacture of pharmaceutical; medicinal chemicals and botanical products	21
23	14(p)	Manufacture of rubber & plastic products	22
24	16	Manufacture of other non-metallic mineral products	23
25	11	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting material	16
26	13.1	Manufacture of paper and paper products	17
27	13.2	Printing and reproduction of recorded media except publishing	18
28	12	Manufacture of furniture	31
29	23(p)	Other Manufacturing	32
30	20 to 23 part	Repair and installation of machinery and equipments	33
31	25	Maintenance and Repair of motor vehicles and motor cycles	452+45403
32	26	Sale of motor vehicles and motor cycles	45-45403-452+473
33	27	Whole sale trade except of motor vehicles and motor cycles	46
34	29	Retail sale trade except of motor vehicles and motor cycles	47-473
35	28	Repair of computers and personal and household goods	95
36	30,31	Hotels & Restaurants	55,56
37	32	Transport via Railways	491
38	33	Scheduled passenger land transport	4921
39	34,36	Non-scheduled passenger land transport	4922
40	35	Motorised freight transport	49231

New CC No.	Prev CC No.	Compilation Category	NIC 2008
41	37	Non-motorized freight transport	49232
42	38	Transport via pipelines	493
43	39	Water Transport	50
44	40	Air Transport	51
45	41	Storage & Warehousing	521
46	42	Services incidental to transport	522
47	43	Postal activities	531
48	44	Courier activities	532
49	45	Activities of cable operators	61103
50	46	Telecommunication	61-61103
51	Part of 13,49,58	Recording, Publishing and Broadcasting services	58,59,60
52	47	Real Estate activities	68
53	49	Computer related services	62,63
54	50	Legal activities	691
55	51	Accounting & book keeping activities	692
56	52	Research and development and other professional, scientific and technical services	70 to 75
57	48	Rental and leasing services	77
58	Part of 52	Administrative and support services excluding rental and leasing services	78 to 82
59	53		85491
60	Coaching / Academic tutoring services		85-85491
61	Education other than coaching	Human health activities and care services with/without accommodation	86,87,88
62	58	Recreational, cultural and sporting activities	90,91,92,93
63	57	Activities of membership organizations	94
64	59	Washing & cleaning of textiles and fur products	9601
65	60	Hair dressing and other beauty treatment	9602
66	61	Custom tailoring	14105
67	62	Other personal service activities	9609,9603
68	63	Private households with employed persons	97
69	56	Sewerage, waste management and remediation activities	37,38,39

Lay out of this report

This report contains four 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 were described in chapter III. District wise and compilation category wise estimates of selected indicators were given in chapter IV. 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.

Chapter 2

Conceptual Frame Work

2.1. Subject Coverage: The coverage of NSS 73rd round (July 2015 – June 2016) is unincorporated non-agricultural enterprises belonging to three sectors viz., Manufacturing, Trade and Other Services (excluding construction).

The survey covered the following broad categories:

- (a) Manufacturing enterprises excluding those registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948
- (b) Manufacturing enterprises registered under Section 85 of Factories Act, 1948
- (c) Enterprises engaged in cotton ginning, cleaning and baling (code 01632 of NIC- 2008) excluding those registered under Factories Act, 1948
- (d) Enterprises manufacturing beedi and cigar excluding those registered under beedi and cigar workers (conditions of employment) Act, 1966
- (e) Non captive electric power generation, transmission and distribution by units not registered with the Central Electricity Authority (CEA)
- (f) Trading enterprises
- (g) Other Service sector enterprises excluding construction

Categories of enterprises under coverage in (a) to (g) above will be:

- (a) Proprietary and partnership enterprises [excluding Limited Liability Partnership (LLP) enterprises]
- (b) Trusts, Self-Help Groups (SHGs), Non-Profit Institutions (NPIs), etc.

Following enterprises excluded from the coverage:

- (a) Enterprises which are incorporated i.e. registered under Companies Act, 1956
- (b) The electricity units registered with the Central Electricity Authority (CEA)
- (c) Government and public sector enterprises
- (d) Cooperatives

Coverage of the survey in terms of NIC – 2008 codes (considering the corrigendum as issued on 3rd May, 2011) is as follows:

A. NIC 2008 codes under coverage of the survey

Division/ Group	Description
10	<i>Manufacture of Food Products</i>
11	<i>Manufacture of Beverages</i>
12	<i>Manufacture of Tobacco Products</i>
13	<i>Manufacture of Textiles</i>
14	<i>Manufacture of Wearing Apparel</i>
15	Manufacture of Leather and Related Products
16	Manufacture of Wood and 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
3510	Electric power generation, transmission and distribution (except 35101, 35102, 35104)
01632	Cotton Ginning, Cleaning and Baling
	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

A. NIC 2008 codes under coverage of the survey

Division/ Group	Description
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	Broadcasting and Programming Activities
62	Computer Programming, Consultancy and Related Activities
63	Information Service Activities
64193	Special code for Chit funds
643	Trusts, Funds and Other Financial Vehicles (including special codes 64309 for self-help groups)
649	Other Financial Service Activities Except Insurance and Pension Funding Activities (including special codes 64921 for investment club, 64929 for activities of private moneylenders)
661	Activities Auxiliary to Financial Service Activities, except Insurance and Pension Funding (excluding 6611)
6621	Risk and Damage Evaluation
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

<i>A. NIC 2008 codes under coverage of the survey</i>	
Division/ Group	<i>Description</i>
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 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 Organizations (excluding 9492 and part of 9491 relating to organization)
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 excluding 35103, 35105, 35106, 35107, 35109);

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 (excluding special code 64193), 642, 65, 6611, 6622, 6629, 774, 942, 9491(organizations only), 9492

2.2 Concepts and Definitions:

Important concepts and definitions relevant to different schedules of this survey are explained below.

2.2.1 Population coverage: The following rules regarding the population/households to be covered are to be remembered while visiting households for the purpose of listing of households and enterprises:

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

2.2.2 **House:** Every structure, tent, shelter, etc. is a house irrespective of its use. It may be used for residential or non-residential purpose or both or even may be vacant.

2.2.3 **Household:** A group of persons normally living together and taking food from a common kitchen will constitute a household. It will include temporary stay-aways (those whose total period of absence from the household is expected to be less than 6 months) but exclude temporary visitors and guests (expected total period of stay less than 6 months). Even though the determination of the actual composition of a household will be left to the judgment of the head of the household, the following procedures will be adopted as guidelines.

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

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

(iii) A resident employee, or domestic servant, or a paying guest (but not just a tenant in the household) will be considered as a member of the household with whom he or she resides even though he or she is 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 takes food with his or her family, he or she should be treated not as a single member household but as a member of the household in which other members of his or her family stay.

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

2.2.4 **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.

2.2.5 **Non-agricultural enterprise:** All enterprises covered under Sections 'C' to 'S' of NIC-2008 are "non-agricultural enterprises". The NIC-2008 booklet may be used for recording NIC codes in various schedules. All non-agricultural enterprises will henceforth be referred to as NAE for this survey.

2.2.6 **Unincorporated non-agricultural enterprises:** Non-agricultural enterprises which are not incorporated (i.e. registered under Companies Act, 1956) will only be covered. Further, the domain of

'unincorporated enterprises' will exclude (a) enterprises registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948 or beedi and cigar manufacturing enterprises registered under beedi and cigar workers (conditions of employment) Act, 1966 or Limited Liability Partnership Act, 2008, (b) government/public sector enterprises and (c) cooperatives. Thus coverage will be 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 will be covered.

2.2.7 Manufacturing Enterprise: A manufacturing enterprise is 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. Also included are units primarily engaged in maintenance and repair of industrial, commercial and similar machinery & equipment, which are, in general, classified in the same class of manufacturing as those specialising in manufacturing the goods.

Thus all activities covered by NIC – 2008 divisions 10 to 33 and 35 of NIC- 2008 will be considered as 'manufacturing' for the purpose of the survey. In addition, the activity of cotton ginning, cleaning and bailing (NIC - 2008 code 01632) will be covered in the present survey. *It is important to note that production of goods for the sole purpose of domestic consumption will not be considered as manufacturing.*

2.2.8 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 will be treated as trade. 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 will also be treated as trade. Thus purchase and sale agents, brokers listed under NIC-08 division and auctioneers listed under NIC group will also be under the survey coverage.

2.2.9 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 E – U except section G (trade) are considered as *service activities other than trade*. However, 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

organizations and bodies) are excluded from coverage of this survey. Only unincorporated enterprises in the service sector under coverage as described in para 2.1 will be surveyed. Among these also, activities under certain NIC - 2008 codes are out of survey coverage: 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), 65 (insurance, reinsurance and pension funding), 6611 (administration of financial markets), 6622 (activities of insurance agents and brokers), 6629 (other activities auxiliary to insurance and pension funding), 774 (leasing of nonfinancial intangible assets), 942 (activities of trade unions), 9491 (activities of religious organizations [although activities of individuals are covered]), 9492 (activities of political organizations).

2.2.10 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 channelise funds from lenders to borrowers by intermediating between them.

2.2.11 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.

2.2.12 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 are not included in the current survey.

2.2.13 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.

2.2.14 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.

2.2.15 Non-directory establishment (NDE): An establishment having one to five workers (household and hired taken together, with at least one hired worker) is termed as a non-directory establishment.

2.2.16 Directory establishment (DE): A directory establishment is an establishment, which has six or more workers (household and hired taken together, with at least one hired worker).

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

2.2.18 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.

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

2.3 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, will be 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 will be classified as partnership enterprise. **Note that partnership enterprises registered under Limited Liability Partnership (LLP) Act, 2008 are excluded from coverage of the survey. Also, partnership enterprises registered under Factories Act, 1948 (other than Section 85) will be 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, ZillaParisad, City Corporation, Municipal authorities, etc., autonomous bodies like Universities, Education boards, and institutions like schools, libraries etc. set up by the government, panchayat, etc., will be treated 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, will be treated as private sector enterprises. An enterprise should not be treated 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 shall, for the purpose of this definition, be treated as a **single member**.]

(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. 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' organizations, research or testing laboratories or other organizations or institutes which engage in activities which are of mutual interest or benefit to the group of businesses that control and finance them.

1.4.21.1 Self-help Groups: A **self-help group (SHG)** is a financial intermediary usually composed of between 10-20 local persons. Most self-help groups are located in India, though SHGs can also be found in other countries, especially in South Asia and Southeast Asia.

Members make small regular savings contributions over a few months until there is enough capital in the group to begin lending. Funds are lent back to the members or at times to others. In India, many SHGs are 'linked' to banks for the hand 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)].

2.3.1 Activity of self-help groups

Self-help groups are essentially engaged in the **financial intermediation** i.e. the activity of the SHG is focussed to provide loans to the members and the members can utilise the loan for the purposes - personal or entrepreneurial.

However, an SHG may be formed initially and later all or some members may be engaged in group-based non-financial activities. Examples of such group-based activities are given below:

- i. Collective organization of marketing for the produce of **individual enterprises established using micro-credit**, particularly milk collection centers/ diary cooperatives at village level.
- ii. Collective activities of SHGs **using group credit** to access larger natural assets for production e.g. leasing lands and ponds for cultivation and pisciculture.
- iii. Other collective economic activities based on **group credit** that combines labour and management: stone-cutting, processing rice, managing a tent house etc.
- iv. 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.

For **self-help groups engaged in financial intermediation** and also when **all or some members of the group run group based activities**, the following guidelines may be followed:

While listing an SHG the following three cases may be found: -

- (a) SHG is engaged in financial activities only. In that case, it will be listed under financial intermediation.
- (b) An SHG is formed and later all or some members of the group are engaged only in some non-financial activity under survey coverage. In that case, the members will be treated as running a partnership enterprise.

- (c) An SHG is engaged in financial as well as non-financial activity. If accounts are separable, the SHG will be listed under financial intermediation for its financial activity. For the non-financial part, it will be treated as separate partnership enterprise. If separate accounts are not identifiable, the major activity will be decided based on the maximum turnover/employment.

2.3.2 **Determination of eligibility of an SHG**

An SHG will be considered as eligible enterprise for the purpose of survey if the total number of days of operation of that SHG in last 365 days is at least 15. Working days will 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

Generally, the SHG activities are coordinated by President/Secretary/Treasurer. In that case the SHG may be listed in the house of the President/Secretary/Treasurer. In case any such member is absent for an SHG it will be listed against the household of the member maintaining the accounts/records. If more than one person maintains the accounts/records, the SHG will be listed against the household of the senior-most member of the group.

2.3.3 **Determination of number of hired workers of an SHG**

In case of SHGs, if any member (including office bearers) performs the activities of the SHG by drawing remuneration, they will be treated as hired workers. Members of SHG who attend meetings regularly or participate in the activities of the SHG including decision making process without taking any remuneration will not be treated as a worker for the purpose of this survey. Instead they will be considered as 'active members of SHG'.

2.3.4 Investment Club: Investment clubs are a group of people who pool their money to make investments. Usually, investment clubs are organized as partnerships members usually meet on periodic basis and study different investments, to make investment decisions as a group. The decisions on buying and selling (investment) are made through voting process. Club meetings may be educational and each member may actively participate in investment decisions. The income and losses of the club are passed through to its partners and are reported on their individual tax returns.

Chapter III

Procedure of Pooling & Poolability test

3.2 Pooling procedure

Pooling is 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. At the State level, this will result in increased precision of the estimates and at disaggregated level, estimates will be more stable.

3.2. Parameters considered for pooling

The important parameters considered for pooling were

- i. Number of enterprises and workers by sector, enterprise type and broad activity category
- ii. Annual emoluments per hired worker in establishments by sector and broad activity category
- iii. Annual Gross Value Added per enterprise (GVAPE) by sector, enterprise type and broad activity category
- iv. Annual Gross Value Added per worker (GVAPW) by sector, enterprise type and broad activity category

3.3. Poolability test

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 73rd round pooling process were

- a) District wise Wald-Wolfowitz run test for GVAPW 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 enterprise type

A brief description of the above said tests were described below

3.3.1 Median test

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

Sample-type	no of sample observation		Total
	$\leq m^*$	$> m^*$	
State Sample	N_{11}	N_{12}	$N_{1.}$
Central Sample	N_{21}	N_{22}	$N_{2.}$
Total	$N_{.1}$	$N_{.2}$	$N_{..}$

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

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

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

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

The statistical power of this test may sometimes be improved by using a value other than the median to define the groups say quintile classes– that is, by using a value which divides the groups into more nearly equal groups than the median would.

3.3.2 Multinomial distribution test or χ^2 test

For discrete data such as status of activity, educational level and categorical variable such as land possessed etc, standard tests of equality of sample proportions of two sets of data based on multinomial distributions, relevant chi-square tests may be used after grouping the

attributes/categorical variables in to a suitable number of classes so that each class contains adequate number of sample observations. Construct 2 X k contingency table for k classes at the domain where two sets of data are to be pooled as below and use chi-square test if State sample and Central sample have identical distribution.

Sample-type	no of sample observation					Total
	Class-1	Class-2	...	Class-k-1	Class-k	
State Sample	N ₁₁	N ₁₂	...	N _{1k-1}	N _{1k}	N _{1.}
Central Sample	N ₂₁	N ₂₂	...	N _{2k-1}	N _{2k}	N _{2.}
Total	N _{.1}	N _{.2}	...	N _{.k-1}	N _{.k}	N _{..}

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

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

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

3.3.3 Wald-Wolfowitz run test

1.4.1 Suppose X and Y are independent random samples with cumulative distribution function (CDF) as $F_s(x)$ and $F_c(y)$. Null Hypothesis to be tested is $H_0: F_s(x) = F_c(x)$ for all x against alternative Hypothesis is $H_1: F_s(x) \leq F_c(x)$ for all x and $F_s(x) < F_c(x)$ for some x. Let x_1, x_2, \dots, x_m be iid observation from state sample with distributive function F_s and y_1, y_2, \dots, y_n be iid observation from central sample with distributive function F_c . Pool the data and order them with respect to comparable characteristic under consideration say Gross Value Added Per Worker (GVAPW). In the pooled order sequence put “1” for X and “0” for Y. Let U be the total runs observed where 'run' is a sequence of adjacent equal symbols. For example, following sequence: 1111000111001111110000 is divided in six runs, three of them are made out of “1” and the others are made out of “0”. The number of runs U is a random variable whose distribution for large sample can be treated as normal with:

$$\text{mean: } \frac{2mn}{m+n} + 1$$

variance:
$$\frac{2mn(2mn - m - n)}{(m - n)^2(m + n - 1)}$$

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

3.3.5 Parametric test

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

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

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

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

based on sub-sample 1 & 2

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

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

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

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

$$\text{mse}(\mathbf{r}_c) = (\hat{V}(t_{yc}) - 2 * r_c \hat{Cov}(t_{yc}, t_{xc}) + r_c^2 * \hat{V}(t_{xc})) / t_{xc}^2$$

$$\text{mse}(\mathbf{r}_s) = (\hat{V}(t_{ys}) - 2 * r_s \hat{Cov}(t_{ys}, t_{xs}) + r_s^2 * \hat{V}(t_{xs})) / t_{xs}^2$$

where

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

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

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

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

Samples considered for pooling

A total of 612 FSUs were covered in both State and central Samples separately in 73rd round survey were considered for pooling.

RURAL: FSU allotted to both State and Central - 376		
	Central sample	State sample
Enterprise type	Enterprise surveyed	
OAE	3468	3543
EST	4918	4410
ALL	8386	7953
URBAN: FSU allotted to both State and Central - 236		
OAE	2016	2025
EST	3421	3335
ALL	5437	5360

Non Parametric Poolability Test: Wald Wolfowitz Run test& Chi square test

State: KERALA Sector: RURAL Enterprise type: Establishment			
Table P1: District wise result of run test of GVAPW for pooled sample			
District code	District Name	Manufacturing+Trade+Service	
		Z-value	Status
1	Kasaragod	-1.91	Accept
2	Kannur	-0.20	Accept
3	Wayanad	-3.39	Reject
4	Kozhikode	-1.58	Accept
5	Malappuram	0.59	Accept
6	Palakkad	0.19	Accept
7	Thrissur	-0.28	Accept
8	Eranakulam	-2.91	Reject
9	Idukki	-0.81	Accept
10	Kottayam	-2.41	Reject
11	Alappuzha	0.46	Accept
12	Pathanamthitta	-8.64	Reject
13	Kollam	-1.26	Accept
14	Thiruvananthapuram	-1.39	Accept

State: KERALA Sector: RURAL Enterprise type: OAE			
Table P2: District wise result of run test of GVAPW for pooled sample			
District code	District Name	Manufacturing+Trade+Service	
		Z-value	Status
1	Kasaragod	-2.55	Reject
2	Kannur	-1.96	Accept
3	Wayanad	-1.05	Accept
4	Kozhikode	-2.44	Reject
5	Malappuram	-2.51	Reject
6	Palakkad	-2.17	Accept
7	Thrissur	-0.43	Accept
8	Eranakulam	-2.44	Reject
9	Idukki	-3.00	Reject
10	Kottayam	-0.97	Accept
11	Alappuzha	0.14	Accept
12	Pathanamthitta	-8.93	Reject
13	Kollam	-0.31	Accept
14	Thiruvananthapuram	-4.88	Reject

State: KERALA Sector: Urban Enterprise type: Establishment			
Table P3: District wise result of run test of GVAPW for pooled sample			
District code	District Name	Manufacturing+Trade+Service	
		Z-value	Status
1	Kasaragod	-0.73	Accept
2	Kannur	-0.39	Accept
3	Wayanad	-1.15	Accept
4	Kozhikode	0.38	Accept
5	Malappuram	-1.54	Accept
6	Palakkad	0.27	Accept
7	Thrissur	-3.15	Reject
8	Eranakulam	-1.09	Accept
9	Idukki	-1.12	Accept
10	Kottayam	0.31	Accept
11	Alappuzha	-1.39	Accept
12	Pathanamthitta	-5.38	Reject
13	Kollam	-1.24	Accept
14	Thiruvananthapuram	0.61	Accept

State: KERALA Sector: Urban Enterprise type: OAE			
Table P4: District wise result of run test of GVAPW for pooled sample			
District code	District Name	Manufacturing+Trade+Service	
		Z-value	Status
1	Kasaragod	0.93	Accept
2	Kannur	0.38	Accept
3	Wayanad	0.90	Accept
4	Kozhikode	-0.60	Accept
5	Malappuram	-1.23	Accept
6	Palakkad	0.09	Accept
7	Thrissur	-3.96	Reject
8	Eranakulam	-2.80	Reject
9	Idukki	-0.39	Accept
10	Kottayam	0.02	Accept
11	Alappuzha	-0.73	Accept
12	Pathanamthitta	-4.98	Reject
13	Kollam	-0.55	Accept
14	Thiruvananthapuram	-1.29	Accept

State: KERALA		Enterprise type: OAE +Establishment		Sector: Urban	
Table P6: District wise result of Chisquare test for No. of Enterprises for pooled sample					
District code	District Name	Manufacturing+Trade+Service			
		Chisquarevalue	Status		
1	Kasaragod	5.08	Accept		
2	Kannur	13.29	Reject		
3	Wayanad	1.45	Accept		
4	Kozhikode	2.19	Accept		
5	Malappuram	8.13	Accept		
6	Palakkad	1.15	Accept		
7	Thrissur	3.45	Accept		
8	Eranakulam	0.40	Accept		
9	Idukki	2.64	Accept		
10	Kottayam	0.78	Accept		
11	Alappuzha	0.07	Accept		
12	Pathanamthitta	5.85	Accept		
13	Kollam	29.38	Reject		
14	Thiruvananthapuram	0.82	Accept		

State: KERALA		Enterprise type: OAE+ Establishment		Sector: RURAL	
Table P5: District wise result of Chi square test of No. of Enterprises for pooled sample					
District code	District Name	Manufacturing+Trade+Service			
		Chisquarevalue	Status		
1	Kasaragod	35.55	Reject		
2	Kannur	0.95	Accept		
3	Wayanad	0.05	Accept		
4	Kozhikode	7.39	Accept		
5	Malappuram	1.50	Accept		
6	Palakkad	6.61	Accept		
7	Thrissur	0.24	Accept		
8	Eranakulam	5.32	Accept		
9	Idukki	5.92	Accept		
10	Kottayam	23.37	Reject		
11	Alappuzha	4.89	Accept		
12	Pathanamthitta	1.21	Accept		
13	Kollam	15.29	Reject		
14	Thiruvananthapuram	5.63	Accept		

State: KERALA		Enterprise type: OAE		Sector: Urban	
Table P8: District wise test of GVAPW difference for pooled sample					
District code	District Name	Manufacturing+Trade+Service			
		zvalue	Status		
1	Kasaragod	1.12	Accept		
2	Kannur	0.24	Accept		
3	Wayanad	2.54	Accept		
4	Kozhikode	1.76	Accept		
5	Malappuram	4.15	Reject		
6	Palakkad	1.13	Accept		
7	Thrissur	1.91	Accept		
8	Eranakulam	0.21	Accept		
9	Idukki	2.50	Accept		
10	Kottayam	0.05	Accept		
11	Alappuzha	1.91	Accept		
12	Pathanamthitta	0.17	Accept		
13	Kollam	2.98	Reject		
14	Thiruvananthapuram	1.87	Accept		

State: KERALA		Enterprise type: Establishment		Sector: RURAL	
Table P9: District wise test of GVAPW difference for pooled sample					
District code	District Name	Manufacturing+Trade+Service			
		z value	Status		
1	Kasaragod	0.78	Accept		
2	Kannur	0.64	Accept		
3	Wayanad	1.85	Accept		
4	Kozhikode	0.01	Accept		
5	Malappuram	0.10	Accept		
6	Palakkad	0.83	Accept		
7	Thrissur	0.42	Accept		
8	Eranakulam	1.24	Accept		
9	Idukki	0.42	Accept		
10	Kottayam	1.00	Accept		
11	Alappuzha	0.18	Accept		
12	Pathanamthitta	4.06	Reject		
13	Kollam	1.17	Accept		
14	Thiruvananthapuram	1.83	Accept		

State: KERALA		Enterprise type: Establishment		Sector: Urban	
Table P10: District wise test of GVAPW difference for pooled sample					
District code	District Name	Manufacturing+Trade+Service			
		z value	Status		
1	Kasaragod	0.14	Accept		
2	Kannur	0.41	Accept		
3	Wayanad	0.70	Accept		
4	Kozhikode	0.46	Accept		
5	Malappuram	0.17	Accept		
6	Palakkad	0.39	Accept		
7	Thrissur	0.06	Accept		
8	Eranakulam	0.53	Accept		
9	Idukki	2.15	Accept		
10	Kottayam	0.93	Accept		
11	Alappuzha	0.07	Accept		
12	Pathanamthitta	2.03	Accept		
13	Kollam	0.65	Accept		
14	Thiruvananthapuram	0.72	Accept		

From the above tables of pool tests, it can be observed there is a well percentage of an acceptance by the districts in all types of tests.

3.4 Methods for pooling

The two alternate methods used here for pooling the central and state sample data are

3.4.1 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.

3.4.2 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.

3.5 RSE of estimates

As mentioned earlier Relative Standard Error (RSE) measures the divergence of the estimate as a fraction of estimate from the true population. It can be seen that for the pooled estimates, the RSE is less than that of State and central estimates. Also from the above table it can be observed that the

process of pooling increased that the process of pooling increased the reliability and accuracy of the estimates.

Estimate	Percentage of compilation category wise estimates with rse greater than 30		
	Central	State	Pooled
No. of enterprises	30	33	22
No. of workers	30	32	17
GVAPE	1	1	0
GVAPW	14	12	3

Chapter IV

Summary of findings

4.1 Introduction

4.1.1 NSS 73rd round (July 2015 – June 2016) was designed to exclusively cover all the unincorporated non-agricultural enterprises in manufacturing, trade and other services sector (excluding construction). Enterprises registered under Companies Act, 1956, the electricity units registered with the Central Electricity Authority (CEA), Government and public sector enterprises and Cooperatives were outside the coverage of the survey. The main objective of state's participation in NSS surveys is to provide district level estimates of some key parameters by pooling the Central and State level data. Key findings on district level pooled parameters were described in this chapter. As described, the important estimates obtained through pooling are the Number of enterprises, Number of workers, Emoluments per hired worker, Gross Value-added (GVA) per enterprise and worker.

4.2 Number of Enterprises

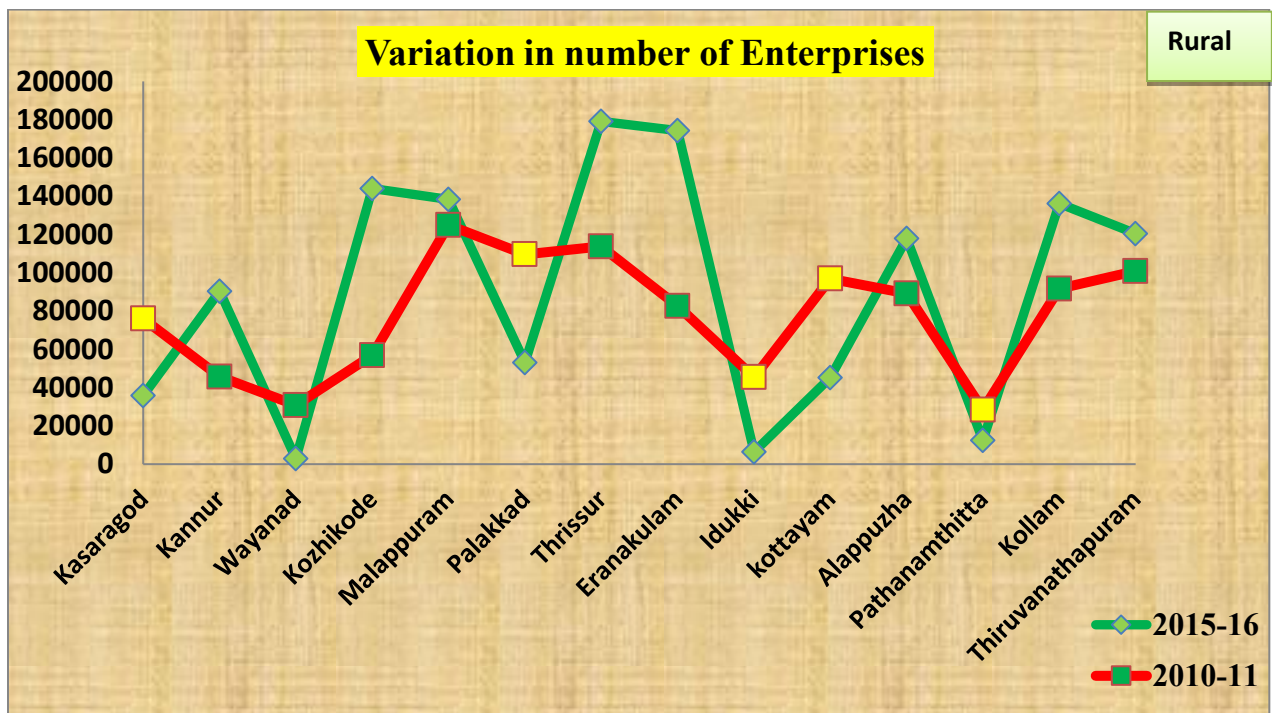
The number of enterprises both district wise and compilation category wise in unincorporated non agriculture sector is one of the key estimates obtained through this survey. The total number of enterprises estimated all over Kerala through this survey is **2255343** out of which 998562 are situated in rural sector and 1256781 in urban sector. From the table given, it can be inferred that all over Kerala maximum number of enterprises in unincorporated non agriculture sector is in Thrissur district, where as Wayanad district is the lowest side. It can also be seen that the maximum number of workers engaged in NAEs are in Thrissur district and the minimum is Wayanad district.

District	Estimated number of Enterprises		
	Rural	Urban	All
Kasaragod	36607	35820	72426
Kannur	52670	90436	143106
Wayanad	44514	2900	47414
Kozhikode	42854	143967	186821
Malappuram	97526	138419	235946
Palakkad	105227	53068	158295
Thrissur	79496	179111	258608

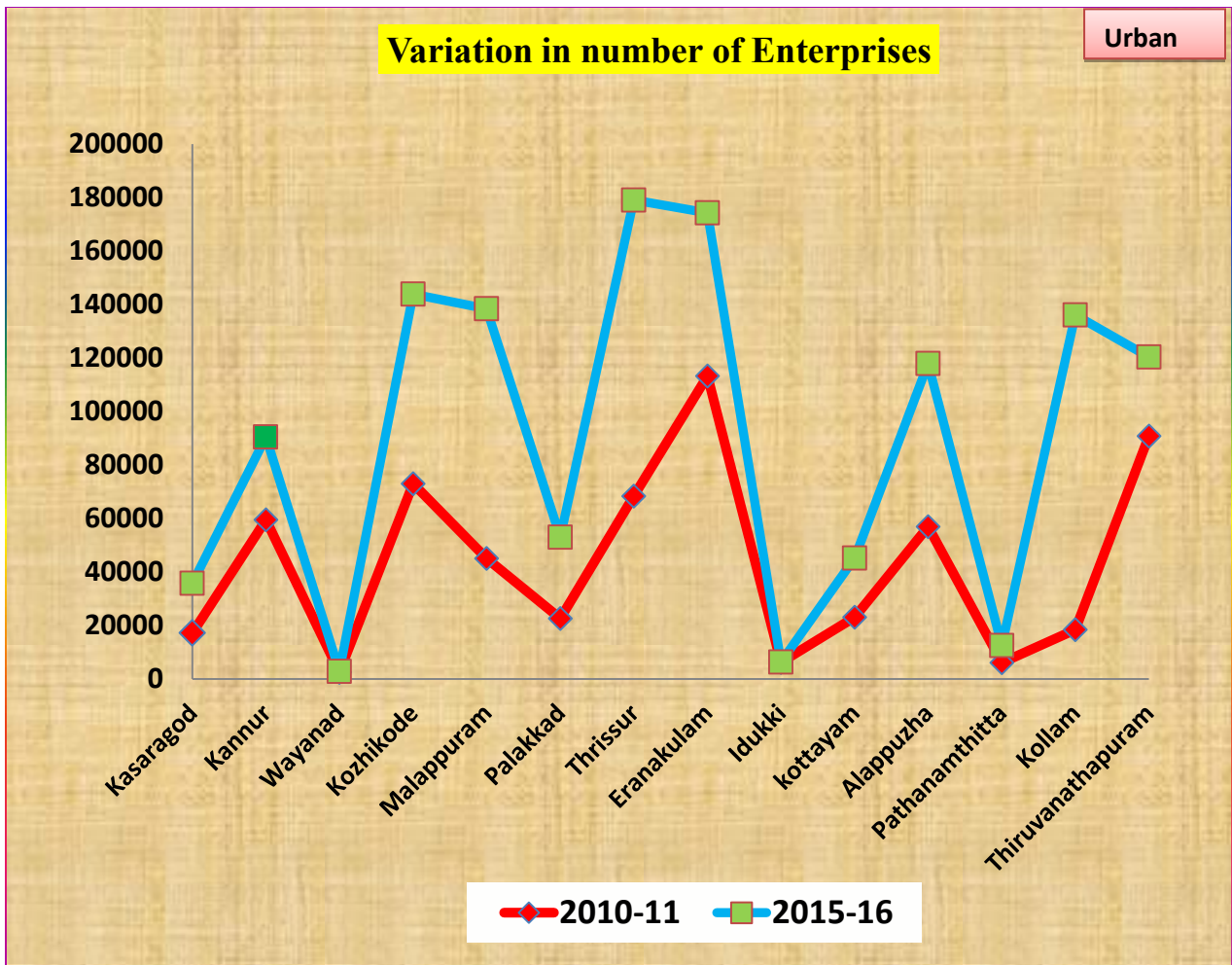
Ernakulam	63950	174329	238279
Idukki	56064	6357	62422
Kottayam	95849	45256	141105
Alappuzha	68108	118009	186118
Pathanamthitta	55870	12493	68363
Kollam	105776	136160	241936
Thiruvananthapuram	94049	120456	214504
All	998562	1256781	22,55,343

4.2.1 Variation in number of enterprises between 67th and 73rd round survey

The last survey on unincorporated nonagricultural enterprises was conducted on 67th round (2010-11). Changes in the distribution of enterprises in various districts over last five years were pictured below.



From the above figure it can be observed that in five yellow spotted districts, namely Kasaragod, Palakkad, Idukki, Pathanamthitta and Kottayam; the number of enterprises decreased in 2015-16 as compared with 2010-11. Remaining nine districts showed an increasing trend in the number of enterprises.



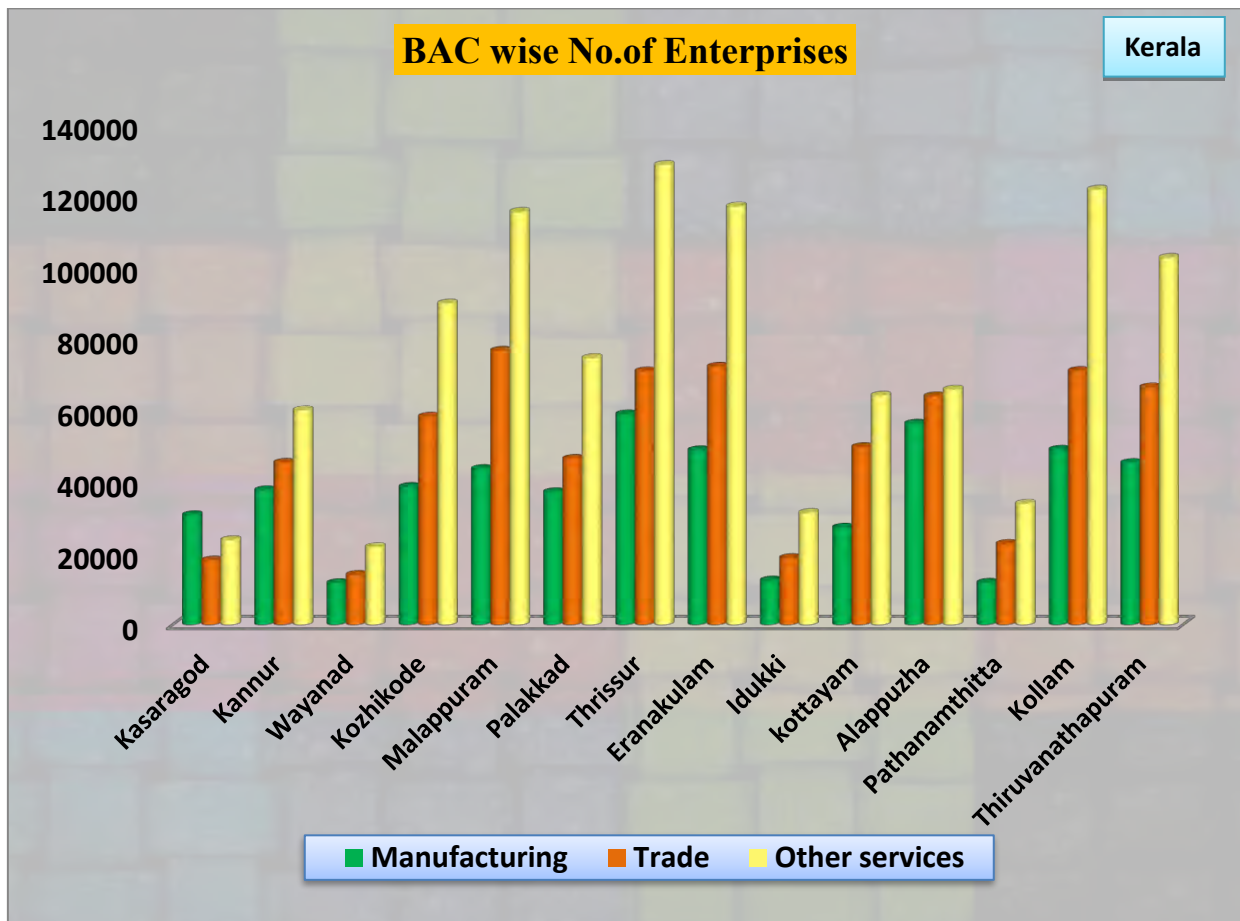
From the above figure it can be inferred that there is an increase in the number of enterprises in all urban parts of Kerala over these years.

4.2.2 Broad Activity Category (BAC) wise number of Enterprises

This round is devoted exclusively to an integrated survey on economic and operational characteristics of unincorporated non-agricultural enterprises in manufacturing, trade and other services sectors (excluding construction) to supplement the corporate sector data. The distribution of broad activity categorised enterprise data is given below. From the figure it is clear that maximum number manufacturing and service sector enterprise concentrated in Thrissur district, while trading sector enterprise is in Malappuram district. All over Kerala, the estimated number of enterprises in manufacturing sector is 509399, in trading sector 694846 and in other service sector are 1051099.

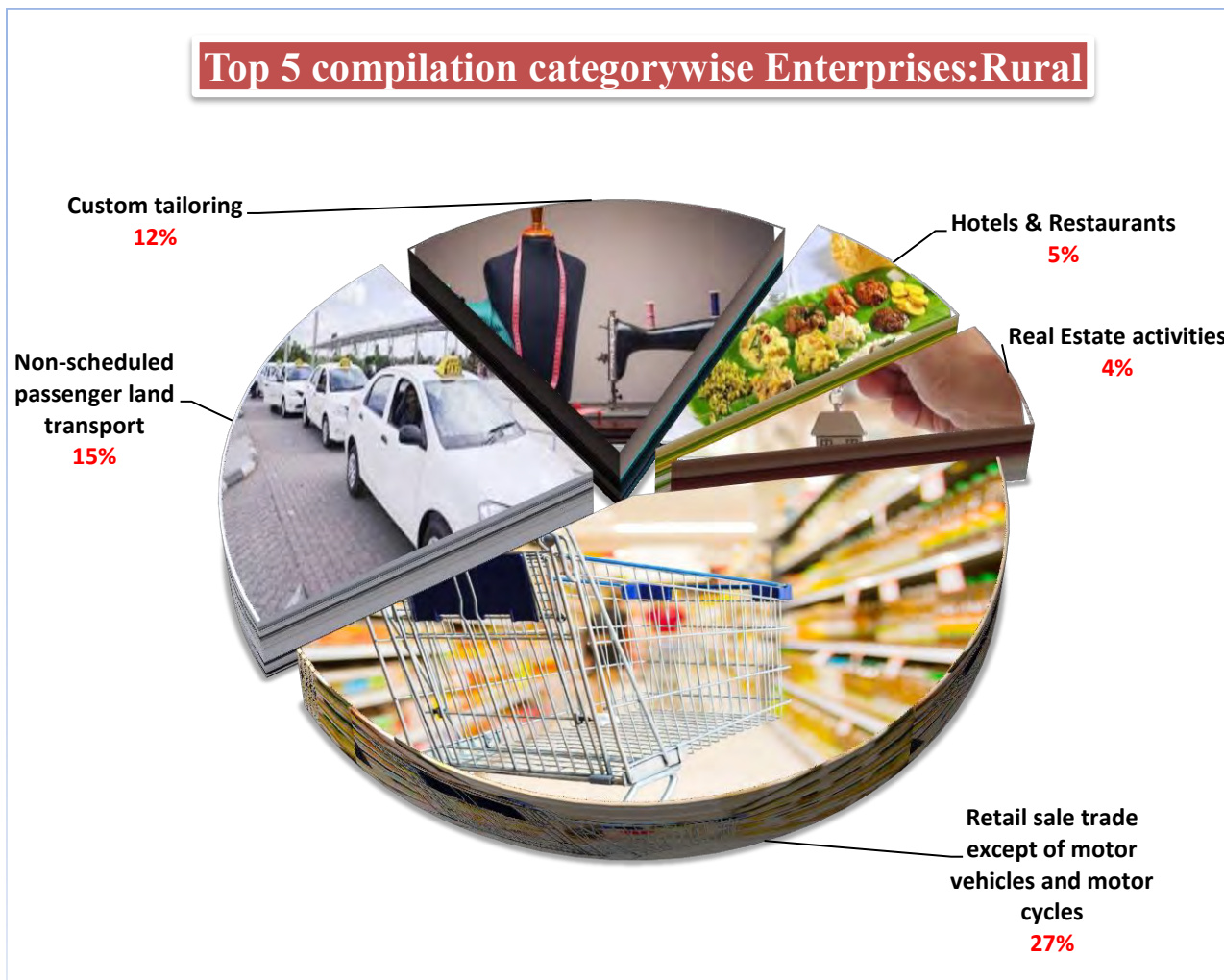
District wise number of enterprises			
District	Manufacturing	Trade	Other services
Kasaragod	30701	18031	23694
Kannur	37683	45384	60039
Wayanad	11676	13979	21760
Kozhikode	38615	58288	89919
Malappuram	43638	76740	115569
Palakkad	37150	46482	74663
Thrissur	58947	70975	128688
Ernakulam	48886	72276	117118
Idukki	12429	18696	31297
Kottayam	27228	49755	64123
Alappuzha	56318	63975	65824
Pathanamthitta	11787	22694	33883
Kollam	49027	71081	121828
Thiruvananthapuram	45316	66494	102694
Kerala	509401	694850	1051099

The broad activity category wise details were pictured below.



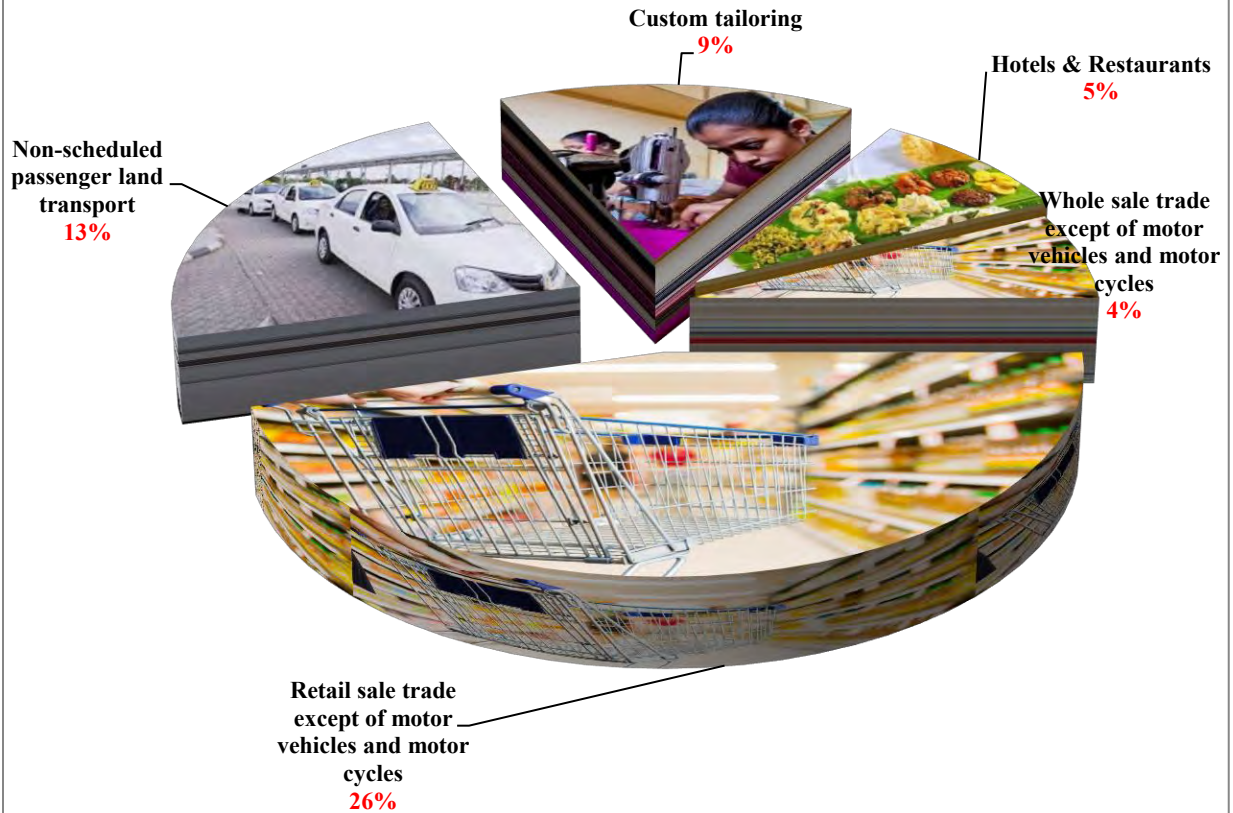
4.2.3 Compilation category wise number of Enterprises

The compilation category wise number of enterprises and workers were estimated through this survey. There are 69 compilation categories. In both rural and urban sector the concentration no of enterprises in compilation categories are different. All over Kerala, the major categories of unincorporated enterprises are concentrated in the following three sectors namely retail sale trade except of motor vehicles and motor cycles, on-scheduled passenger land transport and Custom tailoring. The mostly concentrated five compilation category wise enterprises in Rural and Urban Sector were pictured below.



From the above figure it is clear that in rural part of Kerala, most of the unincorporated sector enterprises are in retail trade sector (257571) followed with nonscheduled passenger land transport, custom tailoring, Hotel and Restaurants etc.

Top 5 compilation categorywise enterprises : Urban



From the figure it can be inferred that 26% of the total enterprises are concentrated on retail trade sector(316918) and was followed by Nonscheduled passenger land transport , Custom tailoring ,Hotel and Restaurants etc. It can also be seen that in both rural and urban the concentration of the enterprises are almost same. Also from the survey it was estimated that all over Kerala almost 10.15 lakhs (24%

share of workers) persons were engaged in retail trade activity. In 2010-11 also maximum number of enterprises was in retail trade sector.

4.3 Number of Workers

The labour force in unincorporated nonagricultural sector enterprises is one of the core estimates in the economy. Through this survey it was estimated that a total of 4299689 persons were engaged in unincorporated sector enterprises out of which 1669211 are working in rural sector and 2630478 are in urban sector. While coming to the district level distribution of the labour force, it can observe that in rural sector maximum number of labourers is in Palakkad district and minimum is in Kasaragod district. While in Urban rear, the maximum is in Eranakulam district and minimum is in Wayanad. All over Kerala, the maximum labour force is in Thrissur district and minimum is in Wayanad.

District	Estimated number of Workers		
	Rural	Urban	All
Kasaragod	62303	65391	127695
Kannur	67542	179889	247431
Wayanad	68657	7670	76327
Kozhikode	72070	289796	361866
Malappuram	165153	269494	434648
Palakkad	176856	115186	292043
Thrissur	162976	433142	596118
Eranakulam	121892	459067	580960
Idukki	93118	14831	107948
Kottayam	158824	96371	255194
Alappuzha	109705	197681	307386
Pathanamthitta	87563	29440	117003
Kollam	159139	214369	373508
Thiruvananthapuram	163414	258147	421562
All	1669211	2630478	4299689

4.3.1 Broad Activity wise Number of Workers

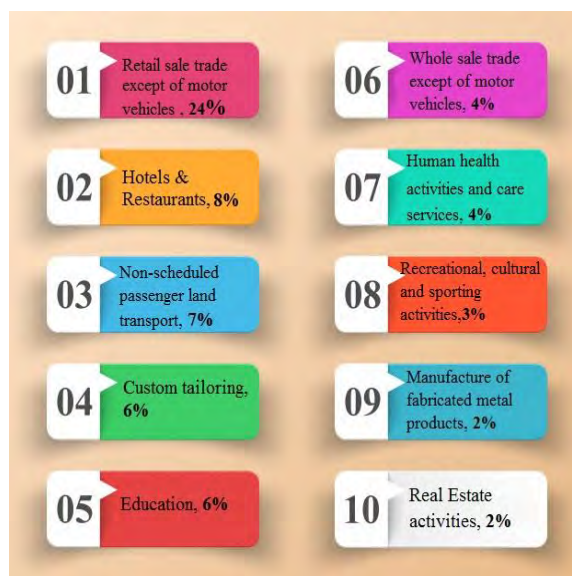
Major activity wise estimated number of workers in unincorporated sector enterprises is highly inferential to the planning and policy making. It can observe that the major share of workers is in other service sector (45.79%). District wise share of workers in different broad activity categories given below.

Broad Activity Category	Percentage share of workers	Estimated number of workers
Manufacturing	22.87	983480
Trade	31.33	1347297
Other services	45.79	1968912

District	Percentage share of number of workers		
	Manufacturing	Trade	Other services
Kasaragod	26	26	44
Kannur	27	37	36
Wayanad	24	29	47
Kozhikode	22	35	43
Malappuram	23	32	45
Palakkad	22	31	48
Thrissur	21	27	51
Eranakulam	21	29	50
Idukki	23	32	45
kottayam	21	34	45
Alappuzha	36	32	32
Pathanamthitta	18	34	47
Kollam	20	32	48
Thiruvananthapuram	19	32	49

4.3.2 Compilation Category wise Number of Workers

Compilation category wise number of enterprises really envisages the important industrial sectors in the unincorporated sector. The top ten compilation category wise sectors according to the share of number of workers are given below. It can be observed that 24% of the total workers are belongs to the Retail sale trade except of motor vehicles and motor cycles. The top ten compilation category wise number of is given here. The district wise top three compilation categories of workers based on the share of percentage of workers is given below.

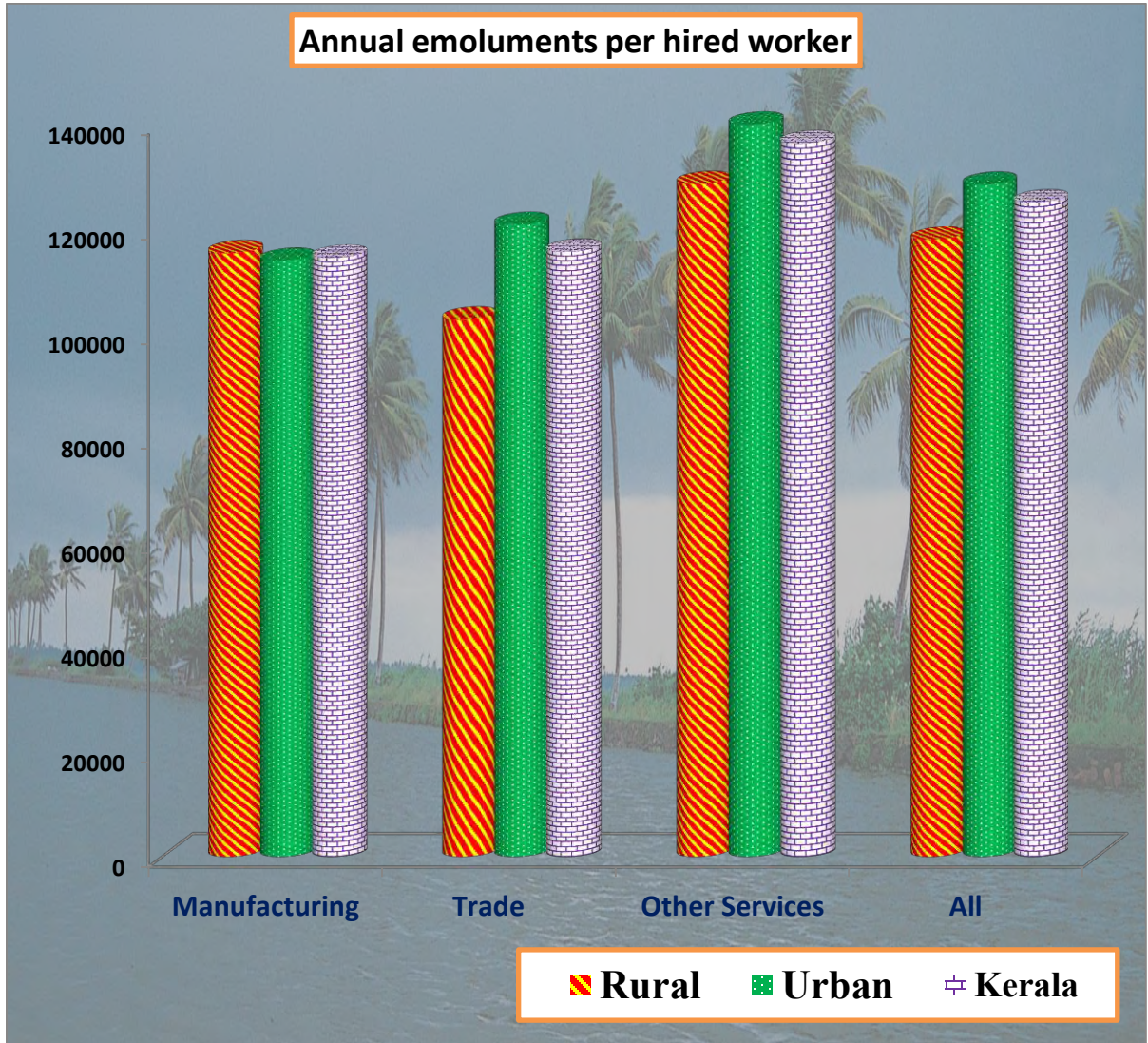


District	I st position	II nd position	III rd position
Thiruvananthapuram	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Custom tailoring
Kollam	Retail sale trade except of motor vehicles and motor cycles	Custom tailoring	Non-scheduled passenger land transport
Pathanamthitta	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Non-scheduled passenger land transport
Alappuzha	Retail sale trade except of motor vehicles and motor cycles	Manufacture of textiles + cotton ginning	Production, processing and preservation of meat, fish, fruit, vegetables, oils and fats

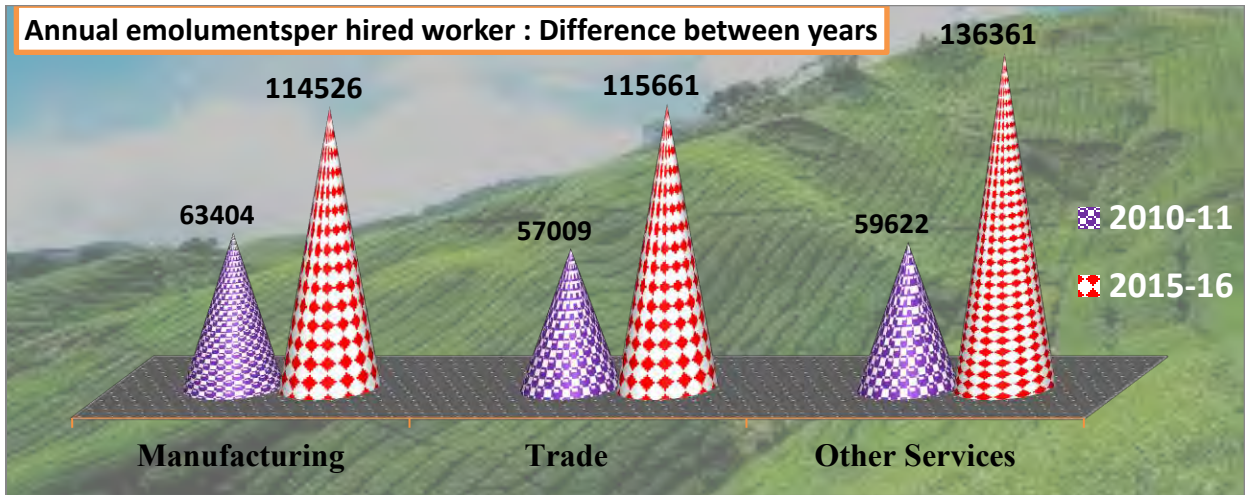
Kottayam	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Non-scheduled passenger land transport
Idukki	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Non-scheduled passenger land transport
Eranakulam	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Human health activities and care services with/without accommodation
Thrissur	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Recreational, cultural and sporting activities
Palakkad	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Custom tailoring
Malappuram	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Non-scheduled passenger land transport
Kozhikode	Retail sale trade except of motor vehicles and motor cycles	Hotels & Restaurants	Whole sale trade except of motor vehicles and motor cycles
Wayanad	Retail sale trade except of motor vehicles and motor cycles	Non-scheduled passenger land transport	Hotels & Restaurants
Kannur	Retail sale trade except of motor vehicles and motor cycles	Non-scheduled passenger land transport	Custom tailoring
Kasaragod	Retail sale trade except of motor vehicles and motor cycles	Manufacture of tobacco products	Education

4.4 Annual emoluments per hired worker

Earnings from unincorporated sector enterprises are one of the key indicator of the sector. Annual emoluments per hired worker by broad activity category in different sectors are given below.



From the above figure it is clear that in manufacturing activity emoluments is high in rural sector whereas in trade and service activities it is high in urban sector. All over Kerala it can be seen that average annual emoluments per hired worker in manufacturing sector is Rs.114526 and in trade sector it is Rs.115661 and in service sector it is Rs. 136361. Also on an average annual emoluments per hired worker in Kerala is estimated as Rs. 125081. Over last five years, that is between 2010-11 and 2015-16 the variation in emoluments can be seen from the below picture.

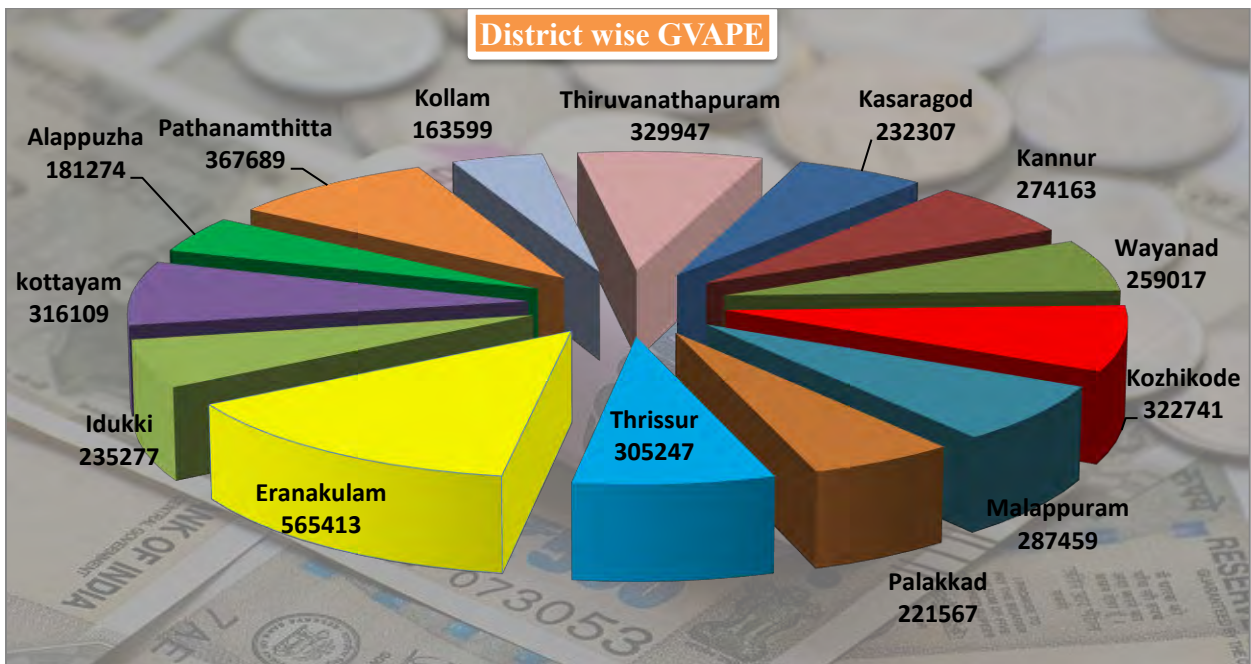


4.5 Gross Value Added (GVA)

Unincorporated sector contributes a major share in the economy in terms of value addition. The Annual Gross Value Added per enterprise and workers were discussed here.

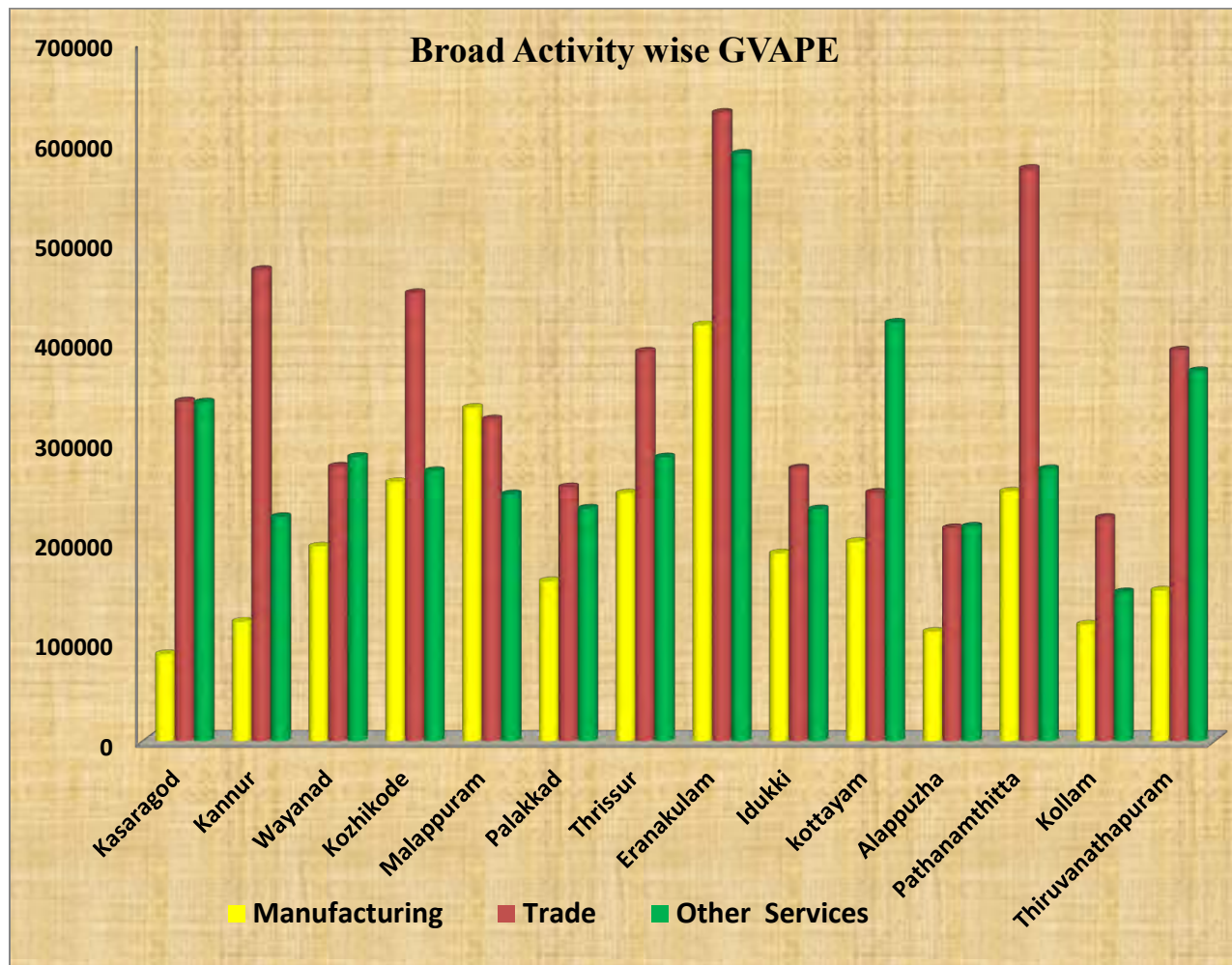
4.5.1 Gross value Added Per Enterprise (GVAPE)

The district wise distribution of gross value added per enterprises is given below. It can be observed that GVAPE is high in Eranakulam district and low in Kollam district.



4.5.2 Broad Activity wise GVAPE

Broad activity wise gross value added per enterprise is given below. District wise gross value added per enterprise in manufacturing, trading and other service activities were described here.

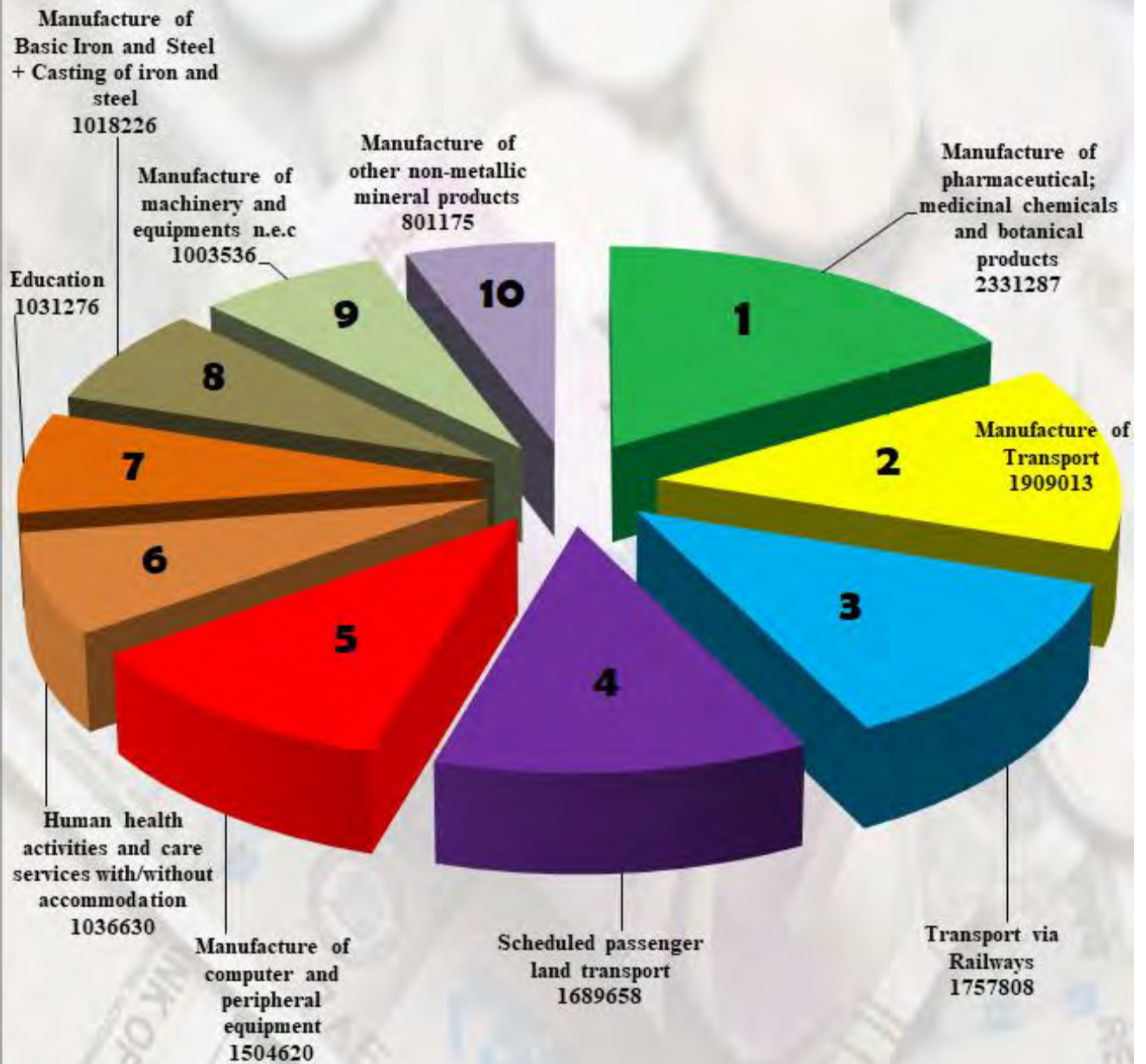


From the figure, it can be seen that in manufacturing, trading and other service activity, GVAPE is high in Ernakulam district. While considering Kerala as a whole GVAPE in manufacturing sector is Rs.204194, trading sector it is Rs.363938 and in service sector it is Rs.301091.

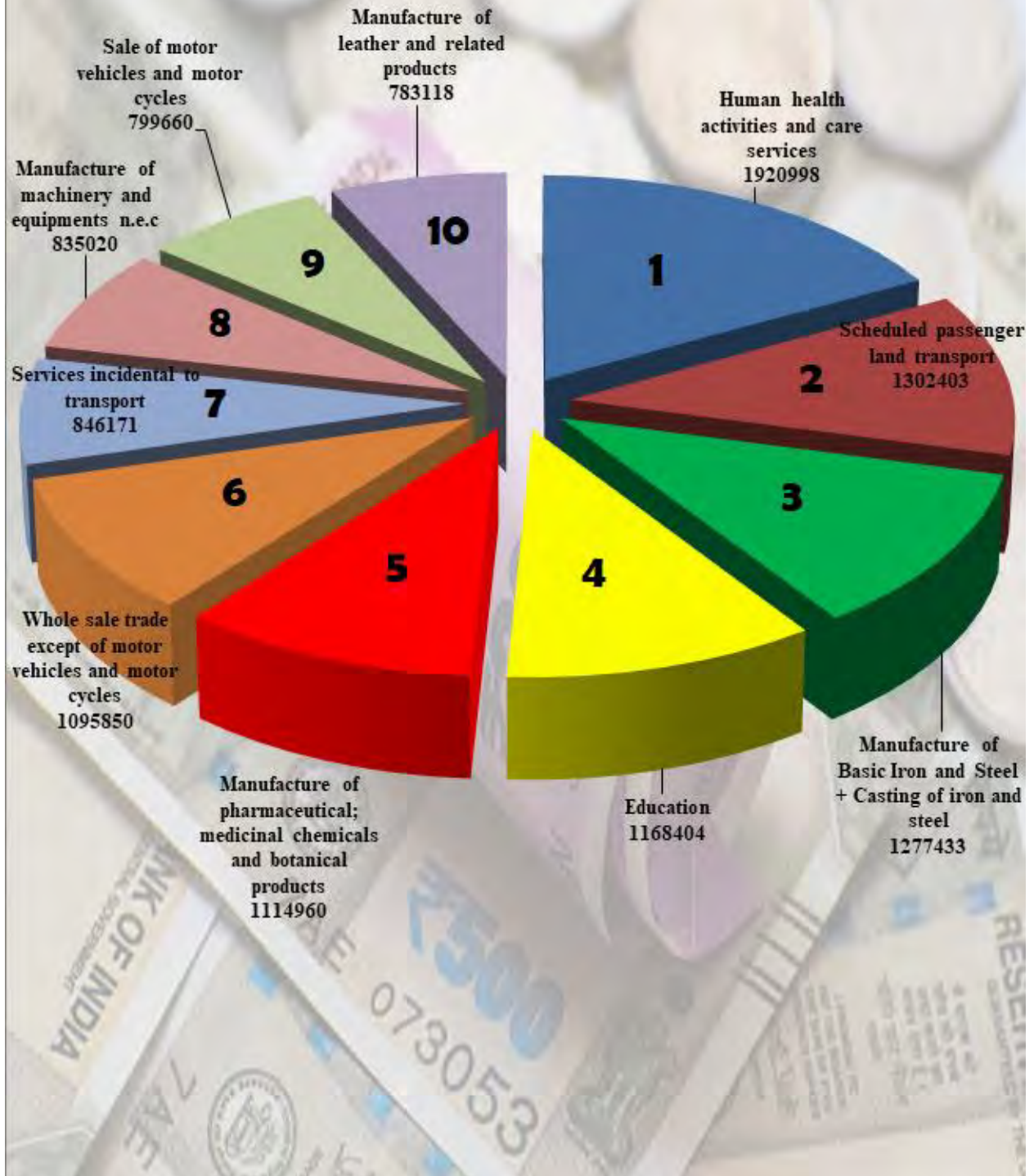
4.5.3 Compilation category wise GVAPE

Compilation category wise GVAPE gives a clear picture of the enterprises which contributes much in the GVA. The following charts will give the details of major shared compilation categories in rural and urban sectors of Kerala.

Top ten Compilation Categorywise GVAPE: Rural



Top ten Compilation Categorywise GVAPE:Urban



4.6 Gross Value Added Per Worker (GVAPW)

Gross Value Added Per Worker is another important economic parameter under consideration.

District	GVAPW	District	GVAPW
Kasaragod	131537	Eranakulam	231744
Kannur	158811	Idukki	135831
Wayanad	160888	Kottayam	174735
Kozhikode	166822	Alappuzha	110006
Malappuram	155757	Pathanamthitta	214823
Palakkad	119975	Kollam	105982
Thrissur	132022	Thiruvananthapuram	167885
Kerala		156609	

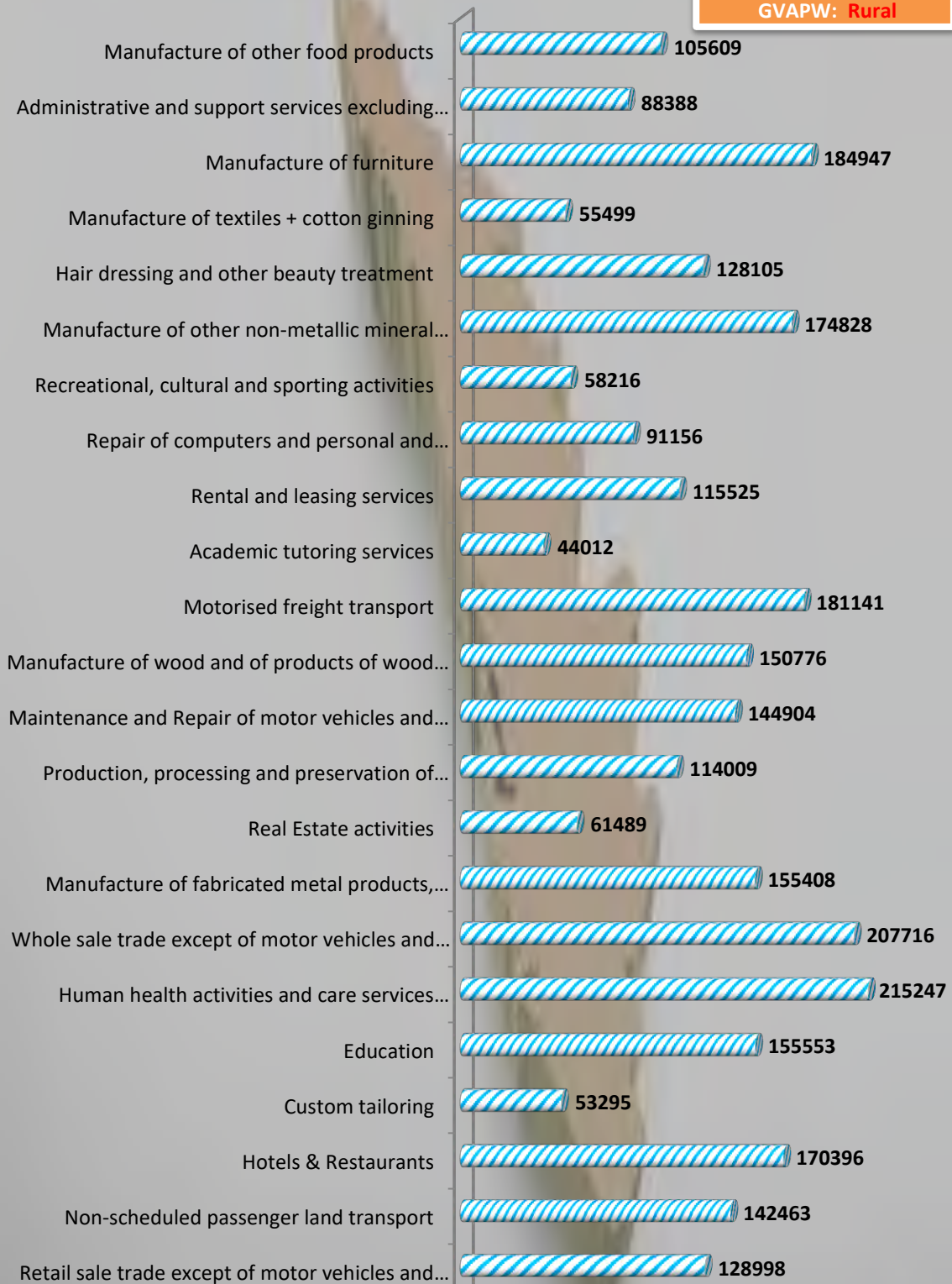
District wise distribution of GVAPW in manufacturing, trade and service sector is presented below.

Broad Activity wise GVAPW (In Rs.)			
District	Manufacturing	Trade	Other Services
Kasaragod	68267	184884	143943
Kannur	67156	234132	150157
Wayanad	122341	175339	171973
Kozhikode	127935	203753	155902
Malappuram	146796	175085	146320
Palakkad	92738	132260	124595
Thrissur	113731	169076	119824
Eranakulam	163010	272831	237712
Idukki	92565	148206	149499
Kottayam	100382	143201	233179
Alappuzha	55106	140075	142101
Pathanamthitta	135648	326201	165760
Kollam	75910	133069	100561
Thiruvananthapuram	85996	190917	184057

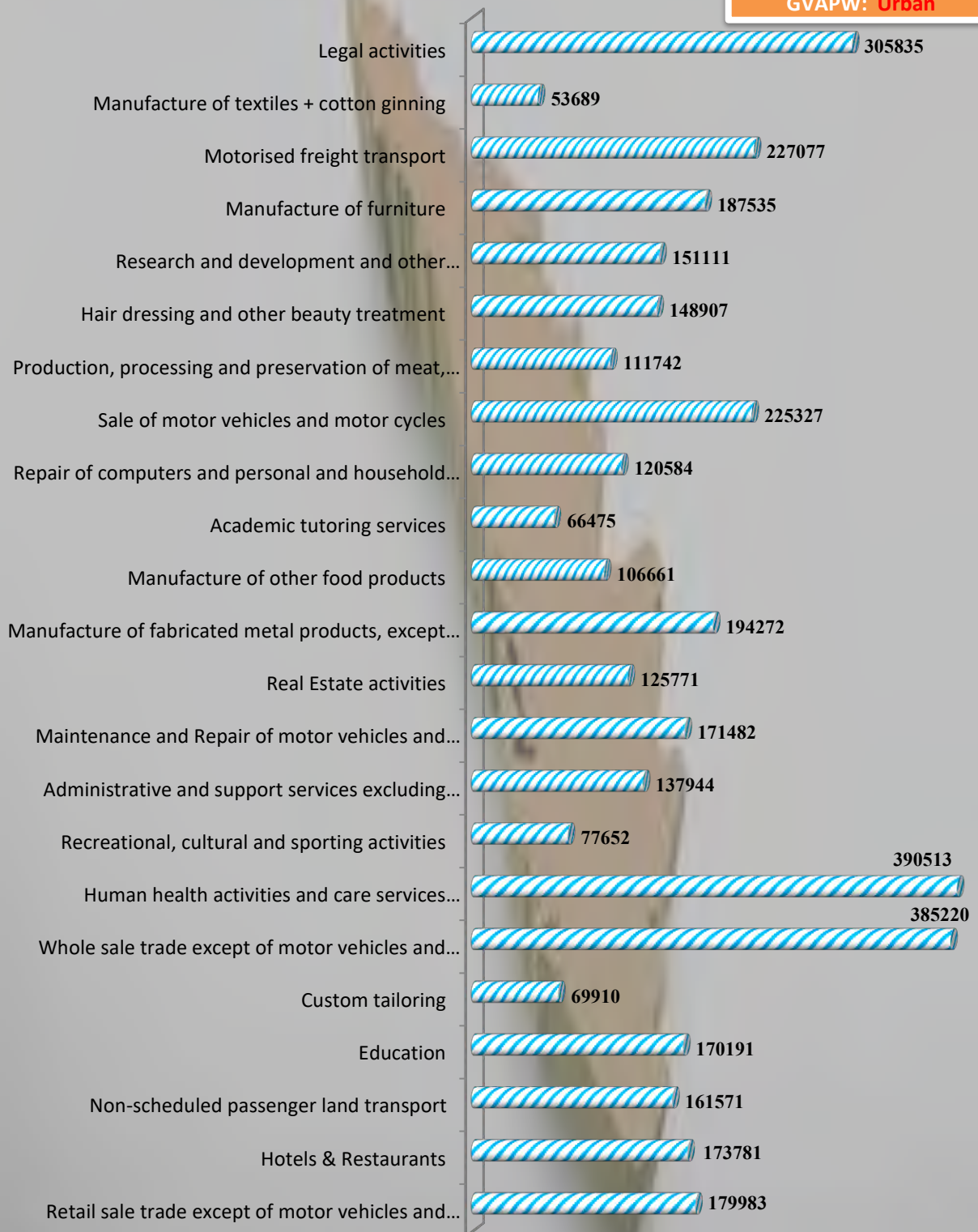
4.6.1 Compilation category wise GVAPW

Compilation category wise GVA per worker is another important estimate of the economy. Here the economic activities are combined to 69 compilation categories. The top 25 major shared compilation category in terms of number of workers in each category were pictured below. It can be seen that there exists sector wise difference in GVA per worker for different compilation categories.

Compilation Categorywise
GVAPW: Rural



Compilation Categorywise
 GVAPW: **Urban**



Appendix A

Detailed Pooled Tables

Table 1: Number of workers by enterprise type for each Broad activity category

Thiruvananthapuram

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	25580	12960	38540	23.58	1087	22595	493
	Trade	27031	20854	47885	29.30	1193	27914	523
	Other Services	39221	37767	76989	47.11	3542	43540	722
	All	91832	71581	163414	100.00	5822	94049	1738
U r b a n	Manufacturing	21414	19091	40505	15.69	734	22721	262
	Trade	32254	55948	88202	34.17	1899	38580	330
	Other Services	50504	78936	129441	50.14	4126	59154	553
	All	104173	153975	258147	100.00	6759	120456	1145
R u r a l + U r b a n	Manufacturing	46994	32050	79045	18.75	1821	45316	755
	Trade	59285	76802	136087	32.28	3092	66494	853
	Other Services	89725	116705	206430	48.97	7668	102694	1275
	All	196005	225557	421562	100.00	12581	214504	2883

Table 1: Number of workers by enterprise type for each Broad activity category

Kollam

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	20349	11495	31843	20.01	895	19292	397
	Trade	28571	19925	48496	30.47	913	31386	410
	Other Services	45794	33005	78799	49.52	1939	55098	649
	All	94714	64425	159139	100.00	3747	105776	1456
U r b a n	Manufacturing	26721	16263	42984	20.05	346	29735	136
	Trade	32094	38441	70535	32.90	447	39695	164
	Other Services	52369	48481	100850	47.05	737	66730	253
	All	111184	103185	214369	100.00	1530	136160	553
R u r a l + U r b a n	Manufacturing	47070	27758	74828	20.03	1241	49027	533
	Trade	60664	58366	119031	31.87	1360	71081	574
	Other Services	98163	81486	179649	48.10	2676	121828	902
	All	205898	167610	373508	100.00	5277	241936	2009

Table 1: Number of workers by enterprise type for each Broad activity category

Pathanamthitta

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	8012	10349	18361	20.97	736	10229	325
	Trade	16665	14346	31012	35.42	845	19011	357
	Other Services	20778	17412	38190	43.61	1737	26630	548
	All	45456	42108	87563	100.00	3318	55870	1230
U r b a n	Manufacturing	941	2339	3280	11.14	268	1558	123
	Trade	2669	6161	8830	29.99	508	3682	163
	Other Services	5146	12185	17330	58.87	1781	7253	231
	All	8755	20685	29440	100.00	2557	12493	517
R u r a l + U r b a n	Manufacturing	8953	12689	21642	18.50	1004	11787	448
	Trade	19334	20507	39841	34.05	1353	22694	520
	Other Services	25924	29597	55521	47.45	3518	33883	779
	All	54211	62793	117003	100.00	5875	68363	1747

Table 1: Number of workers by enterprise type for each Broad activity category

Alappuzha

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	34906	11794	46700	42.57	1096	23421	279
	Trade	19297	8262	27560	25.12	528	19761	254
	Other Services	20474	14971	35445	32.31	1348	24926	367
	All	74677	35028	109705	100.00	2972	68108	900
U r b a n	Manufacturing	31127	33318	64445	32.60	593	32897	155
	Trade	42592	26921	69513	35.16	478	44214	163
	Other Services	34837	28885	63723	32.24	761	40899	237
	All	108556	89125	197681	100.00	1832	118009	555
R u r a l + U r b a n	Manufacturing	66033	45112	111145	36.16	1689	56318	434
	Trade	61889	35184	97073	31.58	1006	63975	417
	Other Services	55311	43857	99168	32.26	2109	65824	604
	All	183233	124153	307386	100.00	4804	186118	1455

Table 1: Number of workers by enterprise type for each Broad activity category

Kottayam

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	16550	19963	36513	22.99	1254	19055	424
	Trade	31498	24281	55780	35.12	1207	31998	428
	Other Services	34968	31563	66531	41.89	3886	44797	636
	All	83017	75807	158824	100.00	6347	95849	1488
U r b a n	Manufacturing	6904	10493	17397	18.05	392	8172	145
	Trade	15323	15094	30417	31.56	388	17757	148
	Other Services	15522	33035	48557	50.39	1597	19327	208
	All	37748	58622	96371	100.00	2377	45256	501
R u r a l + U r b a n	Manufacturing	23454	30456	53910	21.13	1646	27228	569
	Trade	46821	39375	86196	33.78	1595	49755	576
	Other Services	50490	64598	115089	45.10	5483	64123	844
	All	120765	134429	255194	100.00	8724	141105	1989

Table 1: Number of workers by enterprise type for each Broad activity category

Idukki

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	14184	8795	22978	24.68	726	11503	271
	Trade	15850	12683	28533	30.64	729	16399	283
	Other Services	21340	20265	41606	44.68	1735	28162	420
	All	51374	41743	93118	100.00	3190	56064	974
U r b a n	Manufacturing	713	1443	2156	14.54	240	926	95
	Trade	1556	4281	5837	39.36	531	2296	119
	Other Services	2146	4693	6839	46.11	799	3134	173
	All	4415	10417	14831	100.00	1570	6357	387
R u r a l + U r b a n	Manufacturing	14897	10238	25134	23.28	966	12429	366
	Trade	17406	16964	34370	31.84	1260	18696	402
	Other Services	23486	24958	48444	44.88	2534	31297	593
	All	55789	52159	107948	100.00	4760	62422	1361

Table 1: Number of workers by enterprise type for each Broad activity category

Eranakulam

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	13182	27513	40696	33.39	1163	15773	361
	Trade	22666	13956	36622	30.04	756	21088	350
	Other Services	23357	21217	44574	36.57	3016	27089	442
	All	59206	62686	121892	100.00	4935	63950	1153
U r b a n	Manufacturing	26740	57302	84042	18.31	1558	33113	459
	Trade	36932	93042	129975	28.31	1780	51188	523
	Other Services	79941	165111	245052	53.38	8159	90030	908
	All	143613	315454	459067	100.00	11497	174329	1890
R u r a l + U r b a n	Manufacturing	39923	84815	124737	21.47	2721	48886	820
	Trade	59599	106998	166596	28.68	2536	72276	873
	Other Services	103298	186328	289626	49.85	11175	117118	1350
	All	202819	378141	580960	100.00	16432	238279	3043

Table 1: Number of workers by enterprise type for each Broad activity category

Thrissur

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	20071	20203	40275	24.71	859	20477	291
	Trade	13825	34610	48434	29.72	621	21933	245
	Other Services	40743	33524	74267	45.57	1425	37087	376
	All	74639	88337	162976	100.00	2905	79496	912
U r b a n	Manufacturing	33814	54077	87890	20.29	1067	38470	346
	Trade	44053	71001	115054	26.56	1630	49041	364
	Other Services	124440	105757	230197	53.15	2995	91601	544
	All	202307	230835	433142	100.00	5692	179111	1254
R u r a l + U r b a n	Manufacturing	53885	74280	128165	21.50	1926	58947	637
	Trade	57878	105611	163488	27.43	2251	70975	609
	Other Services	165183	139281	304465	51.07	4420	128688	920
	All	276946	319172	596118	100.00	8597	258608	2166

Table 1: Number of workers by enterprise type for each Broad activity category

Palakkad

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	26011	20665	46676	26.39	1087	27389	453
	Trade	26530	22562	49092	27.76	963	29435	466
	Other Services	38543	42545	81088	45.85	2627	48402	690
	All	91084	85771	176856	100.00	4677	105227	1609
U r b a n	Manufacturing	8635	8488	17123	14.87	322	9760	133
	Trade	11417	28601	40018	34.74	713	17047	165
	Other Services	21857	36189	58045	50.39	1222	26261	266
	All	41909	73278	115186	100.00	2257	53068	564
R u r a l + U r b a n	Manufacturing	34646	29153	63799	21.85	1409	37150	586
	Trade	37947	51163	89110	30.51	1676	46482	631
	Other Services	60400	78735	139134	47.64	3849	74663	956
	All	132993	159050	292043	100.00	6934	158295	2173

Table 1: Number of workers by enterprise type for each Broad activity category

Malappuram

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	16004	30399	46403	28.10	1462	20529	548
	Trade	25348	23109	48457	29.34	1176	29340	529
	Other Services	42311	27982	70293	42.56	2447	47657	824
	All	83664	81490	165153	100.00	5085	97526	1901
U r b a n	Manufacturing	17258	35338	52596	19.52	521	23109	189
	Trade	33710	58788	92498	34.32	646	47400	212
	Other Services	57658	66742	124400	46.16	1121	67911	335
	All	108626	160868	269494	100.00	2288	138419	736
R u r a l + U r b a n	Manufacturing	33263	65737	98999	22.78	1983	43638	737
	Trade	59058	81897	140955	32.43	1822	76740	741
	Other Services	99969	94724	194694	44.79	3568	115569	1159
	All	192290	242358	434648	100.00	7373	235946	2637

Table 1: Number of workers by enterprise type for each Broad activity category

Kozhikode

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	5666	11797	17463	24.23	482	8503	188
	Trade	11528	15088	26616	36.93	442	15495	208
	Other Services	13037	14954	27991	38.84	1035	18855	331
	All	30231	41839	72070	100.00	1959	42854	727
U r b a n	Manufacturing	27601	32994	60595	20.91	896	30111	290
	Trade	30560	71026	101586	35.05	1178	42792	325
	Other Services	59082	68534	127616	44.04	2299	71064	523
	All	117242	172554	289796	100.00	4373	143967	1138
R u r a l + U r b a n	Manufacturing	33267	44791	78058	21.57	1378	38615	478
	Trade	42088	86114	128202	35.43	1620	58288	533
	Other Services	72118	83488	155606	43.00	3334	89919	854
	All	147473	214393	361866	100.00	6332	186821	1865

Table 1: Number of workers by enterprise type for each Broad activity category

Wayanad

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	10598	6646	17244	25.12	462	11285	200
	Trade	9875	9101	18976	27.64	532	12864	200
	Other Services	19479	12958	32437	47.25	1573	20365	356
	All	39952	28705	68657	100.00	2567	44514	756
U r b a n	Manufacturing	244	1041	1286	16.77	349	391	90
	Trade	701	2188	2889	37.67	383	1114	114
	Other Services	933	2563	3495	45.57	861	1395	188
	All	1879	5792	7670	100.00	1593	2900	392
R u r a l + U r b a n	Manufacturing	10842	7688	18530	24.28	811	11676	290
	Trade	10576	11289	21865	28.65	915	13979	314
	Other Services	20412	15520	35933	47.08	2434	21760	544
	All	41830	34497	76327	100.00	4160	47414	1148

Table 1: Number of workers by enterprise type for each Broad activity category

Kannur

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	12203	8448	20651	30.58	533	12980	238
	Trade	11293	8152	19445	28.79	442	13508	230
	Other Services	20012	7434	27446	40.64	1025	26182	357
	All	43508	24034	67542	100.00	2000	52670	825
U r b a n	Manufacturing	17428	28558	45987	25.56	431	24703	171
	Trade	22854	49066	71920	39.98	655	31876	202
	Other Services	26028	35955	61983	34.46	1027	33857	305
	All	66310	113580	179889	100.00	2113	90436	678
R u r a l + U r b a n	Manufacturing	29631	37006	66637	26.93	964	37683	409
	Trade	34147	57218	91365	36.93	1097	45384	432
	Other Services	46039	43389	89429	36.14	2052	60039	662
	All	109818	137613	247431	100.00	4113	143106	1503

Table 1: Number of workers by enterprise type for each Broad activity category

Kasaragod

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	17209	3285	20494	32.89	411	18118	196
	Trade	4842	7664	12505	20.07	488	7629	190
	Other Services	9821	19483	29303	47.03	1372	10859	313
	All	31872	30432	62303	100.00	2271	36607	699
U r b a n	Manufacturing	12116	6240	18356	28.07	342	12583	147
	Trade	6398	14215	20613	31.52	366	10402	143
	Other Services	13992	12432	26422	40.41	783	12835	222
	All	32506	32886	65391	100.00	1491	35820	512
R u r a l + U r b a n	Manufacturing	29326	9525	38851	30.42	753	30701	343
	Trade	11240	21878	33118	25.94	854	18031	333
	Other Services	23812	31913	55726	43.64	2155	23694	535
	All	64377	63317	127695	100.00	3762	72426	1211

Table 1: Number of workers by enterprise type for each Broad activity category

Kerala

Sector	Broad Activity Category	Estimated No. of workers in			% share of workers	Sample no. of workers	No. of enterprises	
		OAE	Establishment	All			Estimated	Sample
R u r a l	Manufacturing	240526	204312	444839	26.65	12253	241150	4664
	Trade	264819	234593	499412	29.92	10835	297762	4673
	Other Services	389880	335082	724962	43.43	28707	459651	7031
	All	895225	773986	1669211	100	51795	998562	16368
U r b a n	Manufacturing	231657	306985	538641	20.48	8059	268249	2741
	Trade	313113	534773	847886	32.23	11602	397085	3135
	Other Services	544454	699498	1243951	47.29	28268	591448	4946
	All	1089224	1541254	2630478	100	47929	1256781	10822
R u r a l + U r b a n	Manufacturing	472183	511297	983480	22.87	20312	509399	7405
	Trade	577932	769365	1347297	31.33	22437	694846	7808
	Other Services	934333	1034580	1968912	45.79	56975	1051099	11977
	All	1984448	2315241	4299689	100	99724	2255343	27190

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

OAE

Thiruvananthapuram

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	41251	25580	340
	Trade	110934	27031	350
	Other Services	90050	39221	333
	All	82604	91832	1023
U r b a n	Manufacturing	54200	21414	154
	Trade	111174	32254	175
	Other Services	118936	50504	169
	All	103225	104173	498
R u r a l + U r b a n	Manufacturing	47151	46994	494
	Trade	111064	59285	525
	Other Services	106309	89725	502
	All	93564	196005	1521

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

ESTT

Thiruvananthapuram

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	153211	12960	747
	Trade	166278	20854	843
	Other Services	244392	37767	3209
	All	205126	71581	4799
U r b a n	Manufacturing	135989	19091	580
	Trade	284717	55948	1724
	Other Services	243567	78936	3957
	All	245181	153975	6261
R u r a l + U r b a n	Manufacturing	142952	32050	1327
	Trade	252557	76802	2567
	Other Services	243832	116705	7166
	All	232469	225557	11060

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

ALL

Thiruvananthapuram

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	78899	38540	1087
	Trade	135036	47885	1193
	Other Services	165764	76989	3542
	All	136273	163414	5822
U r b a n	Manufacturing	92748	40505	734
	Trade	221255	88202	1899
	Other Services	194939	129441	4126
	All	187896	258147	6759
R u r a l + U r b a n	Manufacturing	85996	79045	1821
	Trade	190917	136087	3092
	Other Services	184057	206430	7668
	All	167885	421562	12581

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kollam

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	36000	20349	246
	Trade	83937	28571	214
	Other Services	76040	45794	248
	All	69820	94714	708
U r b a n	Manufacturing	35451	26721	71
	Trade	117730	32094	81
	Other Services	85394	52369	87
	All	82725	111184	239
R u r a l + U r b a n	Manufacturing	35688	47070	317
	Trade	101814	60664	295
	Other Services	81030	98163	335
	All	76788	205898	947

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kollam

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	129002	11495	649
	Trade	159281	19925	699
	Other Services	112215	33005	1691
	All	129766	64425	3039
U r b a n	Manufacturing	154798	16263	275
	Trade	168807	38441	366
	Other Services	132171	48481	650
	All	149386	103185	1291
R u r a l + U r b a n	Manufacturing	144116	27758	924
	Trade	165555	58366	1065
	Other Services	124088	81486	2341
	All	141845	167610	4330

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kollam

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	69571	31843	895
	Trade	114893	48496	913
	Other Services	91193	78799	1939
	All	94088	159139	3747
U r b a n	Manufacturing	80606	42984	346
	Trade	145567	70535	447
	Other Services	107881	100850	737
	All	114812	214369	1530
R u r a l + U r b a n	Manufacturing	75910	74828	1241
	Trade	133069	119031	1360
	Other Services	100561	179649	2676
	All	105982	373508	5277

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Pathanamthitta

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	67611	8012	192
	Trade	119054	16665	205
	Other Services	94747	20778	218
	All	98876	45456	615
U r b a n	Manufacturing	154478	941	68
	Trade	242080	2669	90
	Other Services	274500	5146	85
	All	251722	8755	243
R u r a l + U r b a n	Manufacturing	76738	8953	260
	Trade	136037	19334	295
	Other Services	130427	25924	303
	All	123561	54211	858

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Pathanamthitta

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	178091	10349	544
	Trade	216649	14346	640
	Other Services	175153	17412	1519
	All	190013	42108	2703
U r b a n	Manufacturing	173335	2339	200
	Trade	1178090	6161	418
	Other Services	227513	12185	1696
	All	504505	20685	2314
R u r a l + U r b a n	Manufacturing	177214	12689	744
	Trade	505487	20507	1058
	Other Services	196709	29597	3215
	All	293612	62793	5017

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Pathanamthitta

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	129881	18361	736
	Trade	164203	31012	845
	Other Services	131406	38190	1737
	All	142702	87563	3318
U r b a n	Manufacturing	167927	3280	268
	Trade	895170	8830	508
	Other Services	241464	17330	1781
	All	429330	29440	2557
R u r a l + U r b a n	Manufacturing	135648	21642	1004
	Trade	326201	39841	1353
	Other Services	165760	55521	3518
	All	214823	117003	5875

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Alappuzha

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	26718	34906	184
	Trade	114105	19297	160
	Other Services	103496	20474	156
	All	70350	74677	500
U r b a n	Manufacturing	37523	31127	93
	Trade	109404	42592	92
	Other Services	100278	34837	101
	All	85864	108556	286
R u r a l + U r b a n	Manufacturing	31811	66033	277
	Trade	110870	61889	252
	Other Services	101469	55311	257
	All	79541	183233	786

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Alappuzha

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	135145	11794	912
	Trade	191838	8262	368
	Other Services	202184	14971	1192
	All	177171	35028	2472
U r b a n	Manufacturing	72941	33318	500
	Trade	191329	26921	386
	Other Services	188763	28885	660
	All	146239	89125	1546
R u r a l + U r b a n	Manufacturing	89204	45112	1412
	Trade	191448	35184	754
	Other Services	193345	43857	1852
	All	154966	124153	4018

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Alappuzha

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	54102	46700	1096
	Trade	137409	27560	528
	Other Services	145180	35445	1348
	All	104457	109705	2972
U r b a n	Manufacturing	55834	64445	593
	Trade	141132	69513	478
	Other Services	140388	63723	761
	All	113084	197681	1832
R u r a l + U r b a n	Manufacturing	55106	111145	1689
	Trade	140075	97073	1006
	Other Services	142101	99168	2109
	All	110006	307386	4804

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Idukki

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	46760	14184	179
	Trade	110993	15850	176
	Other Services	114487	21340	177
	All	94711	51374	532
U r b a n	Manufacturing	79124	713	60
	Trade	108975	1556	53
	Other Services	135072	2146	60
	All	116838	4415	173
R u r a l + U r b a n	Manufacturing	48308	14897	239
	Trade	110813	17406	229
	Other Services	116368	23486	237
	All	96462	55789	705

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Idukki

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	156483	8795	547
	Trade	186502	12683	553
	Other Services	183004	20265	1558
	All	178479	41743	2658
U r b a n	Manufacturing	159877	1443	180
	Trade	186789	4281	478
	Other Services	170605	4693	739
	All	175770	10417	1397
R u r a l + U r b a n	Manufacturing	156962	10238	727
	Trade	186575	16964	1031
	Other Services	180679	24958	2297
	All	177941	52159	4055

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Idukki

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	88755	22978	726
	Trade	144557	28533	729
	Other Services	147860	41606	1735
	All	132262	93118	3190
U r b a n	Manufacturing	133173	2156	240
	Trade	166043	5837	531
	Other Services	159457	6839	799
	All	158228	14831	1570
R u r a l + U r b a n	Manufacturing	92565	25134	966
	Trade	148206	34370	1260
	Other Services	149499	48444	2534
	All	135831	107948	4760

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kottayam

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	52543	16550	241
	Trade	93168	31498	248
	Other Services	118002	34968	226
	All	95530	83017	715
U r b a n	Manufacturing	51279	6904	92
	Trade	136962	15323	90
	Other Services	152691	15522	110
	All	127759	37748	292
R u r a l + U r b a n	Manufacturing	52171	23454	333
	Trade	107500	46821	338
	Other Services	128666	50490	336
	All	105603	120765	1007

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kottayam

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	137013	19963	1013
	Trade	199397	24281	959
	Other Services	181609	31563	3660
	All	175563	75807	5632
U r b a n	Manufacturing	138453	10493	300
	Trade	163548	15094	298
	Other Services	442180	33035	1487
	All	316074	58622	2085
R u r a l + U r b a n	Manufacturing	137509	30456	1313
	Trade	185655	39375	1257
	Other Services	314866	64598	5147
	All	236839	134429	7717

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kottayam

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	98726	36513	1254
	Trade	139410	55780	1207
	Other Services	148178	66531	3886
	All	133730	158824	6347
U r b a n	Manufacturing	103858	17397	392
	Trade	150155	30417	388
	Other Services	349643	48557	1597
	All	242310	96371	2377
R u r a l + U r b a n	Manufacturing	100382	53910	1646
	Trade	143201	86196	1595
	Other Services	233179	115089	5483
	All	174735	255194	8724

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Eranakulam

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	61142	13182	209
	Trade	101007	22666	235
	Other Services	150453	23357	235
	All	111638	59206	679
U r b a n	Manufacturing	102948	26740	236
	Trade	139731	36932	256
	Other Services	156481	79941	368
	All	142206	143613	860
R u r a l + U r b a n	Manufacturing	89144	39923	445
	Trade	125004	59599	491
	Other Services	155118	103298	603
	All	133282	202819	1539

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Eranakulam

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	165889	27513	954
	Trade	176441	13956	521
	Other Services	172835	21217	2781
	All	170589	62686	4256
U r b a n	Manufacturing	213089	57302	1322
	Trade	381981	93042	1524
	Other Services	297723	165111	7791
	All	307202	315454	10637
R u r a l + U r b a n	Manufacturing	197778	84815	2276
	Trade	355172	106998	2045
	Other Services	283502	186328	10572
	All	284555	378141	14893

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Eranakulam

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	131959	40696	1163
	Trade	129753	36622	756
	Other Services	161107	44574	3016
	All	141955	121892	4935
U r b a n	Manufacturing	178045	84042	1558
	Trade	313145	129975	1780
	Other Services	251647	245052	8159
	All	255584	459067	11497
R u r a l + U r b a n	Manufacturing	163010	124737	2721
	Trade	272831	166596	2536
	Other Services	237712	289626	11175
	All	231744	580960	16432

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Thrissur

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	66481	20071	171
	Trade	66700	13825	168
	Other Services	83990	40743	217
	All	76079	74639	556
U r b a n	Manufacturing	68715	33814	205
	Trade	95106	44053	231
	Other Services	81543	124440	362
	All	82352	202307	798
R u r a l + U r b a n	Manufacturing	67883	53885	376
	Trade	88321	57878	399
	Other Services	82147	165183	579
	All	80661	276946	1354

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Thrissur

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	139897	20203	688
	Trade	130380	34610	453
	Other Services	117778	33524	1208
	All	127774	88337	2349
U r b a n	Manufacturing	149643	54077	862
	Trade	253767	71001	1399
	Other Services	179321	105757	2633
	All	195267	230835	4894
R u r a l + U r b a n	Manufacturing	146992	74280	1550
	Trade	213333	105611	1852
	Other Services	164508	139281	3841
	All	176587	319172	7243

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Thrissur

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	103309	40275	859
	Trade	112204	48434	621
	Other Services	99242	74267	1425
	All	104100	162976	2905
U r b a n	Manufacturing	118507	87890	1067
	Trade	193018	115054	1630
	Other Services	126464	230197	2995
	All	142528	433142	5692
R u r a l + U r b a n	Manufacturing	113731	128165	1926
	Trade	169076	163488	2251
	Other Services	119824	304465	4420
	All	132022	596118	8597

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Palakkad

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	49666	26011	276
	Trade	111497	26530	256
	Other Services	97945	38543	273
	All	88105	91084	805
U r b a n	Manufacturing	81982	8635	73
	Trade	125790	11417	75
	Other Services	124579	21857	91
	All	116132	41909	239
R u r a l + U r b a n	Manufacturing	57720	34646	349
	Trade	115797	37947	331
	Other Services	107583	60400	364
	All	96937	132993	1044

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Palakkad

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	130466	20665	811
	Trade	132339	22562	707
	Other Services	122627	42545	2354
	All	127070	85771	3872
U r b a n	Manufacturing	143824	8488	249
	Trade	154040	28601	638
	Other Services	155306	36189	1131
	All	153482	73278	2018
R u r a l + U r b a n	Manufacturing	134355	29153	1060
	Trade	144470	51163	1345
	Other Services	137646	78735	3485
	All	139238	159050	5890

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Palakkad

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	85438	46676	1087
	Trade	121076	49092	963
	Other Services	110895	81088	2627
	All	107003	176856	4677
U r b a n	Manufacturing	112637	17123	322
	Trade	145980	40018	713
	Other Services	143736	58045	1222
	All	139893	115186	2257
R u r a l + U r b a n	Manufacturing	92738	63799	1409
	Trade	132260	89110	1676
	Other Services	124595	139134	3849
	All	119975	292043	6934

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Malappuram

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	93812	16004	294
	Trade	149840	25348	275
	Other Services	148425	42311	343
	All	138407	83664	912
U r b a n	Manufacturing	79993	17258	91
	Trade	151955	33710	114
	Other Services	131668	57658	122
	All	129754	108626	327
R u r a l + U r b a n	Manufacturing	86642	33263	385
	Trade	151047	59058	389
	Other Services	138761	99969	465
	All	133519	192290	1239

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Malappuram

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	194766	30399	1168
	Trade	194857	23109	901
	Other Services	155140	27982	2104
	All	181185	81490	4173
U r b a n	Manufacturing	162152	35338	430
	Trade	191462	58788	532
	Other Services	153945	66742	999
	All	169458	160868	1961
R u r a l + U r b a n	Manufacturing	177234	65737	1598
	Trade	192420	81897	1433
	Other Services	154298	94724	3103
	All	173402	242358	6134

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Malappuram

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	159947	46403	1462
	Trade	171308	48457	1176
	Other Services	151099	70293	2447
	All	159515	165153	5085
U r b a n	Manufacturing	135194	52596	521
	Trade	177064	92498	646
	Other Services	143620	124400	1121
	All	153454	269494	2288
R u r a l + U r b a n	Manufacturing	146796	98999	1983
	Trade	175085	140955	1822
	Other Services	146320	194694	3568
	All	155757	434648	7373

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kozhikode

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	74983	5666	80
	Trade	145769	11528	96
	Other Services	165518	13037	107
	All	141019	30231	283
U r b a n	Manufacturing	90282	27601	149
	Trade	139200	30560	149
	Other Services	116414	59082	183
	All	116201	117242	481
R u r a l + U r b a n	Manufacturing	87676	33267	229
	Trade	140999	42088	245
	Other Services	125290	72118	290
	All	121289	147473	764

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kozhikode

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	168258	11797	402
	Trade	134868	15088	346
	Other Services	138713	14954	928
	All	145657	41839	1676
U r b a n	Manufacturing	154108	32994	747
	Trade	255571	71026	1029
	Other Services	191866	68534	2116
	All	210868	172554	3892
R u r a l + U r b a n	Manufacturing	157835	44791	1149
	Trade	234423	86114	1375
	Other Services	182346	83488	3044
	All	198143	214393	5568

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kozhikode

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	137995	17463	482
	Trade	139590	26616	442
	Other Services	151197	27991	1035
	All	143712	72070	1959
U r b a n	Manufacturing	125035	60595	896
	Trade	220564	101586	1178
	Other Services	156935	127616	2299
	All	172569	289796	4373
R u r a l + U r b a n	Manufacturing	127935	78058	1378
	Trade	203753	128202	1620
	Other Services	155902	155606	3334
	All	166822	361866	6332

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Wayanad

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	61865	10598	99
	Trade	133311	9875	83
	Other Services	149168	19479	129
	All	122090	39952	311
U r b a n	Manufacturing	107520	244	43
	Trade	113897	701	55
	Other Services	144986	933	55
	All	128506	1879	153
R u r a l + U r b a n	Manufacturing	62894	10842	142
	Trade	132024	10576	138
	Other Services	148976	20412	184
	All	122379	41830	464

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Wayanad

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	209672	6646	363
	Trade	200396	9101	449
	Other Services	205545	12958	1444
	All	204868	28705	2256
U r b a n	Manufacturing	183904	1041	306
	Trade	280482	2188	328
	Other Services	185399	2563	806
	All	221050	5792	1440
R u r a l + U r b a n	Manufacturing	206182	7688	669
	Trade	215917	11289	777
	Other Services	202218	15520	2250
	All	207585	34497	3696

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Wayanad

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	118834	17244	462
	Trade	165487	18976	532
	Other Services	171689	32437	1573
	All	156700	68657	2567
U r b a n	Manufacturing	169383	1286	349
	Trade	240041	2889	383
	Other Services	174612	3495	861
	All	198382	7670	1593
R u r a l + U r b a n	Manufacturing	122341	18530	811
	Trade	175339	21865	915
	Other Services	171973	35933	2434
	All	160888	76327	4160

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kannur

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	53284	12203	124
	Trade	189845	11293	124
	Other Services	131780	20012	146
	All	124835	43508	394
U r b a n	Manufacturing	63430	17428	81
	Trade	125357	22854	89
	Other Services	144134	26028	141
	All	116451	66310	311
R u r a l + U r b a n	Manufacturing	59251	29631	205
	Trade	146685	34147	213
	Other Services	138764	46039	287
	All	119773	109818	705

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kannur

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	136745	8448	409
	Trade	168216	8152	318
	Other Services	186131	7434	879
	All	162696	24034	1606
U r b a n	Manufacturing	54774	28558	350
	Trade	305942	49066	566
	Other Services	157308	35955	886
	All	195736	113580	1802
R u r a l + U r b a n	Manufacturing	73486	37006	759
	Trade	286320	57218	884
	Other Services	162247	43389	1765
	All	189966	137613	3408

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kannur

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	87426	20651	533
	Trade	180778	19445	442
	Other Services	146502	27446	1025
	All	138307	67542	2000
U r b a n	Manufacturing	58054	45987	431
	Trade	248557	71920	655
	Other Services	151776	61983	1027
	All	166511	179889	2113
R u r a l + U r b a n	Manufacturing	67156	66637	964
	Trade	234132	91365	1097
	Other Services	150157	89429	2052
	All	158811	247431	4113

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kasaragod

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	38685	17209	103
	Trade	267993	4842	86
	Other Services	142979	9821	114
	All	105656	31872	303
U r b a n	Manufacturing	36675	12116	78
	Trade	115116	6398	64
	Other Services	100512	13992	91
	All	79592	32506	233
R u r a l + U r b a n	Manufacturing	37854	29326	181
	Trade	180969	11240	150
	Other Services	118032	23812	205
	All	92497	64377	536

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kasaragod

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	178531	3285	308
	Trade	162761	7664	402
	Other Services	164108	19483	1258
	All	165326	30432	1968
U r b a n	Manufacturing	153139	6240	264
	Trade	199907	14215	302
	Other Services	161971	12432	692
	All	176693	32886	1258
R u r a l + U r b a n	Manufacturing	161897	9525	572
	Trade	186895	21878	704
	Other Services	163281	31913	1950
	All	171232	63317	3226

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kasaragod

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	61103	20494	411
	Trade	203504	12505	488
	Other Services	157031	29303	1372
	All	134803	62303	2271
U r b a n	Manufacturing	76265	18356	342
	Trade	173588	20613	366
	Other Services	129433	26422	783
	All	128427	65391	1491
R u r a l + U r b a n	Manufacturing	68267	38851	753
	Trade	184884	33118	854
	Other Services	143943	55726	2155
	All	131537	127695	3762

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kerala

OAE

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	50410	240526	2738
	Trade	115863	264819	2676
	Other Services	112259	389880	2922
	All	96708	895225	8336
U r b a n	Manufacturing	65029	231657	1494
	Trade	123860	313113	1614
	Other Services	116055	544454	2025
	All	107447	1089224	5133
R u r a l + U r b a n	Manufacturing	57582	472183	4232
	Trade	120196	577932	4290
	Other Services	114471	934333	4947
	All	102602	1984448	13469

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kerala

ESTT

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	157329	204312	9515
	Trade	168301	234593	8159
	Other Services	163971	335082	25785
	All	163531	773986	43459
U r b a n	Manufacturing	145552	306985	6565
	Trade	269149	534773	9988
	Other Services	220984	699498	26243
	All	222672	1541254	42796
R u r a l + U r b a n	Manufacturing	150258	511297	16080
	Trade	238399	769365	18147
	Other Services	202518	1034580	52028
	All	202901	2315241	86255

Table 2: Annual Gross Value Added per worker (in Rs.) by Broad activity category

Kerala

ALL

Sector	Broad Activity Category	GVA per worker	No. of worker	
			Estimated	Sample
R u r a l	Manufacturing	99518	444839	12253
	Trade	140495	499412	10835
	Other Services	136161	724962	28707
	All	127692	1669211	51795
U r b a n	Manufacturing	110921	538641	8059
	Trade	215496	847886	11602
	Other Services	175059	1243951	28268
	All	174960	2630478	47929
R u r a l + U r b a n	Manufacturing	105763	983480	20312
	Trade	187695	1347297	22437
	Other Services	160737	1968912	56975
	All	156609	4299689	99724

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thiruvananthapuram

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	55433	19036	290
	Trade	144584	20740	259
	Other Services	98070	36014	308
	All	100090	75789	857
U r b a n	Manufacturing	67255	17257	132
	Trade	149938	23915	126
	Other Services	127497	47113	152
	All	121800	88286	410
R u r a l + U r b a n	Manufacturing	61054	36293	422
	Trade	147451	44655	385
	Other Services	114748	83127	460
	All	111772	164075	1267

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thiruvananthapuram

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	557923	3559	203
	Trade	483385	7174	264
	Other Services	1230151	7503	412
	All	805183	18235	879
U r b a n	Manufacturing	475152	5464	130
	Trade	1086210	14665	204
	Other Services	1603507	11972	399
	All	1175132	32101	733
R u r a l + U r b a n	Manufacturing	507800	9023	333
	Trade	888193	21839	468
	Other Services	1459671	19475	811
	All	1041111	50336	1612

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thiruvananthapuram

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	134579	22595	493
	Trade	231654	27914	523
	Other Services	293253	43516	720
	All	236836	94025	1736
U r b a n	Manufacturing	165341	22721	262
	Trade	505831	38580	330
	Other Services	426574	59085	551
	All	402669	120387	1143
R u r a l + U r b a n	Manufacturing	150003	45316	755
	Trade	390733	66494	853
	Other Services	370028	102601	1271
	All	329947	214411	2879

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kollam

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	46789	15657	195
	Trade	96311	24900	186
	Other Services	77198	45107	231
	All	77196	85664	612
U r b a n	Manufacturing	38446	24640	63
	Trade	131607	28709	68
	Other Services	83559	53519	83
	All	86066	106868	214
R u r a l + U r b a n	Manufacturing	41687	40296	258
	Trade	115213	53610	254
	Other Services	80650	98626	314
	All	82119	192532	826

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kollam

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	407921	3635	202
	Trade	489327	6486	224
	Other Services	370862	9960	414
	All	415832	20081	840
U r b a n	Manufacturing	494026	5096	73
	Trade	590721	10985	96
	Other Services	485054	13210	170
	All	526243	29291	339
R u r a l + U r b a n	Manufacturing	458177	8731	275
	Trade	553080	17471	320
	Other Services	435967	23171	584
	All	481336	49373	1179

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kollam

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	114834	19292	397
	Trade	177526	31386	410
	Other Services	130314	55067	645
	All	141503	105745	1452
U r b a n	Manufacturing	116521	29735	136
	Trade	258663	39695	164
	Other Services	163042	66730	253
	All	180759	136160	553
R u r a l + U r b a n	Manufacturing	115858	49027	533
	Trade	222837	71081	574
	Other Services	148245	121797	898
	All	163599	241905	2005

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Pathanamthitta

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	76273	7102	160
	Trade	140174	14154	157
	Other Services	92026	21393	190
	All	105382	42649	507
U r b a n	Manufacturing	168055	865	62
	Trade	303855	2126	74
	Other Services	272491	5184	84
	All	269602	8175	220
R u r a l + U r b a n	Manufacturing	86234	7967	222
	Trade	161552	16280	231
	Other Services	127225	26576	274
	All	131795	50824	727

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Pathanamthitta

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	589456	3127	165
	Trade	639931	4857	200
	Other Services	582792	5233	357
	All	605367	13217	722
U r b a n	Manufacturing	585062	693	61
	Trade	4664161	1556	89
	Other Services	1339549	2069	147
	All	2416387	4319	297
R u r a l + U r b a n	Manufacturing	588659	3820	226
	Trade	1616396	6413	289
	Other Services	797255	7302	504
	All	1051394	17535	1019

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Pathanamthitta

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	233137	10229	325
	Trade	267852	19011	357
	Other Services	188480	26626	547
	All	223667	55866	1229
U r b a n	Manufacturing	353598	1558	123
	Trade	2146441	3682	163
	Other Services	576948	7253	231
	All	1011710	12493	517
R u r a l + U r b a n	Manufacturing	249057	11787	448
	Trade	572683	22694	520
	Other Services	271648	33879	778
	All	367689	68359	1746

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Alappuzha

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	44772	20831	136
	Trade	130787	16836	128
	Other Services	104378	20301	147
	All	90629	57968	411
U r b a n	Manufacturing	41037	28461	72
	Trade	131730	35373	70
	Other Services	104154	33540	87
	All	95723	97375	229
R u r a l + U r b a n	Manufacturing	42615	49292	208
	Trade	131426	52209	198
	Other Services	104239	53841	234
	All	93822	155342	640

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Alappuzha

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	615239	2591	143
	Trade	541898	2925	126
	Other Services	655838	4615	219
	All	612557	10130	488
U r b a n	Manufacturing	547918	4435	83
	Trade	582626	8841	93
	Other Services	734255	7308	149
	All	628982	20585	325
R u r a l + U r b a n	Manufacturing	572741	7026	226
	Trade	572501	11766	219
	Other Services	703905	11923	368
	All	623565	30715	813

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Alappuzha

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	107874	23421	279
	Trade	191638	19761	254
	Other Services	206517	24916	366
	All	168272	68098	899
U r b a n	Manufacturing	109380	32897	155
	Trade	221888	44214	163
	Other Services	216888	40849	236
	All	188780	117959	554
R u r a l + U r b a n	Manufacturing	108753	56318	434
	Trade	212544	63975	417
	Other Services	212959	65764	602
	All	181274	186058	1453

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kottayam

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	61484	14143	187
	Trade	118330	24800	191
	Other Services	106759	38651	227
	All	102205	77595	605
U r b a n	Manufacturing	62499	5665	76
	Trade	154371	13595	73
	Other Services	155629	15229	87
	All	139837	34488	236
R u r a l + U r b a n	Manufacturing	61775	19808	263
	Trade	131091	38395	264
	Other Services	120572	53880	314
	All	113785	112083	841

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kottayam

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	556812	4912	237
	Trade	675238	7169	236
	Other Services	940281	6065	401
	All	731760	18146	874
U r b a n	Manufacturing	579333	2508	69
	Trade	593060	4162	75
	Other Services	3701652	3935	119
	All	1743225	10605	263
R u r a l + U r b a n	Manufacturing	564424	7420	306
	Trade	645051	11332	311
	Other Services	2026897	10000	520
	All	1104845	28751	1137

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kottayam

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	189175	19055	424
	Trade	243217	31970	427
	Other Services	219807	44716	628
	All	221528	95741	1479
U r b a n	Manufacturing	221090	8172	145
	Trade	257205	17757	148
	Other Services	883742	19164	206
	All	516924	45093	499
R u r a l + U r b a n	Manufacturing	198754	27228	569
	Trade	248212	49727	575
	Other Services	418985	63879	834
	All	316109	140834	1978

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Idukki

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	74050	8956	139
	Trade	143197	12286	137
	Other Services	101147	24155	165
	All	107181	45397	441
U r b a n	Manufacturing	102338	551	48
	Trade	138994	1220	41
	Other Services	144647	2004	53
	All	136642	3775	142
R u r a l + U r b a n	Manufacturing	75690	9508	187
	Trade	142817	13506	178
	Other Services	104479	26159	218
	All	109443	49172	583

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Idukki

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	540444	2546	132
	Trade	575014	4114	146
	Other Services	955866	3871	250
	All	706650	10531	528
U r b a n	Manufacturing	615702	375	47
	Trade	742847	1076	78
	Other Services	710883	1124	119
	All	710394	2575	244
R u r a l + U r b a n	Manufacturing	550097	2921	179
	Trade	609820	5190	224
	Other Services	900752	4995	369
	All	707386	13106	772

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Idukki

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	177299	11503	271
	Trade	251516	16399	283
	Other Services	219207	28026	415
	All	220061	55928	969
U r b a n	Manufacturing	310082	926	95
	Trade	422030	2296	119
	Other Services	348106	3127	172
	All	369296	6350	386
R u r a l + U r b a n	Manufacturing	187190	12429	366
	Trade	272460	18696	402
	Other Services	232146	31153	587
	All	235277	62278	1355

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Ernakulam

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	75150	10725	168
	Trade	145098	15778	173
	Other Services	161496	21760	206
	All	136947	48264	547
U r b a n	Manufacturing	137723	19988	176
	Trade	189105	27290	188
	Other Services	190267	65745	263
	All	180694	113023	627
R u r a l + U r b a n	Manufacturing	115872	30714	344
	Trade	172983	43068	361
	Other Services	183112	87506	469
	All	167603	161287	1174

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Eranakulam

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	904210	5048	193
	Trade	463748	5310	177
	Other Services	694376	5273	233
	All	683795	15630	603
U r b a n	Manufacturing	934835	13062	282
	Trade	1487155	23898	335
	Other Services	2035175	24125	640
	All	1585492	61085	1257
R u r a l + U r b a n	Manufacturing	926298	18109	475
	Trade	1301112	29208	512
	Other Services	1794692	29398	873
	All	1401778	76715	1860

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Eranakulam

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	340464	15773	361
	Trade	225329	21088	350
	Other Services	265434	27033	439
	All	270720	63894	1150
U r b a n	Manufacturing	452748	33050	458
	Trade	795129	51188	523
	Other Services	685519	89871	903
	All	673559	174108	1884
R u r a l + U r b a n	Manufacturing	416473	48823	819
	Trade	628877	72276	873
	Other Services	588378	116903	1342
	All	565413	238002	3034

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thrissur

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	89074	14980	128
	Trade	80652	11433	119
	Other Services	118775	28811	143
	All	102826	55224	390
U r b a n	Manufacturing	87239	26634	161
	Trade	135506	30919	159
	Other Services	138431	73302	196
	All	127321	130855	516
R u r a l + U r b a n	Manufacturing	87900	41614	289
	Trade	120698	42352	278
	Other Services	132885	102113	339
	All	120051	186079	906

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thrissur

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	514202	5497	163
	Trade	429748	10500	126
	Other Services	490365	8050	230
	All	469345	24046	519
U r b a n	Manufacturing	683699	11836	185
	Trade	994456	18118	204
	Other Services	1074312	17617	343
	All	946712	47571	732
R u r a l + U r b a n	Manufacturing	629947	17332	348
	Trade	787259	28618	330
	Other Services	891174	25667	573
	All	786429	71617	1251

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Thrissur

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	203192	20477	291
	Trade	247777	21933	245
	Other Services	199924	36861	373
	All	214008	79270	909
U r b a n	Manufacturing	270750	38470	346
	Trade	452862	49036	363
	Other Services	319777	90919	539
	All	345782	178425	1248
R u r a l + U r b a n	Manufacturing	247282	58947	637
	Trade	389481	70970	608
	Other Services	285203	127780	912
	All	305247	257696	2157

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Palakkad

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	60690	21286	221
	Trade	136418	21683	213
	Other Services	96286	39208	259
	All	97655	82177	693
U r b a n	Manufacturing	95784	7391	63
	Trade	147409	9743	64
	Other Services	141884	19191	80
	All	133986	36324	207
R u r a l + U r b a n	Manufacturing	69735	28677	284
	Trade	139826	31426	277
	Other Services	111270	58398	339
	All	108791	118502	900

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Palakkad

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	441759	6103	232
	Trade	385171	7752	253
	Other Services	580194	8956	428
	All	476883	22811	913
U r b a n	Manufacturing	515208	2369	70
	Trade	603157	7304	101
	Other Services	796856	7052	185
	All	672366	16726	356
R u r a l + U r b a n	Manufacturing	462300	8472	302
	Trade	490925	15056	354
	Other Services	675639	16008	613
	All	559581	39537	1269

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Palakkad

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	145602	27389	453
	Trade	201928	29435	466
	Other Services	186271	48164	687
	All	180051	104989	1606
U r b a n	Manufacturing	197605	9760	133
	Trade	342689	17047	165
	Other Services	317889	26243	265
	All	303729	53050	563
R u r a l + U r b a n	Manufacturing	159265	37150	586
	Trade	253551	46482	631
	Other Services	232692	74407	952
	All	221567	158039	2169

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Malappuram

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	116487	12889	229
	Trade	181175	20964	234
	Other Services	156853	40038	313
	All	156712	73891	776
U r b a n	Manufacturing	105716	13059	71
	Trade	174636	29332	86
	Other Services	151974	49955	103
	All	152630	92345	260
R u r a l + U r b a n	Manufacturing	111066	25948	300
	Trade	177361	50296	320
	Other Services	154144	89992	416
	All	154445	166236	1036

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Malappuram

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	774969	7640	319
	Trade	537595	8376	295
	Other Services	607709	7008	502
	All	637704	23023	1116
U r b a n	Manufacturing	570171	10050	118
	Trade	622979	18068	126
	Other Services	575858	17839	228
	All	593140	45956	472
R u r a l + U r b a n	Manufacturing	658620	17690	437
	Trade	595934	26443	421
	Other Services	584841	24846	730
	All	608014	68980	1588

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Malappuram

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	361542	20529	548
	Trade	282925	29340	529
	Other Services	224009	47045	815
	All	270979	96914	1892
U r b a n	Manufacturing	307705	23109	189
	Trade	345533	47400	212
	Other Services	263512	67793	331
	All	299007	138301	732
R u r a l + U r b a n	Manufacturing	333033	43638	737
	Trade	321596	76740	741
	Other Services	247330	114839	1146
	All	287459	235216	2624

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kozhikode

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	81852	5191	72
	Trade	162853	10319	85
	Other Services	149092	14473	105
	All	142187	29982	262
U r b a n	Manufacturing	110681	22514	117
	Trade	171821	24758	114
	Other Services	120453	57100	165
	All	130530	104372	396
R u r a l + U r b a n	Manufacturing	105280	27704	189
	Trade	169182	35076	199
	Other Services	126244	71573	270
	All	133131	134354	658

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kozhikode

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	599176	3313	116
	Trade	393083	5177	123
	Other Services	474386	4371	223
	All	473805	12861	462
U r b a n	Manufacturing	669247	7597	173
	Trade	1006534	18034	211
	Other Services	944108	13788	356
	All	919693	39420	740
R u r a l + U r b a n	Manufacturing	647970	10910	289
	Trade	869718	23211	334
	Other Services	831042	18160	579
	All	810009	52281	1202

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kozhikode

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	283396	8503	188
	Trade	239768	15495	208
	Other Services	224549	18844	328
	All	241733	42843	724
U r b a n	Manufacturing	251615	30111	290
	Trade	523604	42792	325
	Other Services	280660	70889	521
	All	346877	143792	1136
R u r a l + U r b a n	Manufacturing	258613	38615	478
	Trade	448148	58288	533
	Other Services	268877	89733	849
	All	322741	186635	1860

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Wayanad

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	74743	8772	84
	Trade	141745	9287	72
	Other Services	159777	18186	109
	All	134577	36245	265
U r b a n	Manufacturing	138141	190	33
	Trade	145937	547	43
	Other Services	154943	873	52
	All	149898	1611	128
R u r a l + U r b a n	Manufacturing	76088	8962	117
	Trade	141978	9834	115
	Other Services	159555	19059	161
	All	135229	37855	393

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Wayanad

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	554422	2514	116
	Trade	509852	3577	128
	Other Services	1222367	2179	247
	All	711130	8270	491
U r b a n	Manufacturing	955858	200	57
	Trade	1082782	567	71
	Other Services	918087	517	135
	All	996672	1284	263
R u r a l + U r b a n	Manufacturing	584053	2714	173
	Trade	588207	4144	199
	Other Services	1164015	2696	382
	All	749507	9554	754

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Wayanad

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	181580	11285	200
	Trade	244108	12864	200
	Other Services	273465	20365	356
	All	241687	44514	756
U r b a n	Manufacturing	557584	391	90
	Trade	622482	1114	114
	Other Services	438775	1390	187
	All	525513	2895	391
R u r a l + U r b a n	Manufacturing	194156	11676	290
	Trade	274267	13979	314
	Other Services	284028	21755	543
	All	259017	47409	1147

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kannur

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	62584	10390	113
	Trade	203943	10512	112
	Other Services	110647	23834	145
	All	121408	44736	370
U r b a n	Manufacturing	64756	17071	74
	Trade	152556	18780	71
	Other Services	152666	24573	103
	All	127795	60424	248
R u r a l + U r b a n	Manufacturing	63934	27461	187
	Trade	170998	29292	183
	Other Services	131978	48407	248
	All	125078	105160	618

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kannur

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	445966	2590	125
	Trade	457765	2996	118
	Other Services	589241	2348	212
	All	492826	7934	455
U r b a n	Manufacturing	204962	7632	97
	Trade	1146223	13096	131
	Other Services	615087	8947	196
	All	744015	29675	424
R u r a l + U r b a n	Manufacturing	266032	10222	222
	Trade	1018064	16092	249
	Other Services	609714	11295	408
	All	691023	37609	879

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kannur

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	139092	12980	238
	Trade	260231	13508	230
	Other Services	153573	26182	357
	All	177358	52670	825
U r b a n	Manufacturing	108072	24703	171
	Trade	560808	31876	202
	Other Services	276089	33520	299
	All	330753	90099	672
R u r a l + U r b a n	Manufacturing	118757	37683	409
	Trade	471345	45384	432
	Other Services	222360	59702	656
	All	274163	142769	1497

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kasaragod

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	38742	17184	98
	Trade	272298	4765	79
	Other Services	164348	8544	91
	All	110435	30493	268
U r b a n	Manufacturing	41033	10830	71
	Trade	127755	5765	59
	Other Services	146192	9620	75
	All	98694	26215	205
R u r a l + U r b a n	Manufacturing	39628	28013	169
	Trade	193162	10530	138
	Other Services	154732	18164	166
	All	105007	56707	473

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kasaragod

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	627415	935	98
	Trade	435554	2864	111
	Other Services	1389889	2300	220
	All	824882	6099	429
U r b a n	Manufacturing	544962	1753	76
	Trade	612845	4637	84
	Other Services	649064	3101	144
	All	612136	9491	304
R u r a l + U r b a n	Manufacturing	573635	2688	174
	Trade	545153	7500	195
	Other Services	964561	5401	364
	All	695363	15590	733

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kasaragod

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	69116	18118	196
	Trade	333583	7629	190
	Other Services	424280	10844	311
	All	229511	36592	697
U r b a n	Manufacturing	111256	12583	147
	Trade	343987	10402	143
	Other Services	268771	12721	219
	All	235173	35706	509
R u r a l + U r b a n	Manufacturing	86387	30701	343
	Trade	339585	18031	333
	Other Services	340335	23565	530
	All	232307	72297	1206

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kerala

OAE

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	64790	187142	2220
	Trade	140451	218458	2145
	Other Services	115034	380474	2639
	All	110136	786074	7004
U r b a n	Manufacturing	77208	195115	1219
	Trade	153854	252072	1236
	Other Services	138280	456948	1583
	All	129442	904135	4038
R u r a l + U r b a n	Manufacturing	71129	382257	3439
	Trade	147631	470531	3381
	Other Services	127718	837421	4222
	All	120463	1690209	11042

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kerala

ESTT

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	595168	54009	2444
	Trade	498032	79275	2527
	Other Services	704781	77731	4348
	All	599053	211015	9319
U r b a n	Manufacturing	611495	73070	1521
	Trade	992589	145008	1898
	Other Services	1161594	132605	3330
	All	977089	350683	6749
R u r a l + U r b a n	Manufacturing	604556	127079	3965
	Trade	817783	224283	4425
	Other Services	992776	210336	7678
	All	835071	561698	16068

Table 3: Annual Gross Value Added per enterprise (in Rs.) by Broad activity category

Kerala

ALL

Sector	Broad Activity Category	GVA per enterprise	No. of enterprises	
			Estimated	Sample
R u r a l	Manufacturing	183576	241150	4664
	Trade	235661	297734	4672
	Other Services	215081	458205	6987
	All	213606	997089	16323
U r b a n	Manufacturing	222781	268186	2740
	Trade	460147	397080	3134
	Other Services	368449	589553	4913
	All	366333	1254818	10787
R u r a l + U r b a n	Manufacturing	204219	509336	7404
	Trade	363953	694814	7806
	Other Services	301378	1047758	11900
	All	298710	2251907	27110

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thiruvananthapuram

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	115704	134	19036	290
	Trade	58159	767	20740	259
	Other Services	91064	44	36014	308
	All	67861	945	75789	857
U r b a n	Manufacturing	144678	779	17257	132
	Trade	112179	176	23915	126
	Other Services	53157	346	47113	152
	All	115940	1302	88286	410
R u r a l + U r b a n	Manufacturing	140428	913	36293	422
	Trade	68241	943	44655	385
	Other Services	57462	391	83127	460
	All	95715	2247	164075	1267

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thiruvananthapuram

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	127526	8569	3559	203
	Trade	111522	12367	7174	264
	Other Services	142498	27382	7527	414
	All	131915	48318	18259	881
U r b a n	Manufacturing	116561	11803	5464	130
	Trade	150034	35487	14665	204
	Other Services	144186	62934	12041	401
	All	143111	110224	32170	735
R u r a l + U r b a n	Manufacturing	121173	20372	9023	333
	Trade	140082	47854	21839	468
	Other Services	143674	90317	19568	815
	All	139698	158544	50429	1616

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thiruvananthapuram

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	127344	8703	22595	493
	Trade	108407	13133	27914	523
	Other Services	142415	27427	43540	722
	All	130686	49263	94049	1738
U r b a n	Manufacturing	118303	12582	22721	262
	Trade	149848	35663	38580	330
	Other Services	143688	63280	59154	553
	All	142794	111526	120456	1145
R u r a l + U r b a n	Manufacturing	121999	21286	45316	755
	Trade	138694	48797	66494	853
	Other Services	143302	90708	102694	1275
	All	139084	160790	214504	2883

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kollam

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	58361	134	15657	195
	Trade	28800	29	24900	186
	Other Services	54032	414	45107	231
	All	53760	577	85664	612
U r b a n	Manufacturing	127544	71	24640	63
	Trade	53500	335	28709	68
	Other Services	0	0	53519	83
	All	66458	407	106868	214
R u r a l + U r b a n	Manufacturing	82392	205	40296	258
	Trade	51525	365	53610	254
	Other Services	54032	414	98626	314
	All	59008	984	192532	826

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kollam

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	110450	6490	3635	202
	Trade	82228	12848	6486	224
	Other Services	80848	23898	9991	418
	All	85702	43237	20112	844
U r b a n	Manufacturing	106637	10789	5096	73
	Trade	100571	24914	10985	96
	Other Services	90624	33926	13210	170
	All	96664	69629	29291	339
R u r a l + U r b a n	Manufacturing	108069	17280	8731	275
	Trade	94330	37762	17471	320
	Other Services	86584	57824	23202	588
	All	92465	112866	49404	1183

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kollam

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	109399	6624	19292	397
	Trade	82107	12877	31386	410
	Other Services	80391	24313	55098	649
	All	85281	43814	105776	1456
U r b a n	Manufacturing	106774	10860	29735	136
	Trade	99946	25250	39695	164
	Other Services	90624	33926	66730	253
	All	96489	70036	136160	553
R u r a l + U r b a n	Manufacturing	107768	17484	49027	533
	Trade	93921	38127	71081	574
	Other Services	86352	58238	121828	902
	All	92176	113849	241936	2009

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Pathanamthitta

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	55151	437	7102	160
	Trade	0	0	14154	157
	Other Services	58076	85	21393	190
	All	55626	521	42649	507
U r b a n	Manufacturing	240000	20	865	62
	Trade	120000	28	2126	74
	Other Services	90242	118	5184	84
	All	113240	165	8175	220
R u r a l + U r b a n	Manufacturing	63210	457	7967	222
	Trade	120000	28	16280	231
	Other Services	76794	203	26576	274
	All	69501	687	50824	727

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Pathanamthitta

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	135932	7057	3127	165
	Trade	103792	8992	4857	200
	Other Services	126828	11912	5237	358
	All	121718	27960	13221	723
U r b a n	Manufacturing	118517	1622	693	61
	Trade	131937	4430	1556	89
	Other Services	222684	8820	2069	147
	All	184292	14872	4319	297
R u r a l + U r b a n	Manufacturing	132677	8679	3820	226
	Trade	113081	13421	6413	289
	Other Services	167609	20732	7306	505
	All	143445	42832	17539	1020

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Pathanamthitta

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	131224	7493	10229	325
	Trade	103792	8992	19011	357
	Other Services	126342	11996	26630	548
	All	120507	28481	55870	1230
U r b a n	Manufacturing	119990	1642	1558	123
	Trade	131863	4457	3682	163
	Other Services	220938	8938	7253	231
	All	183511	15037	12493	517
R u r a l + U r b a n	Manufacturing	129205	9135	11787	448
	Trade	113096	13449	22694	520
	Other Services	166730	20934	33883	779
	All	142277	43519	68363	1747

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Alappuzha

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	139630	280	20831	136
	Trade	102674	420	16836	128
	Other Services	123322	67	20301	147
	All	117974	767	57968	411
U r b a n	Manufacturing	0	0	28461	72
	Trade	0	0	35373	70
	Other Services	90000	37	33540	87
	All	90000	37	97375	229
R u r a l + U r b a n	Manufacturing	139630	280	49292	208
	Trade	102674	420	52209	198
	Other Services	111506	104	53841	234
	All	116693	804	155342	640

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Alappuzha

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	92155	8344	2591	143
	Trade	112682	4488	2925	126
	Other Services	384143	10179	4625	220
	All	225321	23011	10140	489
U r b a n	Manufacturing	58313	27485	4435	83
	Trade	95386	16471	8841	93
	Other Services	143064	19915	7358	150
	All	94299	63871	20635	326
R u r a l + U r b a n	Manufacturing	66194	35829	7026	226
	Trade	99090	20959	11766	219
	Other Services	224606	30094	11983	370
	All	129001	86882	30775	815

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Alappuzha

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	93696	8624	23421	279
	Trade	111826	4907	19761	254
	Other Services	382439	10246	24926	367
	All	221859	23778	68108	900
U r b a n	Manufacturing	58313	27485	32897	155
	Trade	95386	16471	44214	163
	Other Services	142966	19952	40899	237
	All	94297	63908	118009	555
R u r a l + U r b a n	Manufacturing	66764	36109	56318	434
	Trade	99160	21379	63975	417
	Other Services	224218	30198	65824	604
	All	128887	87686	186118	1455

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Idukki

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	108000	6	8956	139
	Trade	85569	30	12286	137
	Other Services	0	0	24155	165
	All	89109	36	45397	441
U r b a n	Manufacturing	106162	19	551	48
	Trade	70857	109	1220	41
	Other Services	96000	3	2004	53
	All	76426	131	3775	142
R u r a l + U r b a n	Manufacturing	106593	24	9508	187
	Trade	74052	140	13506	178
	Other Services	96000	3	26159	218
	All	79164	167	49172	583

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Idukki

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	122375	5818	2546	132
	Trade	130109	7320	4114	146
	Other Services	145274	14359	4007	255
	All	136392	27497	10667	533
U r b a n	Manufacturing	127029	1014	375	47
	Trade	124685	2901	1076	78
	Other Services	114073	3319	1131	120
	All	120145	7234	2582	245
R u r a l + U r b a n	Manufacturing	123066	6832	2921	179
	Trade	128569	10221	5190	224
	Other Services	139411	17679	5139	375
	All	133005	34732	13250	778

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Idukki

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	122361	5823	11503	271
	Trade	129925	7350	16399	283
	Other Services	145274	14359	28162	420
	All	136330	27533	56064	974
U r b a n	Manufacturing	126654	1032	926	95
	Trade	122732	3011	2296	119
	Other Services	114058	3322	3134	173
	All	119369	7365	6357	387
R u r a l + U r b a n	Manufacturing	123008	6856	12429	366
	Trade	127835	10361	18696	402
	Other Services	139404	17682	31297	593
	All	132749	34899	62422	1361

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kottayam

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	64191	280	14143	187
	Trade	36000	22	24800	191
	Other Services	42000	3	38651	227
	All	61931	305	77595	605
U r b a n	Manufacturing	28800	57	5665	76
	Trade	24000	40	13595	73
	Other Services	0	0	15332	88
	All	26818	97	34591	237
R u r a l + U r b a n	Manufacturing	58193	337	19808	263
	Trade	28236	62	38395	264
	Other Services	42000	3	53983	315
	All	53442	402	112186	842

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kottayam

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	108934	13974	4912	237
	Trade	107360	14995	7197	237
	Other Services	124530	23400	6146	409
	All	115454	52368	18254	883
U r b a n	Manufacturing	106131	7194	2508	69
	Trade	108772	9801	4162	75
	Other Services	150070	26240	3995	120
	All	133397	43236	10665	264
R u r a l + U r b a n	Manufacturing	107981	21169	7420	306
	Trade	107918	24796	11360	312
	Other Services	138032	49640	10141	529
	All	123568	95605	28919	1147

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kottayam

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	108056	14254	19055	424
	Trade	107255	15016	31998	428
	Other Services	124518	23404	44797	636
	All	115144	52673	95849	1488
U r b a n	Manufacturing	105523	7252	8172	145
	Trade	108426	9841	17757	148
	Other Services	150070	26240	19327	208
	All	133158	43333	45256	501
R u r a l + U r b a n	Manufacturing	107202	21505	27228	569
	Trade	107719	24858	49755	576
	Other Services	138025	49644	64123	844
	All	123275	96007	141105	1989

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Eranakulam

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	77170	685	10725	168
	Trade	111439	214	15778	173
	Other Services	33600	5	21799	207
	All	85043	904	48303	548
U r b a n	Manufacturing	93711	1503	19988	176
	Trade	159855	770	27290	188
	Other Services	143426	2163	65745	263
	All	129429	4435	113023	627
R u r a l + U r b a n	Manufacturing	88535	2188	30714	344
	Trade	149312	984	43068	361
	Other Services	143164	2168	87545	470
	All	121914	5340	161326	1175

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Eranakulam

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	101581	19286	5048	193
	Trade	98202	7514	5310	177
	Other Services	144733	12996	5290	235
	All	115035	39796	15647	605
U r b a n	Manufacturing	143119	40147	13125	283
	Trade	133214	61678	23898	335
	Other Services	161526	130850	24284	645
	All	150845	232676	61306	1263
R u r a l + U r b a n	Manufacturing	129640	59433	18172	476
	Trade	129412	69192	29208	512
	Other Services	160009	143845	29573	880
	All	145615	272470	76953	1868

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Eranakulam

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	100744	19971	15773	361
	Trade	98569	7728	21088	350
	Other Services	144689	13001	27089	442
	All	114368	40700	63950	1153
U r b a n	Manufacturing	141336	41650	33113	459
	Trade	133542	62448	51188	523
	Other Services	161232	133013	90030	908
	All	150445	237111	174329	1890
R u r a l + U r b a n	Manufacturing	128181	61621	48886	820
	Trade	129691	70176	72276	873
	Other Services	159760	146013	117118	1350
	All	145159	277810	238279	3043

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thrissur

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	95846	815	14980	128
	Trade	48417	327	11433	119
	Other Services	42740	1197	29033	145
	All	62034	2338	55446	392
U r b a n	Manufacturing	141220	423	26634	161
	Trade	78346	665	30919	159
	Other Services	74631	281	73852	199
	All	97007	1368	131405	519
R u r a l + U r b a n	Manufacturing	111348	1237	41614	289
	Trade	68479	992	42352	278
	Other Services	48797	1477	102886	344
	All	74945	3707	186852	911

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thrissur

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	112788	14127	5497	163
	Trade	97607	21453	10500	126
	Other Services	109319	23126	8054	231
	All	105874	58706	24050	520
U r b a n	Manufacturing	108543	36672	11836	185
	Trade	114379	50448	18123	205
	Other Services	149354	71293	17748	345
	All	128767	158414	47707	735
R u r a l + U r b a n	Manufacturing	109723	50800	17332	348
	Trade	109374	71901	28623	331
	Other Services	139548	94419	25802	576
	All	122578	217119	71757	1255

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Thrissur

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	111864	14942	20477	291
	Trade	96868	21780	21933	245
	Other Services	106044	24322	37087	376
	All	104195	61044	79496	912
U r b a n	Manufacturing	108915	37095	38470	346
	Trade	113910	51113	49041	364
	Other Services	149061	71574	91601	544
	All	128496	159782	179111	1254
R u r a l + U r b a n	Manufacturing	109762	52037	58947	637
	Trade	108817	72893	70975	609
	Other Services	138150	95896	128688	920
	All	121778	220826	258608	2166

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Palakkad

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	136706	87	21286	221
	Trade	0	0	21683	213
	Other Services	64800	5	39246	260
	All	132651	92	82215	694
U r b a n	Manufacturing	50262	557	7391	63
	Trade	0	0	9743	64
	Other Services	42000	389	19191	80
	All	46864	947	36324	207
R u r a l + U r b a n	Manufacturing	61926	644	28677	284
	Trade	0	0	31426	277
	Other Services	42300	395	58436	340
	All	54473	1039	118540	901

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Palakkad

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	102018	13334	6103	232
	Trade	89948	13537	7752	253
	Other Services	105929	31818	9156	430
	All	101354	58689	23011	915
U r b a n	Manufacturing	107106	5804	2369	70
	Trade	96865	20684	7304	101
	Other Services	114143	28079	7070	186
	All	106845	54568	16744	357
R u r a l + U r b a n	Manufacturing	103561	19139	8472	302
	Trade	94129	34220	15056	354
	Other Services	109779	59898	16226	616
	All	104000	113257	39755	1272

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Palakkad

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	102242	13421	27389	453
	Trade	89948	13537	29435	466
	Other Services	105923	31823	48402	690
	All	101404	58781	105227	1609
U r b a n	Manufacturing	102125	6362	9760	133
	Trade	96865	20684	17047	165
	Other Services	113157	28469	26261	266
	All	105823	55515	53068	564
R u r a l + U r b a n	Manufacturing	102204	19783	37150	586
	Trade	94129	34220	46482	631
	Other Services	109338	60292	74663	956
	All	103550	114296	158295	2173

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Malappuram

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	84650	225	12889	229
	Trade	44720	398	20964	234
	Other Services	94102	303	40443	318
	All	70596	926	74296	781
U r b a n	Manufacturing	0	0	13059	71
	Trade	178565	2683	29332	86
	Other Services	130440	282	49955	103
	All	173989	2965	92345	260
R u r a l + U r b a n	Manufacturing	84650	225	25948	300
	Trade	161293	3080	50296	320
	Other Services	111611	585	90397	421
	All	149391	3890	166641	1041

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Malappuram

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	147506	20975	7640	319
	Trade	115455	13191	8376	295
	Other Services	114837	19606	7215	506
	All	127733	53771	23230	1120
U r b a n	Manufacturing	117646	24596	10050	118
	Trade	110362	38143	18068	126
	Other Services	114022	44693	17957	232
	All	113553	107431	46074	476
R u r a l + U r b a n	Manufacturing	131390	45571	17690	437
	Trade	111671	51333	26443	421
	Other Services	114271	64298	25171	738
	All	118283	161203	69305	1596

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Malappuram

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	146839	21200	20529	548
	Trade	113386	13588	29340	529
	Other Services	114521	19909	47657	824
	All	126765	54697	97526	1901
U r b a n	Manufacturing	117646	24596	23109	189
	Trade	114844	40825	47400	212
	Other Services	114125	44975	67911	335
	All	115176	110396	138419	736
R u r a l + U r b a n	Manufacturing	131160	45796	43638	737
	Trade	114480	54414	76740	741
	Other Services	114247	64883	115569	1159
	All	119015	165093	235946	2637

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kozhikode

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	99600	42	5191	72
	Trade	72931	190	10319	85
	Other Services	126000	46	14473	105
	All	85762	278	29982	262
U r b a n	Manufacturing	63376	855	22514	117
	Trade	54000	314	24758	114
	Other Services	60494	668	57100	165
	All	60727	1837	104372	396
R u r a l + U r b a n	Manufacturing	65063	897	27704	189
	Trade	61149	504	35076	199
	Other Services	64741	714	71573	270
	All	64022	2115	134354	658

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kozhikode

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	122174	8205	3313	116
	Trade	92780	9615	5177	123
	Other Services	108372	9725	4382	226
	All	107041	27544	12872	465
U r b a n	Manufacturing	123356	24004	7597	173
	Trade	126622	49125	18034	211
	Other Services	139422	50866	13963	358
	All	131240	123995	39595	742
R u r a l + U r b a n	Manufacturing	123055	32209	10910	289
	Trade	121083	58740	23211	334
	Other Services	134438	60591	18346	584
	All	126842	151539	52467	1207

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kozhikode

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	122060	8246	8503	188
	Trade	92395	9805	15495	208
	Other Services	108457	9771	18855	331
	All	106828	27822	42854	727
U r b a n	Manufacturing	121294	24859	30111	290
	Trade	126161	49439	42792	325
	Other Services	138399	51534	71064	523
	All	130211	125832	143967	1138
R u r a l + U r b a n	Manufacturing	121484	33105	38615	478
	Trade	120573	59244	58288	533
	Other Services	133626	61305	89919	854
	All	125977	153654	186821	1865

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Wayanad

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	80571	17	8772	84
	Trade	69228	149	9287	72
	Other Services	67884	93	18186	109
	All	69473	259	36245	265
U r b a n	Manufacturing	0	0	190	33
	Trade	0	0	547	43
	Other Services	100800	3	873	52
	All	100800	3	1611	128
R u r a l + U r b a n	Manufacturing	80571	17	8962	117
	Trade	69228	149	9834	115
	Other Services	69073	97	19059	161
	All	69890	262	37855	393

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Wayanad

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	95481	3661	2514	116
	Trade	112849	5387	3577	128
	Other Services	119982	10421	2179	247
	All	113401	19469	8270	491
U r b a n	Manufacturing	131178	764	200	57
	Trade	117274	1570	567	71
	Other Services	132264	1817	522	136
	All	126394	4152	1289	264
R u r a l + U r b a n	Manufacturing	101643	4425	2714	173
	Trade	113848	6958	4144	199
	Other Services	121806	12238	2701	383
	All	115685	23621	9559	755

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Wayanad

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	95413	3677	11285	200
	Trade	111674	5536	12864	200
	Other Services	119521	10514	20365	356
	All	112825	19728	44514	756
U r b a n	Manufacturing	131178	764	391	90
	Trade	117274	1570	1114	114
	Other Services	132203	1821	1395	188
	All	126373	4155	2900	392
R u r a l + U r b a n	Manufacturing	101564	4441	11676	290
	Trade	112911	7107	13979	314
	Other Services	121394	12335	21760	544
	All	115182	23883	47414	1148

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kannur

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	0	0	10390	113
	Trade	18000	191	10512	112
	Other Services	35849	91	23834	145
	All	23752	282	44736	370
U r b a n	Manufacturing	174000	36	17071	74
	Trade	124800	19	18780	71
	Other Services	57793	852	24573	103
	All	63885	908	60424	248
R u r a l + U r b a n	Manufacturing	174000	36	27461	187
	Trade	27770	211	29292	183
	Other Services	55675	943	48407	248
	All	54361	1190	105160	618

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kannur

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	107079	6059	2590	125
	Trade	122263	5169	2996	118
	Other Services	126774	4986	2348	212
	All	117976	16213	7934	455
U r b a n	Manufacturing	133090	19731	7632	97
	Trade	124836	33966	13096	131
	Other Services	107884	24998	9284	202
	All	121521	78695	30012	430
R u r a l + U r b a n	Manufacturing	126979	25791	10222	222
	Trade	124496	39135	16092	249
	Other Services	111025	29983	11632	414
	All	120915	94908	37946	885

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kannur

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	107079	6059	12980	238
	Trade	118539	5360	13508	230
	Other Services	125144	5077	26182	357
	All	116362	16496	52670	825
U r b a n	Manufacturing	133166	19768	24703	171
	Trade	124836	33985	31876	202
	Other Services	106233	25850	33857	305
	All	120863	79603	90436	678
R u r a l + U r b a n	Manufacturing	127046	25827	37683	409
	Trade	123978	39345	45384	432
	Other Services	109337	30926	60039	662
	All	120091	96098	143106	1503

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kasaragod

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	72000	6	17184	98
	Trade	120000	15	4765	79
	Other Services	150000	46	8554	92
	All	136253	67	30503	269
U r b a n	Manufacturing	0	0	10830	71
	Trade	0	0	5765	59
	Other Services	0	0	9660	76
	All	0	0	26255	206
R u r a l + U r b a n	Manufacturing	72000	6	28013	169
	Trade	120000	15	10530	138
	Other Services	150000	46	18214	168
	All	136253	67	56757	475

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kasaragod

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	112768	2197	935	98
	Trade	108017	4457	2864	111
	Other Services	110549	15209	2305	221
	All	110256	21863	6104	430
U r b a n	Manufacturing	125303	4214	1753	76
	Trade	106211	9076	4637	84
	Other Services	125732	8130	3175	146
	All	117376	21419	9565	306
R u r a l + U r b a n	Manufacturing	121007	6411	2688	174
	Trade	106806	13532	7500	195
	Other Services	115838	23339	5480	367
	All	113780	43283	15669	736

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

Kasaragod

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	112654	2203	18118	196
	Trade	108056	4472	7629	190
	Other Services	110669	15256	10859	313
	All	110336	21931	36607	699
U r b a n	Manufacturing	125303	4214	12583	147
	Trade	106211	9076	10402	143
	Other Services	125732	8130	12835	222
	All	117376	21419	35820	512
R u r a l + U r b a n	Manufacturing	120960	6417	30701	343
	Trade	106820	13547	18031	333
	Other Services	115906	23385	23694	535
	All	113814	43350	72426	1211

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

All

OAE

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	86740	3145	187142	2220
	Trade	64975	2753	218458	2145
	Other Services	59278	2400	381189	2649
	All	71577	8298	786789	7014
U r b a n	Manufacturing	97049	4321	195115	1219
	Trade	140743	5139	252072	1236
	Other Services	98579	5142	457641	1588
	All	112966	14601	904828	4043
R u r a l + U r b a n	Manufacturing	92707	7466	382257	3439
	Trade	114315	7891	470531	3381
	Other Services	86071	7542	838828	4237
	All	97967	22899	1691616	11057

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

All

ESTT

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	116058	138097	54009	2444
	Trade	103463	141330	79303	2528
	Other Services	129295	239017	78462	4382
	All	118727	518444	211773	9354
U r b a n	Manufacturing	114300	215841	73133	1522
	Trade	120497	358695	145013	1899
	Other Services	140371	515881	133808	3358
	All	128673	1090416	351953	6779
R u r a l + U r b a n	Manufacturing	114986	353938	127142	3966
	Trade	115682	500025	224315	4427
	Other Services	136864	754898	212270	7740
	All	125467	1608859	563726	16133

Table 4: Annual emoluments (in Rs.) per hired worker by enterprise type for each Broad activity category

All

ALL

Sector	Broad Activity Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
				Estimated	Sample
R u r a l	Manufacturing	115406	141242	241150	4664
	Trade	102728	144082	297762	4673
	Other Services	128598	241418	459651	7031
	All	117984	526742	998562	16368
U r b a n	Manufacturing	113961	220162	268249	2741
	Trade	120783	363834	397085	3135
	Other Services	139958	521022	591448	4946
	All	128465	1105018	1256781	10822
R u r a l + U r b a n	Manufacturing	114526	361404	509399	7405
	Trade	115661	507916	694846	7808
	Other Services	136361	762440	1051099	11977
	All	125081	1631759	2255343	27190

Table 5: Number of workers by enterprise type for each Broad activity category

Kerala

Rural

Compilation Category	Estimated No. of workers in			% share of workers Estimated	Sample no. of workers Sample	No. of enterprises	
	OAE	Establishment	All			Estimated	Sample
01	19023	21134	40156	2.44	1334	15062	344
02	37	111	149	0.01	16	52	4
03	9679	8364	18043	1.10	455	10054	223
04	12031	10972	23003	1.40	751	7614	194
05	927	3150	4077	0.25	164	1385	44
06	15516	167	15684	0.95	67	15554	61
07	14801	10020	24821	1.51	500	14386	155
08	7835	2275	10110	0.61	228	7883	100
09	374	1481	1854	0.11	85	600	25
10	8	149	157	0.01	16	46	5
11	20	95	114	0.01	9	52	4
12	8606	35630	44236	2.69	1421	17260	482
13	0	5	5	0.00	3	2	1
14	0	9	9	0.00	4	2	1
15	0	0	0	0.00	0	0	0
16	0	0	0	0.00	0	0	0
17	365	375	739	0.04	31	253	9
18	3	182	185	0.01	22	50	6
19	59	1476	1535	0.09	23	189	5
20	45	30	76	0.00	6	698	3
21	19938	1159	21098	1.28	147	2754	29
22	0	912	912	0.06	20	139	4
23	340	2995	3334	0.20	197	820	44
24	2635	23401	26036	1.58	869	5681	163
25	11996	22409	34405	2.09	886	12591	239
26	72	392	464	0.03	45	156	11
27	1141	6064	7205	0.44	531	2654	172
28	4290	19986	24276	1.48	792	9393	252
29	5305	3337	8642	0.53	324	5295	151
30	1573	1133	2706	0.16	108	1751	46
31	10265	27379	37645	2.29	1500	17192	501
32	2254	11221	13476	0.82	568	4515	173
33	14464	34497	48961	2.98	1682	18484	503
34	237836	161495	399330	24.27	7085	257571	3496
35	16206	10179	26385	1.60	632	20013	349
36	50179	80686	130865	7.95	4922	50341	1223
37	0	10	10	0.00	7	1	1
38	0	1417	1417	0.09	169	285	11
39	134566	8594	143160	8.70	938	137258	804

40	23202	7559	30761	1.87	308	25828	202
41	0	0	0	0.00	0	0	0
42	0	0	0	0.00	0	0	0
43	0	0	0	0.00	0	0	0
44	0	0	0	0.00	0	0	0
45	19	0	19	0.00	1	19	1
46	241	450	691	0.04	61	414	25
47	0	0	0	0.00	0	0	0
48	122	307	430	0.03	55	230	24
49	1276	2899	4175	0.25	254	1435	66
50	1338	1418	2756	0.17	177	1693	66
51	6544	632	7176	0.44	121	4773	29
52	35622	5370	40992	2.49	485	37415	329
53	1352	4905	6257	0.38	386	3213	154
54	919	631	1551	0.09	96	1138	39
55	218	3179	3397	0.21	143	725	43
56	7109	13795	20904	1.27	1096	11331	474
57	13535	14315	27850	1.69	758	15471	274
58	12018	11439	23457	1.43	1115	11954	442
59	14941	14134	29075	1.77	1080	16013	210
60	4425	76714	81139	4.93	6372	12239	493
61	5749	44532	50282	3.06	7297	10440	565
62	18899	7277	26176	1.59	483	11970	178
63	2478	1062	3540	0.22	78	2726	23
64	6364	641	7005	0.43	61	2902	31
65	16613	8925	25538	1.55	813	18991	411
66	103907	26900	130807	7.95	3199	108772	1887
67	2628	1200	3828	0.23	84	3047	49
68	0	0	0	0.00	0	0	0
69	1898	476	2374	0.14	30	2080	15
All	883806	761651	1645457	100.00	51110	942857	15868

Table 5: Number of workers by enterprise type for each Broad activity category

Kerala

Urban

Compilation Category	Estimated No. of workers in			% share of workers Estimated	Sample no. of workers Sample	No. of enterprises	
	OAE	Establishment	All			Estimated	Sample
01	7035	32755	39791	1.53	493	10649	130
02	0	3473	3473	0.13	8	702	2
03	8087	9393	17481	0.67	194	9958	86
04	17387	27031	44418	1.71	702	13979	161
05	1883	4740	6623	0.25	85	2376	25
06	14883	0	14883	0.57	41	13781	38
07	18852	10849	29701	1.14	306	20389	86
08	7481	8334	15815	0.61	268	8844	107
09	980	11121	12101	0.47	187	2695	38
10	48	1405	1453	0.06	51	326	15
11	10	0	10	0.00	2	5	1
12	9913	38137	48050	1.85	774	17647	218
13	1	226	227	0.01	14	73	5
14	0	0	0	0.00	0	0	0
15	0	0	0	0.00	0	0	0
16	0	0	0	0.00	0	0	0
17	10	3050	3060	0.12	25	748	7
18	395	1244	1639	0.06	30	502	8
19	401	742	1143	0.04	22	616	9
20	150	0	150	0.01	3	50	1
21	3255	4799	8054	0.31	89	2902	22
22	107	1178	1285	0.05	48	356	12
23	930	10501	11431	0.44	227	2555	45
24	1576	20740	22316	0.86	276	5360	64
25	5050	15706	20756	0.80	386	7858	91
26	566	1203	1769	0.07	32	578	9
27	2986	20540	23526	0.91	761	6557	185
28	11295	23404	34699	1.34	370	16055	123
29	13336	14275	27610	1.06	415	12052	162
30	2212	2705	4917	0.19	137	3065	66
31	10938	39778	50716	1.95	967	19372	303
32	9813	31744	41557	1.60	640	11710	141
33	30353	109279	139632	5.38	2597	49084	536
34	262009	353972	615981	23.72	7398	316918	2155
35	27554	14480	42033	1.62	487	30500	235
36	58039	169352	227391	8.75	5796	63238	922
37	0	0	0	0.00	0	0	0

38	107	1861	1968	0.08	96	448	14
39	151684	11630	163315	6.29	651	155012	478
40	24854	9308	34162	1.32	178	26979	96
41	0	0	0	0.00	0	0	0
42	0	0	0	0.00	0	0	0
43	0	165	165	0.01	2	82	1
44	0	0	0	0.00	0	0	0
45	0	145	145	0.01	3	48	1
46	1184	10461	11645	0.45	312	3020	60
47	0	0	0	0.00	0	0	0
48	545	2449	2994	0.12	96	1175	31
49	0	5558	5558	0.21	109	1436	26
50	3359	3783	7143	0.28	125	4706	42
51	2182	4650	6832	0.26	254	3415	41
52	41995	6099	48094	1.85	299	42177	195
53	1211	8165	9376	0.36	272	3764	97
54	5408	22618	28026	1.08	348	11321	121
55	814	16673	17488	0.67	440	3523	85
56	6169	28918	35088	1.35	971	13131	310
57	10571	12122	22692	0.87	282	13268	103
58	17437	41769	59206	2.28	1443	25811	392
59	28194	14709	42903	1.65	654	29254	138
60	10165	143563	153728	5.92	7862	22392	398
61	18229	108636	126865	4.88	5780	25790	417
62	61516	18385	79899	3.08	416	22123	135
63	9633	1164	10797	0.42	90	2459	18
64	8362	4085	12447	0.48	132	6702	49
65	16876	22577	39453	1.52	614	24378	269
66	102827	39434	142261	5.48	2113	107570	1025
67	7302	2902	10204	0.39	96	7548	36
68	0	0	0	0.00	0	0	0
69	7848	3387	11235	0.43	107	8817	41
All	1066007	1531372	2597378	100.00	47576	1217851	10627

Table 5: Number of workers by enterprise type for each Broad activity category

Kerala

All

Compilation Category	Estimated No. of workers in			% share of workers Estimated	Sample no. of workers Sample	No. of enterprises	
	OAE	Establishment	All			Estimated	Sample
01	26058	53889	79947	1.88	1827	25711	474
02	37	3585	3622	0.09	24	753	6
03	17767	17757	35524	0.84	649	20012	309
04	29418	38003	67421	1.59	1453	21593	355
05	2810	7890	10700	0.25	249	3761	69
06	30399	167	30566	0.72	108	29336	99
07	33653	20870	54523	1.29	806	34776	241
08	15316	10609	25925	0.61	496	16726	207
09	1354	12602	13956	0.33	272	3295	63
10	56	1554	1610	0.04	67	373	20
11	30	95	124	0.00	11	57	5
12	18519	73766	92286	2.18	2195	34907	700
13	1	231	232	0.01	17	75	6
14	0	9	9	0.00	4	2	1
15	0	0	0	0.00	0	0	0
16	0	0	0	0.00	0	0	0
17	374	3425	3799	0.09	56	1001	16
18	398	1426	1824	0.04	52	552	14
19	459	2218	2678	0.06	45	805	14
20	195	30	226	0.01	9	748	4
21	23193	5958	29152	0.69	236	5656	51
22	107	2090	2197	0.05	68	495	16
23	1269	13495	14765	0.35	424	3375	89
24	4211	44141	48352	1.14	1145	11042	227
25	17046	38115	55161	1.30	1272	20449	330
26	638	1595	2233	0.05	77	735	20
27	4127	26603	30731	0.72	1292	9211	357
28	15585	43390	58975	1.39	1162	25447	375
29	18641	17612	36253	0.85	739	17347	313
30	3785	3838	7623	0.18	245	4816	112
31	21203	67157	88361	2.08	2467	36564	804
32	12067	42966	55033	1.30	1208	16225	314
33	44817	143776	188593	4.44	4279	67568	1039
34	499845	515465	1015310	23.93	14483	574489	5651
35	43759	24659	68418	1.61	1119	50513	584
36	108218	250037	358255	8.44	10718	113579	2145
37	0	10	10	0.00	7	1	1
38	107	3278	3386	0.08	265	733	25
39	286250	20224	306474	7.22	1589	292270	1282

40	48056	16867	64923	1.53	486	52807	298
41	0	0	0	0.00	0	0	0
42	0	0	0	0.00	0	0	0
43	0	165	165	0.00	2	82	1
44	0	0	0	0.00	0	0	0
45	19	145	164	0.00	4	67	2
46	1424	10911	12336	0.29	373	3434	85
47	0	0	0	0.00	0	0	0
48	667	2756	3423	0.08	151	1405	55
49	1276	8457	9733	0.23	363	2871	92
50	4697	5201	9898	0.23	302	6399	108
51	8726	5282	14008	0.33	375	8188	70
52	77617	11469	89086	2.10	784	79592	524
53	2563	13070	15633	0.37	658	6976	251
54	6327	23250	29577	0.70	444	12459	160
55	1033	19852	20885	0.49	583	4248	128
56	13278	42713	55992	1.32	2067	24463	784
57	24105	26437	50542	1.19	1040	28739	377
58	29456	53207	82663	1.95	2558	37765	834
59	43135	28843	71978	1.70	1734	45266	348
60	14590	220278	234867	5.54	14234	34631	891
61	23979	153168	177146	4.18	13077	36231	982
62	80413	25662	106075	2.50	899	34094	313
63	12111	2226	14337	0.34	168	5183	41
64	14725	4727	19452	0.46	193	9604	80
65	33489	31502	64991	1.53	1427	43368	680
66	206733	66334	273068	6.44	5312	216342	2912
67	9930	4102	14032	0.33	180	10595	85
68	0	0	0	0.00	0	0	0
69	9746	3863	13609	0.32	137	10897	56
All	1949812	2293024	4242836	100.00	98686	2160708	26495

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

Rural **OAE**

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	58895	19023	136
02	39412	37	3
03	81301	9679	136
04	75385	12031	146
05	102147	927	22
06	29232	15516	59
07	27281	14801	116
08	42282	7835	67
09	91566	374	11
10	205200	8	1
11	284400	20	1
12	112315	8606	134
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	93611	365	8
18	263640	3	1
19	147573	59	3
20	2094695	45	2
21	6549	19938	84
22	0	0	0
23	76553	340	12
24	57797	2635	31
25	47686	11996	106
26	62802	72	2
27	109031	1141	52
28	135939	4290	74
29	86820	5305	121
30	96633	1573	33
31	110237	10265	101
32	160676	2254	45
33	211651	14464	181
34	109856	237836	2349
35	80061	16206	162
36	101259	50179	470
37	0	0	0
38	0	0	0
39	141857	134566	742

40	186085	23202	141
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	64318	241	6
47	0	0	0
48	57586	122	8
49	132467	1276	15
50	93693	1338	16
51	146136	6544	7
52	47250	35622	252
53	105102	1352	25
54	265573	919	9
55	136680	218	5
56	139897	7109	92
57	113812	13535	106
58	86431	12018	105
59	31162	14941	102
60	72261	4425	97
61	131177	5749	85
62	46247	18899	171
63	96408	2478	7
64	34392	6364	24
65	132924	16613	158
66	44980	103907	1377
67	131503	2628	31
68	0	0	0
69	20939	1898	6
All	96181	883806	8257

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

ESTT

Rural

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	163618	21134	1198
02	110792	111	13
03	112693	8364	319
04	138750	10972	605
05	145648	3150	142
06	25089	167	8
07	97179	10020	384
08	108272	2275	161
09	135952	1481	74
10	304587	149	15
11	103339	95	8
12	165817	35630	1287
13	104000	5	3
14	376155	9	4
15	0	0	0
16	0	0	0
17	181323	375	23
18	269739	182	21
19	239047	1476	20
20	607500	30	4
21	130223	1159	63
22	354829	912	20
23	131140	2995	185
24	188009	23401	838
25	205964	22409	780
26	190605	392	43
27	135984	6064	479
28	195467	19986	718
29	203248	3337	203
30	181363	1133	75
31	157902	27379	1399
32	237490	11221	523
33	206067	34497	1501
34	157190	161495	4736
35	108821	10179	470
36	213392	80686	4452
37	251115	10	7

38	340219	1417	169
39	151951	8594	196
40	165965	7559	167
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	147137	450	55
47	0	0	0
48	98961	307	47
49	143360	2899	239
50	94334	1418	161
51	188317	632	114
52	155940	5370	233
53	86023	4905	361
54	171318	631	87
55	125812	3179	138
56	125354	13795	1004
57	117144	14315	652
58	90444	11439	1010
59	57596	14134	978
60	160357	76714	6275
61	226101	44532	7212
62	89300	7277	312
63	68586	1062	71
64	236753	641	37
65	119133	8925	655
66	85413	26900	1822
67	80966	1200	53
68	0	0	0
69	132136	476	24
All	164449	761651	42853

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala
Rural

ALL

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	114009	40156	1334
02	92859	149	16
03	95852	18043	455
04	105609	23003	751
05	135757	4077	164
06	29188	15684	67
07	55499	24821	500
08	57131	10110	228
09	127006	1854	85
10	299708	157	16
11	134658	114	9
12	155408	44236	1421
13	104000	5	3
14	376155	9	4
15	0	0	0
16	0	0	0
17	138073	739	31
18	269645	185	22
19	235553	1535	23
20	1500408	76	6
21	13346	21098	147
22	354829	912	20
23	125580	3334	197
24	174828	26036	869
25	150776	34405	886
26	170709	464	45
27	131716	7205	531
28	184947	24276	792
29	131775	8642	324
30	132105	2706	108
31	144904	37645	1500
32	224640	13476	568
33	207716	48961	1682
34	128998	399330	7085
35	91156	26385	632
36	170396	130865	4922
37	251115	10	7

38	340219	1417	169
39	142463	143160	938
40	181141	30761	308
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	118264	691	61
47	0	0	0
48	87190	430	55
49	140031	4175	254
50	94023	2756	177
51	149849	7176	121
52	61489	40992	485
53	90145	6257	386
54	227192	1551	96
55	126510	3397	143
56	130300	20904	1096
57	115525	27850	758
58	88388	23457	1115
59	44012	29075	1080
60	155553	81139	6372
61	215247	50282	7297
62	58216	26176	483
63	88062	3540	78
64	52923	7005	61
65	128105	25538	813
66	53295	130807	3199
67	115661	3828	84
68	0	0	0
69	43218	2374	30
All	127781	1645457	51110

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala
Urban

OAE

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	58828	7035	45
02	0	0	0
03	82577	8087	50
04	73536	17387	119
05	48633	1883	9
06	32563	14883	41
07	35816	18852	57
08	44617	7481	65
09	160448	980	12
10	219600	48	1
11	157800	10	2
12	142398	9913	69
13	193260	1	1
14	0	0	0
15	0	0	0
16	0	0	0
17	97356	10	1
18	53642	395	5
19	159580	401	4
20	105600	150	3
21	15547	3255	25
22	153600	107	2
23	79478	930	11
24	56631	1576	17
25	97299	5050	31
26	16699	566	4
27	112918	2986	50
28	132696	11295	37
29	110589	13336	103
30	51512	2212	32
31	151566	10938	70
32	166184	9813	57
33	139084	30353	121
34	119355	262009	1366
35	115533	27554	131
36	108826	58039	299
37	0	0	0

38	204600	107	2
39	152539	151684	434
40	200278	24854	69
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	35623	1184	4
47	0	0	0
48	120234	545	11
49	0	0	0
50	60845	3359	4
51	298319	2182	8
52	113933	41995	155
53	268298	1211	14
54	319299	5408	32
55	126759	814	7
56	130969	6169	49
57	95839	10571	37
58	157455	17437	79
59	33528	28194	67
60	130621	10165	54
61	153930	18229	104
62	29389	61516	201
63	5478	9633	45
64	69233	8362	32
65	154589	16876	100
66	51348	102827	698
67	112759	7302	19
68	0	0	0
69	115086	7848	16
All	108636	1066007	5081

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

Urban

ESTT

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	123107	32755	448
02	147067	3473	8
03	124343	9393	144
04	127968	27031	583
05	131270	4740	76
06	0	0	0
07	84745	10849	249
08	107102	8334	203
09	175631	11121	175
10	289259	1405	50
11	0	0	0
12	207756	38137	705
13	113996	226	13
14	0	0	0
15	0	0	0
16	0	0	0
17	-792370	3050	24
18	319974	1244	25
19	224026	742	18
20	0	0	0
21	181770	4799	64
22	323238	1178	46
23	155399	10501	216
24	175950	20740	259
25	169639	15706	355
26	137556	1203	28
27	142408	20540	711
28	214000	23404	333
29	160968	14275	312
30	133520	2705	105
31	176959	39778	897
32	243609	31744	583
33	453587	109279	2476
34	224860	353972	6032
35	130196	14480	356
36	196042	169352	5497
37	0	0	0

38	301772	1861	94
39	279367	11630	217
40	298633	9308	109
41	0	0	0
42	0	0	0
43	257190	165	2
44	0	0	0
45	109800	145	3
46	240282	10461	308
47	0	0	0
48	125401	2449	85
49	153572	5558	109
50	94502	3783	121
51	280855	4650	246
52	207288	6099	144
53	118157	8165	258
54	302616	22618	316
55	149888	16673	433
56	155408	28918	922
57	160252	12122	245
58	129799	41769	1364
59	129627	14709	587
60	172993	143563	7808
61	430212	108636	5676
62	239139	18385	215
63	220440	1164	45
64	170643	4085	100
65	144660	22577	514
66	118312	39434	1415
67	98003	2902	77
68	0	0	0
69	147174	3387	91
All	223327	1531372	42495

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

ALL

Urban

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	111742	39791	493
02	147067	3473	8
03	105020	17481	194
04	106661	44418	702
05	107773	6623	85
06	32563	14883	41
07	53689	29701	306
08	77544	15815	268
09	174401	12101	187
10	286958	1453	51
11	157800	10	2
12	194272	48050	774
13	114447	227	14
14	0	0	0
15	0	0	0
16	0	0	0
17	-789606	3060	25
18	255784	1639	30
19	201432	1143	22
20	105600	150	3
21	114589	8054	89
22	309079	1285	48
23	149223	11431	227
24	167525	22316	276
25	152039	20756	386
26	98909	1769	32
27	138664	23526	761
28	187535	34699	370
29	136636	27610	415
30	96625	4917	137
31	171482	50716	967
32	225327	41557	640
33	385220	139632	2597
34	179983	615981	7398
35	120584	42033	487

36	173781	227391	5796
37	0	0	0
38	296478	1968	96
39	161571	163315	651
40	227077	34162	178
41	0	0	0
42	0	0	0
43	257190	165	2
44	0	0	0
45	109800	145	3
46	219480	11645	312
47	0	0	0
48	124460	2994	96
49	153572	5558	109
50	78673	7143	125
51	286432	6832	254
52	125771	48094	299
53	137551	9376	272
54	305835	28026	348
55	148811	17488	440
56	151111	35088	971
57	130247	22692	282
58	137944	59206	1443
59	66475	42903	654
60	170191	153728	7862
61	390513	126865	5780
62	77652	79899	416
63	28661	10797	90
64	102518	12447	132
65	148907	39453	614
66	69910	142261	2113
67	108562	10204	96
68	0	0	0
69	124760	11235	107
All	176256	2597378	47576

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

OAE

ALL

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	58877	26058	181
02	39412	37	3
03	81882	17767	186
04	74292	29418	265
05	66285	2810	31
06	30863	30399	100
07	32062	33653	173
08	43422	15316	132
09	141435	1354	23
10	217610	56	2
11	242182	30	3
12	128418	18519	203
13	193260	1	1
14	0	0	0
15	0	0	0
16	0	0	0
17	93706	374	9
18	55139	398	6
19	158048	459	7
20	567371	195	5
21	7812	23193	109
22	153600	107	2
23	78696	1269	23
24	57361	4211	48
25	62383	17046	137
26	21919	638	6
27	111844	4127	102
28	133588	15585	111
29	103824	18641	224
30	70261	3785	65
31	131557	21203	171
32	165155	12067	102
33	162504	44817	302
34	114835	499845	3715
35	102397	43759	293
36	105317	108218	769
37	0	0	0
38	204600	107	2

39	147517	286250	1176
40	193425	48056	210
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	40474	1424	10
47	0	0	0
48	108758	667	19
49	132467	1276	15
50	70200	4697	20
51	184184	8726	15
52	83329	77617	407
53	182224	2563	39
54	311494	6327	41
55	128856	1033	12
56	135749	13278	141
57	105930	24105	143
58	128476	29456	184
59	32708	43135	169
60	112921	14590	151
61	148475	23979	189
62	33351	80413	372
63	24082	12111	52
64	54177	14725	56
65	143842	33489	258
66	48147	206733	2075
67	117720	9930	50
68	0	0	0
69	96750	9746	22
All	102990	1949812	13338

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

ESTT

ALL

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	138994	53889	1646
02	145940	3585	21
03	118856	17757	463
04	131081	38003	1188
05	137010	7890	218
06	25089	167	8
07	90715	20870	633
08	107353	10609	364
09	170969	12602	249
10	290729	1554	65
11	103339	95	8
12	187499	73766	1992
13	113771	231	16
14	376155	9	4
15	0	0	0
16	0	0	0
17	-685813	3425	47
18	313572	1426	46
19	234020	2218	38
20	607500	30	4
21	171739	5958	127
22	337027	2090	66
23	150016	13495	401
24	182343	44141	1097
25	190996	38115	1135
26	150584	1595	71
27	140943	26603	1190
28	205464	43390	1051
29	168979	17612	515
30	147640	3838	180
31	169189	67157	2296
32	242011	42966	1106
33	394197	143776	3977
34	203659	515465	10768
35	121372	24659	826
36	201641	250037	9949
37	251115	10	7
38	318394	3278	263

39	225225	20224	413
40	239177	16867	276
41	0	0	0
42	0	0	0
43	257190	165	2
44	0	0	0
45	109800	145	3
46	236442	10911	363
47	0	0	0
48	122452	2756	132
49	150072	8457	348
50	94456	5201	282
51	269787	5282	360
52	183244	11469	377
53	106097	13070	619
54	299051	23250	403
55	146032	19852	571
56	145701	42713	1926
57	136910	26437	897
58	121339	53207	2374
59	94330	28843	1565
60	168592	220278	14083
61	370869	153168	12888
62	196648	25662	527
63	148010	2226	116
64	179615	4727	137
65	137428	31502	1169
66	104971	66334	3237
67	93019	4102	130
68	0	0	0
69	145322	3863	115
All	203770	2293024	85348

Table 6: Annual Gross Value Added per worker (in Rs.) by compilation category

Kerala

ALL

ALL

Compilation Category	GVA per worker	No. of workers	
		Estimated	Sample
01	112881	79947	1827
02	144841	3622	24
03	100364	35524	649
04	106302	67421	1453
05	118436	10700	249
06	30831	30566	108
07	54513	54523	806
08	69583	25925	496
09	168103	13956	272
10	288200	1610	67
11	136502	124	11
12	175643	92286	2195
13	114214	232	17
14	376155	9	4
15	0	0	0
16	0	0	0
17	-609050	3799	56
18	257187	1824	52
19	220988	2678	45
20	572741	226	9
21	41318	29152	236
22	328073	2197	68
23	143884	14765	424
24	171458	48352	1145
25	151252	55161	1272
26	113827	2233	77
27	137035	30731	1292
28	186470	58975	1162
29	135477	36253	739
30	109218	7623	245
31	160159	88361	2467
32	225158	55033	1208
33	339138	188593	4279
34	159930	1015310	14483
35	109236	68418	1119
36	172545	358255	10718
37	251115	10	7
38	314790	3386	265

39	152645	306474	1589
40	205312	64923	486
41	0	0	0
42	0	0	0
43	257190	165	2
44	0	0	0
45	107229	164	4
46	213813	12336	373
47	0	0	0
48	119782	3423	151
49	147764	9733	363
50	82946	9898	302
51	216461	14008	375
52	96192	89086	784
53	118577	15633	658
54	301713	29577	444
55	145183	20885	583
56	143341	55992	2067
57	122135	50542	1040
58	123882	82663	2558
59	57401	71978	1734
60	165134	234867	14234
61	340765	177146	13077
62	72856	106075	899
63	43325	14337	168
64	84658	19452	193
65	140733	64991	1427
66	61951	273068	5312
67	110499	14032	180
68	0	0	0
69	110538	13609	137
All	157456	4242836	98686

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation categoryKerala
Rural**OAE**

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	106616	10508	95
02	45458	32	2
03	112684	6984	103
04	179492	5053	71
05	161522	586	15
06	29232	15516	59
07	32830	12299	78
08	46650	7101	59
09	91566	374	11
10	205200	8	1
11	284400	20	1
12	149859	6450	100
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	184461	185	5
18	263640	3	1
19	240776	36	2
20	137619	690	2
21	49559	2635	22
22	0	0	0
23	116227	224	9
24	100514	1515	17
25	81023	7060	69
26	62802	72	2
27	133698	930	38
28	168854	3454	52
29	102860	4478	90
30	107140	1419	27
31	130924	8643	79
32	176911	2047	36
33	273193	11205	134
34	132923	196562	1896
35	82612	15705	152
36	157581	32244	305
37	0	0	0
38	0	0	0
39	142165	134274	741

40	189266	22812	137
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	68257	227	5
47	0	0	0
48	64016	110	5
49	262534	644	7
50	100818	1243	12
51	209484	4565	5
52	47627	35339	247
53	116182	1223	20
54	265573	919	9
55	184799	161	3
56	167919	5923	76
57	143981	10699	81
58	141411	7346	77
59	32859	14169	94
60	78014	4099	53
61	142521	5292	64
62	89096	9810	85
63	96408	2478	7
64	81286	2692	15
65	144966	15233	145
66	46968	99508	1289
67	131503	2628	31
68	0	0	0
69	20939	1898	6
All	115285	737353	6748

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala

ESTT

Rural

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	759349	4554	249
02	640207	19	2
03	306929	3071	120
04	594458	2561	123
05	574387	799	29
06	110630	38	2
07	466493	2087	77
08	315242	781	41
09	891359	226	14
10	1180948	38	4
11	299026	33	3
12	546518	10810	382
13	312000	2	1
14	1504620	2	1
15	0	0	0
16	0	0	0
17	1000416	68	4
18	1048437	47	5
19	2299646	153	3
20	2430000	8	1
21	1266733	119	7
22	2331287	139	4
23	658567	596	35
24	1056040	4166	146
25	834464	5531	170
26	886692	84	9
27	478382	1724	134
28	657823	5939	200
29	829987	817	61
30	617649	333	19
31	505748	8548	422
32	1080187	2467	137
33	976661	7279	369
34	416090	61009	1600
35	257170	4307	197
36	951425	18097	918
37	1757808	1	1
38	1689658	285	11
39	437632	2984	63

40	416035	3015	65
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	354208	187	20
47	0	0	0
48	252770	120	19
49	525242	791	59
50	297282	450	54
51	573101	208	24
52	403481	2076	82
53	212057	1990	134
54	494540	219	30
55	710200	563	40
56	319758	5408	398
57	351385	4772	193
58	224486	4609	365
59	441596	1843	116
60	1511205	8140	440
61	1955631	5149	501
62	300770	2161	93
63	293759	248	16
64	724316	210	16
65	282964	3757	266
66	248022	9264	598
67	231786	419	18
68	0	0	0
69	344806	182	9
All	609490	205504	9120

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala

Rural

ALL

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	303957	15062	344
02	267294	52	4
03	172010	10054	223
04	319067	7614	194
05	399637	1385	44
06	29431	15554	61
07	95753	14386	155
08	73274	7883	100
09	392803	600	25
10	1018226	46	5
11	293512	52	4
12	398290	17260	482
13	312000	2	1
14	1504620	2	1
15	0	0	0
16	0	0	0
17	403589	253	9
18	1003536	50	6
19	1909013	189	5
20	162407	698	3
21	102237	2754	29
22	2331287	139	4
23	510635	820	44
24	801175	5681	163
25	411988	12591	239
26	506294	156	11
27	357559	2654	172
28	478019	9393	252
29	215070	5295	151
30	204097	1751	46
31	317299	17192	501
32	670527	4515	173
33	550203	18484	503
34	199995	257571	3496
35	120181	20013	349
36	442957	50341	1223
37	1757808	1	1
38	1689658	285	11
39	148588	137258	804

40	215742	25828	202
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	197406	414	25
47	0	0	0
48	162653	230	24
49	407372	1435	66
50	153030	1693	66
51	225297	4773	29
52	67368	37415	329
53	175564	3213	154
54	309585	1138	39
55	593113	725	43
56	240390	11331	474
57	207959	15471	274
58	173437	11954	442
59	79915	16013	210
60	1031276	12239	493
61	1036630	10440	565
62	127303	11970	178
63	114357	2726	23
64	127743	2902	31
65	172270	18991	411
66	64091	108772	1887
67	145298	3047	49
68	0	0	0
69	49312	2080	15
All	223001	942857	15868

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation categoryKerala
Urban**OAE**

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	83453	4959	31
02	0	0	0
03	104129	6414	38
04	137911	9271	60
05	115300	794	6
06	35166	13781	38
07	36179	18663	48
08	45465	7341	63
09	180081	873	9
10	219600	48	1
11	315600	5	1
12	186997	7549	54
13	193260	1	1
14	0	0	0
15	0	0	0
16	0	0	0
17	97356	10	1
18	86396	245	3
19	159580	401	4
20	316800	50	1
21	32327	1566	11
22	307200	54	1
23	82723	893	10
24	106421	839	9
25	114419	4294	24
26	26704	354	3
27	189092	1783	30
28	160867	9317	28
29	177994	8286	78
30	51512	2212	32
31	183371	9041	59
32	284696	5728	31
33	163060	25890	82
34	147919	211413	1064
35	125221	25422	118
36	191065	33057	152
37	0	0	0

38	204600	107	2
39	152634	151589	433
40	201718	24676	67
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	0	0	0
46	35623	1184	4
47	0	0	0
48	163046	402	6
49	0	0	0
50	60845	3359	4
51	298319	2182	8
52	121501	39380	143
53	294250	1104	11
54	357051	4836	23
55	225457	458	4
56	154784	5220	43
57	108709	9319	28
58	204653	13416	58
59	35436	26676	64
60	140337	9461	40
61	196387	14288	59
62	103934	17394	76
63	24828	2125	6
64	100141	5781	23
65	163847	15922	88
66	55513	95112	634
67	119888	6867	17
68	0	0	0
69	115086	7848	16
All	133224	869262	3948

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation categoryKerala
Urban**ESTT**

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	708741	5690	99
02	728070	702	2
03	329577	3544	48
04	734715	4708	101
05	393266	1582	19
06	0	0	0
07	532574	1726	38
08	594197	1502	44
09	1072298	1821	29
10	1459742	278	14
11	0	0	0
12	784638	10098	164
13	356949	72	4
14	0	0	0
15	0	0	0
16	0	0	0
17	-3271776	739	6
18	1550009	257	5
19	773817	215	5
20	0	0	0
21	652514	1337	11
22	1258117	303	11
23	981999	1662	35
24	807074	4521	55
25	747671	3564	67
26	737427	224	6
27	612683	4774	155
28	743333	6738	95
29	610076	3766	84
30	423611	853	34
31	681326	10331	244
32	1292781	5982	110
33	2137065	23194	454
34	754409	105505	1091
35	371252	5078	117
36	1100031	30181	770
37	0	0	0
38	1647814	341	12
39	949337	3423	45

40	1206947	2303	29
41	0	0	0
42	0	0	0
43	514380	82	1
44	0	0	0
45	329400	48	1
46	1368474	1837	56
47	0	0	0
48	397149	773	25
49	594550	1436	26
50	265435	1347	38
51	1058543	1234	33
52	451904	2797	52
53	362767	2659	86
54	1055444	6485	98
55	815268	3065	81
56	568044	7911	267
57	491907	3949	75
58	437405	12395	334
59	739554	2578	74
60	1920614	12931	358
61	4063131	11503	358
62	929835	4728	59
63	770381	333	12
64	757065	921	26
65	386266	8455	181
66	374505	12458	391
67	418152	680	19
68	0	0	0
69	514529	969	25
All	981088	348589	6679

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala
Urban

ALL

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	417538	10649	130
02	728070	702	2
03	184368	9958	86
04	338907	13979	161
05	300358	2376	25
06	35166	13781	38
07	78209	20389	86
08	138671	8844	107
09	783118	2695	38
10	1277433	326	15
11	315600	5	1
12	528979	17647	218
13	354063	73	5
14	0	0	0
15	0	0	0
16	0	0	0
17	-3228966	748	7
18	835020	502	8
19	373997	616	9
20	316800	50	1
21	317985	2902	22
22	1114960	356	12
23	667567	2555	45
24	697464	5360	64
25	401606	7858	91
26	302617	578	9
27	497487	6557	185
28	405314	16055	123
29	313023	12052	162
30	155026	3065	66
31	448933	19372	303
32	799660	11710	141
33	1095850	49084	536
34	349826	316918	2155
35	166183	30500	235
36	624876	63238	922
37	0	0	0
38	1302403	448	14
39	170225	155012	478

40	287527	26979	96
41	0	0	0
42	0	0	0
43	514380	82	1
44	0	0	0
45	329400	48	1
46	846171	3020	60
47	0	0	0
48	317070	1175	31
49	594550	1436	26
50	119400	4706	42
51	572938	3415	41
52	143415	42177	195
53	342663	3764	97
54	757106	11321	121
55	738619	3523	85
56	403761	13131	310
57	222761	13268	103
58	316426	25811	392
59	97490	29254	138
60	1168404	22392	398
61	1920998	25790	417
62	280451	22123	135
63	125874	2459	18
64	190404	6702	49
65	240992	24378	269
66	92456	107570	1025
67	146767	7548	36
68	0	0	0
69	158982	8817	41
All	375911	1217851	10627

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala

All

OAE

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	99190	15467	126
02	45458	32	2
03	108589	13397	141
04	152578	14324	131
05	134926	1380	21
06	32023	29298	97
07	34849	30962	126
08	46048	14443	122
09	153555	1247	20
10	217610	56	2
11	290643	25	2
12	169886	13999	154
13	193260	1	1
14	0	0	0
15	0	0	0
16	0	0	0
17	180204	195	6
18	88423	248	4
19	166261	437	6
20	149721	740	3
21	43136	4200	33
22	307200	54	1
23	89431	1117	19
24	102618	2354	26
25	93653	11354	93
26	32825	426	5
27	170101	2714	68
28	163027	12771	80
29	151633	12764	168
30	73246	3631	59
31	157737	17684	138
32	256314	7776	67
33	196328	37096	216
34	140694	407975	2960
35	108950	41127	270
36	174531	65302	457
37	0	0	0
38	204600	107	2

39	147717	285863	1174
40	195736	47488	204
41	0	0	0
42	0	0	0
43	0	0	0
44	0	0	0
45	87600	19	1
46	40873	1411	9
47	0	0	0
48	141774	512	11
49	262534	644	7
50	71642	4602	16
51	238208	6747	13
52	86561	74719	390
53	200682	2327	31
54	342442	5755	32
55	214856	619	7
56	161765	11143	119
57	127560	20018	109
58	182277	20761	135
59	34542	40845	158
60	121500	13560	93
61	181829	19580	123
62	98584	27204	161
63	63358	4603	13
64	94150	8473	38
65	154615	31156	233
66	51144	194620	1923
67	123103	9496	48
68	0	0	0
69	96750	9746	22
All	124991	1606615	10696

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala

ESTT

All

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	731239	10243	348
02	725721	721	4
03	319063	6615	168
04	685301	7269	224
05	454027	2381	48
06	110630	38	2
07	496406	3814	115
08	498742	2284	85
09	1052340	2047	43
10	1425910	317	18
11	299026	33	3
12	661521	20908	546
13	355895	74	5
14	1504620	2	1
15	0	0	0
16	0	0	0
17	-2911971	807	10
18	1472766	304	10
19	1409423	368	8
20	2430000	8	1
21	702797	1456	18
22	1595671	441	15
23	896586	2258	70
24	926464	8688	201
25	800456	9095	237
26	778147	309	15
27	577056	6498	289
28	703274	12677	295
29	649282	4584	145
30	478061	1185	53
31	601828	18880	666
32	1230703	8449	247
33	1859894	30473	823
34	630456	166513	2691
35	318896	9385	314
36	1044324	48278	1688
37	1757808	1	1

38	1666884	626	23
39	711000	6406	108
40	758520	5318	94
41	0	0	0
42	0	0	0
43	514380	82	1
44	0	0	0
45	329400	48	1
46	1274807	2024	76
47	0	0	0
48	377701	893	44
49	569927	2227	85
50	273409	1797	92
51	988631	1441	57
52	431279	4873	134
53	298264	4649	220
54	1037143	6704	128
55	798962	3629	121
56	467229	13320	665
57	415013	8721	268
58	379696	17003	699
59	615327	4422	190
60	1762450	21071	798
61	3411485	16651	859
62	732428	6890	152
63	567070	581	28
64	750991	1130	42
65	354484	12213	447
66	320562	21722	989
67	347090	1099	37
68	0	0	0
69	487658	1151	34
All	843269	554092	15799

Table 7: Annual Gross Value Added per enterprise (in Rs.) by compilation category

Kerala

ALL

All

Compilation Category	GVA per enterprises	No. of enterprises	
		Estimated	Sample
01	351000	25711	474
02	696463	753	6
03	178159	20012	309
04	331912	21593	355
05	336912	3761	69
06	32125	29336	99
07	85467	34776	241
08	107850	16726	207
09	712082	3295	63
10	1245325	373	20
11	295415	57	5
12	464358	34907	700
13	353093	75	6
14	1504620	2	1
15	0	0	0
16	0	0	0
17	-2311131	1001	16
18	850167	552	14
19	735092	805	14
20	172730	748	4
21	212938	5656	51
22	1456100	495	16
23	629441	3375	89
24	750829	11042	227
25	407999	20449	330
26	345988	735	20
27	457171	9211	357
28	432149	25447	375
29	283123	17347	313
30	172869	4816	112
31	387042	36564	804
32	763728	16225	314
33	946582	67568	1039
34	282650	574489	5651
35	147958	50513	584

36	544245	113579	2145
37	1757808	1	1
38	1453087	733	25
39	160064	292270	1282
40	252417	52807	298
41	0	0	0
42	0	0	0
43	514380	82	1
44	0	0	0
45	261191	67	2
46	768000	3434	85
47	0	0	0
48	291764	1405	55
49	500985	2871	92
50	128298	6399	108
51	370300	8188	70
52	107667	79592	524
53	265713	6976	251
54	716235	12459	160
55	713797	4248	128
56	328092	24463	784
57	214793	28739	377
58	271163	37765	834
59	91273	45266	348
60	1119944	34631	891
61	1666113	36231	982
62	226674	34094	313
63	119835	5183	41
64	171469	9604	80
65	210899	43368	680
66	78195	216342	2912
67	146344	10595	85
68	0	0	0
69	138045	10897	56
All	309186	2160708	26495

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala
Rural

OAE

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	58705	159	10508	95
02	0	0	32	2
03	94185	43	6984	103
04	71966	324	5053	71
05	0	0	586	15
06	0	0	15516	59
07	89865	286	12299	78
08	120000	5	7101	59
09	0	0	374	11
10	0	0	8	1
11	0	0	20	1
12	80685	958	6450	100
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	100000	180	185	5
18	0	0	3	1
19	0	0	36	2
20	0	0	690	2
21	12000	134	2635	22
22	0	0	0	0
23	0	0	224	9
24	44077	222	1515	17
25	133125	176	7060	69
26	0	0	72	2
27	109654	27	930	38
28	137122	256	3454	52
29	99349	9	4478	90
30	0	0	1419	27
31	106136	39	8643	79
32	15000	3	2047	36
33	60005	788	11205	134
34	66251	1924	196562	1896
35	121200	7	15705	152
36	56506	457	32244	305
37	0	0	0	0
38	0	0	0	0

39	0	0	134274	741
40	235552	60	22812	137
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	19	1
46	0	0	227	5
47	0	0	0	0
48	75402	6	110	5
49	42000	20	644	7
50	64800	5	1243	12
51	24000	990	4565	5
52	0	0	35339	247
53	156000	4	1223	20
54	0	0	919	9
55	60000	7	161	3
56	90000	5	5923	76
57	61302	172	10699	81
58	60347	40	7346	77
59	9600	55	14169	94
60	63518	229	4099	53
61	123135	145	5292	64
62	72000	11	9810	85
63	0	0	2478	7
64	0	0	2692	15
65	60750	28	15233	145
66	111197	366	99508	1289
67	0	0	2628	31
68	0	0	0	0
69	0	0	1898	6
All	69744	8137	737353	6748

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala

ESTT

Rural

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	90551	14384	4554	249
02	90421	92	19	2
03	86954	5274	3071	120
04	105757	7122	2561	123
05	118374	1881	799	29
06	26882	76	38	2
07	74761	6871	2087	77
08	79055	1681	781	41
09	106524	1091	226	14
10	156130	118	38	4
11	50391	62	33	3
12	134760	23301	10810	382
13	96000	3	2	1
14	65000	7	2	1
15	0	0	0	0
16	0	0	0	0
17	145798	291	68	4
18	216579	120	47	5
19	240524	1306	153	3
20	138000	23	8	1
21	77682	997	119	7
22	137238	531	139	4
23	99327	2219	596	35
24	127266	18377	4166	146
25	142352	15942	5531	170
26	106968	272	84	9
27	101075	3999	1724	134
28	157667	13596	5939	200
29	118591	2447	817	61
30	155343	741	333	19
31	133981	16872	8548	422
32	108356	8405	2467	137
33	112265	23999	7279	369
34	95128	92054	61009	1600
35	83609	5724	4307	197
36	144129	53487	18097	918

37	120000	9	1	1
38	187585	1249	285	11
39	115940	5731	2984	63
40	134396	4449	3015	65
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	0	0
46	93539	290	187	20
47	0	0	0	0
48	68049	187	120	19
49	93759	1909	791	59
50	78081	972	450	54
51	129177	412	208	24
52	77368	3022	2076	82
53	57421	2699	1990	134
54	99279	362	219	30
55	98627	2517	563	40
56	87606	7785	5408	398
57	82312	8187	4772	193
58	65516	6451	4609	365
59	44071	12062	1843	116
60	118197	68033	8140	440
61	226565	37965	5149	501
62	59176	4010	2161	93
63	66753	421	248	16
64	280267	432	210	16
65	89895	4849	3757	266
66	66001	15273	9264	598
67	44329	646	419	18
68	0	0	0	0
69	122499	293	182	9
All	119156	513579	205504	9120

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala
Rural

ALL

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	90203	14543	15062	344
02	90421	92	52	4
03	87012	5317	10054	223
04	104285	7446	7614	194
05	118374	1881	1385	44
06	26882	76	15554	61
07	75365	7157	14386	155
08	79188	1686	7883	100
09	106524	1091	600	25
10	156130	118	46	5
11	50391	62	52	4
12	132624	24259	17260	482
13	96000	3	2	1
14	65000	7	2	1
15	0	0	0	0
16	0	0	0	0
17	128307	470	253	9
18	216579	120	50	6
19	240524	1306	189	5
20	138000	23	698	3
21	69909	1131	2754	29
22	137238	531	139	4
23	99327	2219	820	44
24	126272	18599	5681	163
25	142251	16118	12591	239
26	106968	272	156	11
27	101133	4026	2654	172
28	157286	13852	9393	252
29	118524	2455	5295	151
30	155343	741	1751	46
31	133918	16911	17192	501
32	108327	8407	4515	173
33	110604	24786	18484	503
34	94537	93978	257571	3496
35	83655	5731	20013	349
36	143388	53944	50341	1223
37	120000	9	1	1
38	187585	1249	285	11

39	115940	5731	137258	804
40	135732	4509	25828	202
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	19	1
46	93539	290	414	25
47	0	0	0	0
48	68279	193	230	24
49	93231	1928	1435	66
50	78010	978	1693	66
51	54922	1402	4773	29
52	77368	3022	37415	329
53	57552	2702	3213	154
54	99279	362	1138	39
55	98521	2524	725	43
56	87607	7790	11331	474
57	81881	8358	15471	274
58	65484	6491	11954	442
59	43913	12117	16013	210
60	118014	68262	12239	493
61	226171	38110	10440	565
62	59212	4021	11970	178
63	66753	421	2726	23
64	280267	432	2902	31
65	89730	4877	18991	411
66	67058	15639	108772	1887
67	44329	646	3047	49
68	0	0	0	0
69	122499	293	2080	15
All	118385	521715	942857	15868

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala
Urban

OAE

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	41187	46	4959	31
02	0	0	0	0
03	0	0	6414	38
04	37346	240	9271	60
05	0	0	794	6
06	0	0	13781	38
07	0	0	18663	48
08	0	0	7341	63
09	0	0	873	9
10	0	0	48	1
11	0	0	5	1
12	211080	453	7549	54
13	0	0	1	1
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	10	1
18	156000	54	245	3
19	0	0	401	4
20	0	0	50	1
21	0	0	1566	11
22	0	0	54	1
23	174000	36	893	10
24	78000	11	839	9
25	161040	29	4294	24
26	0	0	354	3
27	72236	509	1783	30
28	58628	1027	9317	28
29	136915	821	8286	78
30	0	0	2212	32
31	144155	84	9041	59
32	180000	2555	5728	31
33	120990	368	25890	82
34	96987	2132	211413	1064
35	110338	145	25422	118
36	107618	3003	33057	152

37	0	0	0	0
38	0	0	107	2
39	0	0	151589	433
40	288000	37	24676	67
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	0	0
46	0	0	1184	4
47	0	0	0	0
48	0	0	402	6
49	0	0	0	0
50	0	0	3359	4
51	0	0	2182	8
52	14188	113	39380	143
53	0	0	1104	11
54	59949	43	4836	23
55	0	0	458	4
56	18000	342	5220	43
57	98031	8	9319	28
58	157199	193	13416	58
59	0	0	26676	64
60	126227	454	9461	40
61	60000	26	14288	59
62	126000	230	17394	76
63	0	0	2125	6
64	42000	110	5781	23
65	95005	217	15922	88
66	76022	1094	95112	634
67	0	0	6867	17
68	0	0	0	0
69	0	0	7848	16
All	114517	14382	869262	3948

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala
Urban

ESTT

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	83628	26881	5690	99
02	119250	2772	702	2
03	113843	4487	3544	48
04	96762	19218	4708	101
05	93304	2889	1582	19
06	0	0	0	0
07	72684	8152	1726	38
08	78369	6310	1502	44
09	144410	8953	1821	29
10	235166	1111	278	14
11	0	0	0	0
12	156946	26362	10098	164
13	116596	125	72	4
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	143851	2261	739	6
18	182032	681	257	5
19	203514	451	215	5
20	0	0	0	0
21	103360	3110	1337	11
22	106671	841	303	11
23	85246	8300	1662	35
24	104472	15363	4521	55
25	131332	10611	3564	67
26	85964	919	224	6
27	108903	14194	4774	155
28	177226	15591	6738	95
29	110516	9849	3766	84
30	135133	1358	853	34
31	140002	26979	10331	244
32	124450	24351	5982	110
33	147984	78848	23194	454
34	108289	228516	105505	1091
35	97751	8286	5078	117

36	145051	123683	30181	770
37	0	0	0	0
38	216514	1505	341	12
39	175384	8721	3423	45
40	238714	6884	2303	29
41	0	0	0	0
42	0	0	0	0
43	180000	82	82	1
44	0	0	0	0
45	120000	97	48	1
46	193763	7636	1837	56
47	0	0	0	0
48	108209	1497	773	25
49	102998	3843	1436	26
50	80941	2431	1347	38
51	168783	3402	1234	33
52	94163	3399	2797	52
53	90825	5203	2659	86
54	159345	14970	6485	98
55	110795	8489	3065	81
56	112408	18987	7911	267
57	104637	7048	3949	75
58	88823	28194	12395	334
59	102735	12012	2578	74
60	129708	127753	12931	358
61	182509	88042	11503	358
62	127937	7371	4728	59
63	171691	968	333	12
64	150760	3104	921	26
65	109753	13081	8455	181
66	93435	25050	12458	391
67	99149	1471	680	19
68	0	0	0	0
69	117857	2261	969	25
All	128824	1084957	348589	6679

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala
Urban

ALL

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	83555	26927	10649	130
02	119250	2772	702	2
03	113843	4487	9958	86
04	96029	19458	13979	161
05	93304	2889	2376	25
06	0	0	13781	38
07	72684	8152	20389	86
08	78369	6310	8844	107
09	144410	8953	2695	38
10	235166	1111	326	15
11	0	0	5	1
12	157860	26815	17647	218
13	116596	125	73	5
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	143851	2261	748	7
18	180111	735	502	8
19	203514	451	616	9
20	0	0	50	1
21	103360	3110	2902	22
22	106671	841	356	12
23	85634	8337	2555	45
24	104452	15374	5360	64
25	131413	10640	7858	91
26	85964	919	578	9
27	107633	14704	6557	185
28	169898	16618	16055	123
29	112547	10670	12052	162
30	135133	1358	3065	66
31	140015	27063	19372	303
32	129724	26906	11710	141
33	147859	79216	49084	536
34	108184	230648	316918	2155
35	97967	8431	30500	235
36	144164	126686	63238	922
37	0	0	0	0
38	216514	1505	448	14

39	175384	8721	155012	478
40	238977	6921	26979	96
41	0	0	0	0
42	0	0	0	0
43	180000	82	82	1
44	0	0	0	0
45	120000	97	48	1
46	193763	7636	3020	60
47	0	0	0	0
48	108209	1497	1175	31
49	102998	3843	1436	26
50	80941	2431	4706	42
51	168783	3402	3415	41
52	91579	3513	42177	195
53	90825	5203	3764	97
54	159059	15013	11321	121
55	110795	8489	3523	85
56	110736	19329	13131	310
57	104630	7056	13268	103
58	89288	28388	25811	392
59	102735	12012	29254	138
60	129695	128207	22392	398
61	182472	88068	25790	417
62	127878	7601	22123	135
63	171691	968	2459	18
64	147032	3215	6702	49
65	109512	13298	24378	269
66	92706	26144	107570	1025
67	99149	1471	7548	36
68	0	0	0	0
69	117857	2261	8817	41
All	128638	1099339	1217851	10627

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala

OAE

All

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	54752	205	15467	126
02	0	0	32	2
03	94185	43	13397	141
04	57250	564	14324	131
05	0	0	1380	21
06	0	0	29298	97
07	89865	286	30962	126
08	120000	5	14443	122
09	0	0	1247	20
10	0	0	56	2
11	0	0	25	2
12	122526	1411	13999	154
13	0	0	1	1
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	100000	180	195	6
18	156000	54	248	4
19	0	0	437	6
20	0	0	740	3
21	12000	134	4200	33
22	0	0	54	1
23	174000	36	1117	19
24	45714	234	2354	26
25	137056	205	11354	93
26	0	0	426	5
27	74126	537	2714	68
28	74307	1283	12771	80
29	136527	830	12764	168
30	0	0	3631	59
31	132173	123	17684	138
32	179830	2557	7776	67
33	79423	1156	37096	216
34	82410	4056	407975	2960
35	110834	152	41127	270
36	100866	3460	65302	457
37	0	0	0	0

38	0	0	107	2
39	0	0	285863	1174
40	255603	96	47488	204
41	0	0	0	0
42	0	0	0	0
43	0	0	0	0
44	0	0	0	0
45	0	0	19	1
46	0	0	1411	9
47	0	0	0	0
48	75402	6	512	11
49	42000	20	644	7
50	64800	5	4602	16
51	24000	990	6747	13
52	14188	113	74719	390
53	156000	4	2327	31
54	59949	43	5755	32
55	60000	7	619	7
56	18952	347	11143	119
57	62985	180	20018	109
58	140725	233	20761	135
59	9600	55	40845	158
60	105201	683	13560	93
61	113501	171	19580	123
62	123463	241	27204	161
63	0	0	4603	13
64	42000	110	8473	38
65	91133	245	31156	233
66	84840	1460	194620	1923
67	0	0	9496	48
68	0	0	0	0
69	0	0	9746	22
All	98339	22519	1606615	10696

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala

ESTT

All

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	86041	41265	10243	348
02	118323	2864	721	4
03	99314	9761	6615	168
04	99194	26340	7269	224
05	103190	4769	2381	48
06	26882	76	38	2
07	73634	15023	3814	115
08	78513	7991	2284	85
09	140296	10043	2047	43
10	227579	1229	317	18
11	50391	62	33	3
12	146537	49663	20908	546
13	116043	129	74	5
14	65000	7	2	1
15	0	0	0	0
16	0	0	0	0
17	144073	2552	807	10
18	187213	801	304	10
19	231019	1758	368	8
20	138000	23	8	1
21	97125	4107	1456	18
22	118507	1372	441	15
23	88216	10519	2258	70
24	116887	33740	8688	201
25	137948	26553	9095	237
26	90755	1190	309	15
27	107183	18193	6498	289
28	168115	29187	12677	295
29	112123	12296	4584	145
30	142269	2099	1185	53
31	137685	43852	18880	666
32	120321	32756	8449	247
33	139649	102847	30473	823
34	104509	320570	166513	2691
35	91973	14010	9385	314
36	144773	177170	48278	1688
37	120000	9	1	1

38	203395	2755	626	23
39	151812	14452	6406	108
40	197761	11333	5318	94
41	0	0	0	0
42	0	0	0	0
43	180000	82	82	1
44	0	0	0	0
45	120000	97	48	1
46	190092	7926	2024	76
47	0	0	0	0
48	103748	1684	893	44
49	99932	5752	2227	85
50	80123	3404	1797	92
51	164504	3814	1441	57
52	86259	6421	4873	134
53	79416	7901	4649	220
54	157928	15332	6704	128
55	108013	11006	3629	121
56	105196	26772	13320	665
57	92640	15234	8721	268
58	84483	34646	17003	699
59	73342	24074	4422	190
60	125708	195786	21071	798
61	195783	126007	16651	859
62	103709	11381	6890	152
63	139904	1389	581	28
64	166574	3536	1130	42
65	104382	17930	12213	447
66	83044	40323	21722	989
67	82418	2117	1099	37
68	0	0	0	0
69	118390	2555	1151	34
All	125718	1598535	554092	15799

Table 8: Annual emoluments (in Rs.) per hired worker by enterprise type for each compilation category

Kerala

ALL

All

Compilation Category	Emoluments per hired worker	Estimated No. of hired workers	No. of enterprises	
			Estimated	Sample
01	85886	41470	25711	474
02	118323	2864	753	6
03	99291	9804	20012	309
04	98314	26904	21593	355
05	103190	4769	3761	69
06	26882	76	29336	99
07	73937	15309	34776	241
08	78541	7997	16726	207
09	140296	10043	3295	63
10	227579	1229	373	20
11	50391	62	57	5
12	145873	51075	34907	700
13	116043	129	75	6
14	65000	7	2	1
15	0	0	0	0
16	0	0	0	0
17	141176	2732	1001	16
18	185233	856	552	14
19	231019	1758	805	14
20	138000	23	748	4
21	94438	4241	5656	51
22	118507	1372	495	16
23	88513	10556	3375	89
24	116398	33973	11042	227
25	137941	26758	20449	330
26	90755	1190	735	20
27	106236	18730	9211	357
28	164164	30471	25447	375
29	113665	13126	17347	313
30	142269	2099	4816	112
31	137670	43974	36564	804
32	124630	35313	16225	314
33	138980	104003	67568	1039
34	104233	324626	574489	5651

35	92175	14162	50513	584
36	143932	180630	113579	2145
37	120000	9	1	1
38	203395	2755	733	25
39	151812	14452	292270	1282
40	198249	11430	52807	298
41	0	0	0	0
42	0	0	0	0
43	180000	82	82	1
44	0	0	0	0
45	120000	97	67	2
46	190092	7926	3434	85
47	0	0	0	0
48	103647	1690	1405	55
49	99734	5771	2871	92
50	80100	3409	6399	108
51	135560	4803	8188	70
52	85008	6535	79592	524
53	79451	7905	6976	251
54	157652	15375	12459	160
55	107982	11013	4248	128
56	104093	27119	24463	784
57	92294	15414	28739	377
58	84859	34878	37765	834
59	73196	24129	45266	348
60	125636	196469	34631	891
61	195671	126178	36231	982
62	104119	11622	34094	313
63	139904	1389	5183	41
64	162809	3646	9604	80
65	104204	18175	43368	680
66	83106	41783	216342	2912
67	82418	2117	10595	85
68	0	0	0	0
69	118390	2555	10897	56
All	125338	1621054	2160708	26495

Appendix B

Note on Sample Design and Estimation Procedure

Note on sample design and estimation procedure

1. Introduction

1.1 The National Sample Survey (NSS), set up by the Government of India in 1950 to collect socio-economic data employing scientific sampling methods, started its seventy third round from 1st July 2015. The survey continued up to 30th June 2016.

2. Outline of Survey Programme

2.1 **Subject Coverage:** The coverage of NSS 73rd round (July 2015 – June 2016) was unincorporated non-agricultural enterprises belonging to Manufacturing, Trade and Other Services (excluding construction).

The survey covered the following broad categories:

- (a) Manufacturing enterprises excluding those registered under Sections 2m(i) and 2m(ii) of the Factories Act, 1948
- (b) Manufacturing enterprises registered under Section 85 of Factories Act, 1948
- (c) Enterprises engaged in cotton ginning, cleaning and baling (code 01632 of NIC- 2008) excluding those registered under Factories Act, 1948
- (d) Enterprises manufacturing beedi and cigar excluding those registered under beedi and cigar workers (conditions of employment) Act, 1966
- (e) Non-captive electric power generation, transmission and distribution by units not registered with the Central Electricity Authority (CEA)
- (f) Trading enterprises
- (g) Other Service sector enterprises (excluding construction)

Categories of enterprises under coverage in (a) to (g) above were:

- (a) Proprietary and partnership enterprises [excluding Limited Liability Partnership (LLP) enterprises]
- (b) Trusts, Self-Help Groups (SHGs), Non-Profit Institutions (NPIs), etc.

Following enterprises were excluded from the coverage:

- (a) Enterprises which were incorporated i.e. registered under Companies Act, 1956
- (b) The electricity units registered with the Central Electricity Authority (CEA)
- (c) Government and public sector enterprises
- (d) Cooperatives

[All acts were subject to subsequent amendments, if any]

22 Geographical coverage: The survey covered the whole of the Indian Union.

23 Period of survey and work programme: The period of survey was of one year duration starting on 1st July 2015 and ending on 30th June 2016. The survey period of this round was divided into four sub-rounds of three months' duration each as follows:

- sub-round 1 : July - September 2015
- sub-round 2 : October - December 2015
- sub-round 3 : January - March 2016
- sub-round 4 : April - June 2016

In each of these four sub-rounds equal number of sample first stage units (FSUs) i.e. villages/ blocks were allotted for survey with a view to ensuring uniform spread of sample FSUs over the entire survey period. Attempt was made to survey each of the FSUs during the sub-round to which it was allotted. *Because of the arduous field conditions, this restriction was not strictly enforced in Andaman and Nicobar Islands, Lakshadweep, Leh (Ladakh) and Kargil districts of Jammu & Kashmir and rural areas of Arunachal Pradesh and Nagaland.*

24 Schedules of enquiry: During this round, the following schedules of enquiry were to be canvassed:

- Schedule 0.0 : list of households and non-agricultural enterprises
- Schedule 2.34 : unincorporated non-agricultural enterprises
(excluding construction)

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

<i>State/UT</i>	<i>Extent of matching</i>
Nagaland (U)	triple
Andhra Pradesh, Manipur, Telangana, Chhattisgarh	double
Gujarat, Maharashtra (U)	one and half
Remaining States/ UTs	equal

3. Sample Design

3.1 Outline of sample design: A stratified multi-stage design was adopted for the 73rd round survey.

Rural sector: The first stage units (FSU) were the 2011 Population Census villages in the rural sector. For rural part of Kerala, 2011 Population Census Enumeration Blocks (EBs) were taken as FSUs.

Urban sector: The first stage units (FSU) were the 2011 Population Census EBs in the urban sector. For those urban areas where Sixth EC data were not used latest updated UFS (Urban Frame Survey) blocks were the FSUs.

The ultimate stage units (USU) were enterprises for both the sectors. In the case of large FSUs, one intermediate stage of sampling was the selection of three hamlet-groups (hg's)/sub-blocks (sb's) from each large FSU.

3.2 Sampling frame used for selection of FSUs

Census 2011 list of villages was used as the sampling frame for **rural areas**. Auxiliary information such as number of enterprises, number of workers, type of enterprises, activities of enterprises, etc. available from Sixth EC frame was used for stratification, sub-stratification and selection of FSUs, for those rural areas where EC data were used. For other rural areas where EC data were not used, the auxiliary information on non-agricultural workers (i.e. household industry workers + other workers) based on Primary Census Abstract (PCA) 2011 were utilized for stratification, sub-stratification and selection of FSUs. For this purpose both main and marginal workers were considered.

In **rural areas of Kerala**, list of EBs as per Census 2011 was used as sampling frame.

EC data were used for the following 21 State/UTs in **semi-round 1** (sub-rounds 1 & 2): Andaman & Nicobar Islands, Assam, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Delhi, Goa, Haryana, Himachal Pradesh, Kerala, Lakshadweep, Manipur, Meghalaya, Mizoram, Nagaland, Puducherry, Punjab, Rajasthan, Sikkim, Tripura and Uttarakhand. For **all urban areas** of these 21 State/UTs, list of EBs as per Census 2011 was used as sampling frame. The latest updated list of UFS blocks was the sampling frame for the urban areas of remaining 15 State/UTs where EC data were not used in semi-round 1.

The sampling frame used for **semi-round 2** (sub-rounds 3 & 4) was entirely based on Sixth EC data.

3.3 Stratification: Each district was treated as a stratum. Within each district of a State/UT, generally speaking, two basic strata were formed:

(i) rural stratum comprising of all rural areas of the district and

(ii) urban stratum comprising of all the urban areas of the district. However, within the urban areas of a district, if there were one or more towns with *population 1.5 million or more* as per Census 2011, each of them formed a separate basic stratum and the remaining urban areas of the district were considered as another basic stratum.

(iii) In case of rural sectors of Nagaland, one special stratum was formed within the State consisting of all the villages which were difficult to access.

34 Sub-stratification:

(i) **In rural areas of those States/UTs where EC data were used:** Three sub-strata were formed in the rural sector as follows:

Sub-stratum 1: Villages with at least 3 establishments (NDE/DE) under coverage as per Sixth EC data for the following categories:

<i>NIC 2008 codes</i>	<i>Description of activities</i>
<i>20, 21</i>	<i>Manufacture of chemicals, chemical products, pharmaceuticals, medicinal products etc.</i>
<i>451, 453</i>	<i>Sale of motor vehicles, motor vehicles parts and accessories</i>
<i>50</i>	<i>Water transport</i>
<i>521</i>	<i>Warehousing and storage</i>
<i>68</i>	<i>Real estate activities</i>
<i>582, 62, 631</i>	<i>Computer relating services</i>
<i>691</i>	<i>Legal activities</i>
<i>692</i>	<i>Accounting, book-keeping and auditing activities; tax consultancy</i>
<i>70, 71, 72, 73, 74, 78, 80, 81, 82</i>	<i>Research development, employment activities etc.</i>
<i>855</i>	<i>Educational support services</i>
<i>37, 381, 382, 39</i>	<i>Sanitary services</i>
<i>87, 88</i>	<i>Residential care activities, social work activities without accommodation</i>

Sub-stratum 2: Out of the remaining, villages having at least 8 establishments (NDE/DE) under coverage in the manufacturing and services sectors as per Sixth EC data;

Sub-stratum 3: Remaining villages of the stratum.

(ii) **In rural areas of those States/UTs where EC data were not used:**

If 'r' was the sample size allotted for a rural stratum, 'r/4' sub-strata were formed in that stratum. The villages within a stratum (district) as per frame were first arranged in ascending order of non-agricultural workers (i.e. household industry workers + other workers) as per PCA 2011. Then sub-strata 1 to 'r/4' were demarcated in such a way that each sub-stratum comprised a group of villages of the arranged frame and had more or less equal number of non-agricultural workers taken into consideration as per PCA 2011.

(iii) In rural areas of Kerala:

Sub-stratum 1: EBs with at least 3 establishments (NDE/DE) under coverage as per Sixth EC data as mentioned in Table 1.1;

Sub-stratum 2: Out of the remaining, EBs having at least 8 establishments (NDE/DE) under coverage in the manufacturing and services sectors as per Sixth EC data;

Sub-stratum 3: Remaining EBs of the stratum.

(iv) In urban areas of those States/UTs (except 1.5 million plus cities) where EC data was used: Three sub-strata were formed in these areas as follows:

Sub-stratum 1: EBs with at least 3 establishments (NDE/DE) under coverage as per Sixth EC data and establishments mentioned in Table 1.1;

Sub-stratum 2: Out of the remaining, EBs having at least 8 establishments (NDE/DE) under coverage in the manufacturing and services sectors as per Sixth EC data;

Sub-stratum 3: Remaining EBs of the stratum.

(v) Urban - 1.5 million plus cities where EC data was used:

In each such stratum, **14 sub-strata** were formed as under:

Table C2: Coverage in terms of NIC 2008 codes for forming sub-strata in 1.5 million plus cities

<i>sub-stratum number</i>	<i>Description</i>	<i>Coverage in terms of NIC 2008 codes</i>
1	<i>EBs with one or more establishment in warehousing and storage</i>	521
2	<i>Out of the remaining, EBs with one or more establishment in accommodation, event catering and other food service activities</i>	55 , 562
3	<i>Out of the remaining, EBs with one or more establishment in real estate, legal, accounting, management consultancy, professional, scientific and technical etc.</i>	681, 69, 70, 71, 72, 73, 74, 78, 80, 81, 82
4	<i>Out of the remaining, EBs with one or more establishment in manufacture of non-metallic products, basic metals, recycling, fabricated metal products etc.</i>	23, 24, 25, 331
5	<i>Out of the remaining, EBs with one or more establishment in manufacture of food products and beverages</i>	101, 102, 103, 104, 105, 107, 11
6	<i>Out of the remaining, EBs with one or more</i>	13, 14, 15

Table C2: Coverage in terms of NIC 2008 codes for forming sub-strata in 1.5 million plus cities

<i>sub-stratum number</i>	<i>Description</i>	<i>Coverage in terms of NIC 2008 codes</i>
	<i>establishment in manufacture of textiles, wearing apparel, leather and related products</i>	
7	<i>Out of the remaining, EBs with one or more establishment in manufacture of wood and wood products, furniture, paper and paper products, printing, publishing of books, periodicals etc.</i>	16, 17, 18, 31
8	<i>Out of the remaining, EBs with one or more establishment in sale of motor vehicles and wholesale trade, except of motor vehicles and motorcycles</i>	451, 46
9	<i>Out of the remaining, EBs with one or more establishment in transport, supporting and auxiliary transport activities, travel agency, tour operators, financial service and insurance activities, postal, courier, software publishing, information service and communication etc.</i>	492, 50, 522, 53, 582, 61, 62, 63, 643, 649, 661, 662, 663, 79
10	<i>Out of the remaining, EBs with one or more establishment in veterinary, human health, residential care, social work activities and membership organizations</i>	75, 86, 87, 88, 941, 949
11	<i>Out of the remaining, EBs with one or more establishment in education</i>	85
12	<i>Out of the remaining, EBs with one or more establishment in remaining manufacturing activities</i>	016, 106, 108, 12, 19, 20, 21, 22, 26, 27, 28, 29, 30, 32, 332, 351
13	<i>Out of the remaining, EBs with one or more establishment in remaining other services activities</i>	37, 38, 39, 561, 563, 581, 59, 60, 639, 682, 771, 772, 773, 90, 91, 92, 93, 95, 96
14	<i>all the remaining EBs of the stratum</i>	

Note: In Delhi (urban), three EBs were found to have large number of enterprises (and so workers). To avoid repetition of these EBs in the sample lists in different semi-rounds for each sub-sample, these three EBs were covered in each sub-sample of each semi-round considering each of them as a separate sub-stratum (15, 16 and 17).

(vi) In urban areas of those States/UTs where EC data were not used:

For each stratum, there were two sub-strata based on the information as available from the latest available UFS blocks as follows:

sub-stratum 1: UFS blocks identified as Bazaar area (BA)/ Industrial area (IA)/ Hospital area (HA)/ Slum area (SA) which were 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 12, then separate sub-stratum were not formed and it was merged with the adjacent sub-stratum.

35 Total sample size (FSUs): 16348 FSUs were allocated for the central sample at all-India level. State wise allocation of sample FSUs is given in Table 1.

36 Allocation of total sample to States and UTs: All-India sample size (FSUs) was allocated to different State/UTs in proportion to total number of non-agricultural workers under coverage as per Fifth EC keeping in view the total allocation.

37 Allocation of State/UT level sample to rural and urban sectors: State/UT sample sizes were allocated to rural and urban sectors of the State/UT in proportion to number of non-agricultural workers under coverage as per Sixth EC for the States/UTs where EC data were used for frame preparation. For those States/UTs where EC data were not used, sample sizes were allocated to rural and urban sectors of the State/UT in proportion to non-agricultural workers (i.e. household industry workers + other workers) as per PCA 2011 within the State/UT. A minimum of 8 FSUs (minimum 4 each for rural and urban sector separately) were allocated to each State/UT.

38 Allocation to strata: Stratum allocations of State/UT for each sector were made in proportion to number of non-agricultural workers under coverage as per Sixth EC or in proportion to non-agricultural workers (i.e. household industry workers + other workers) as per PCA 2011 as suitable for the case. Stratum level allocation was adjusted to multiples of 4 with a minimum sample size of 4.

For special stratum formed in rural areas of Nagaland as discussed in para 3.3 (iii) 12 FSUs were allocated.

39 Allocation to sub-strata: Allocation to sub-strata was made in proportion to:

- (a) number of non-agricultural workers under coverage as per Sixth EC in both rural and urban areas for EC based frame,
- (b) non-agricultural workers (i.e. household industry workers + other workers) as per PCA 2011 for PCA based frame,
- (c) number of UFS blocks with double weightage to 'sub-stratum 1', wherever possible, when UFS blocks were used as sampling frame.

Minimum allocation for a sub-stratum had, in principle, been decided as 4 to control seasonal fluctuation.

3.10 Sampling of FSUs: Sampling of the First Stage Units was done separately in two phases – for first six months (July – December, 2015, 1st and 2nd sub-rounds) and next six months (January – June, 2016, 3rd & 4th sub-rounds). Samples were drawn in the form of two independent sub-samples in each phase for each sector ensuring stratum/sub-stratum allocation multiple of 2 (i.e. half of stratum/sub-stratum allocation which was multiple of 4). In the first phase, EC data were used for preparation of sampling frame for those States, for which data were available and for the remaining States, usual procedure of PCA based frame and UFS based frame had been used. For drawing of samples for 3rd and 4th sub-rounds only EC based sampling frame was used for all States/UTs.

3.11 Selection of FSUs:

For both rural and urban sectors for EC based frame: From each stratum/sub-stratum, required number of sample FSUs was selected by Probability Proportional to Size With Replacement (PPSWR), size being the total number of non-agricultural workers under coverage in the village/EB as per Sixth EC.

For rural sectors using PCA based frame: In rural areas, from each stratum/sub-stratum, FSUs were selected by PPSWR with size as non-agricultural workers (i.e. household industry workers + other workers) as per PCA 2011. For this purpose both main and marginal workers were considered.

For urban sectors using UFS frame: In urban areas, from each stratum/sub-stratum, FSUs were selected by SRSWOR scheme.

Both rural and urban samples were drawn in the form of two independent sub-samples in each phase of six months and equal number of samples were allocated among the two sub-rounds of each phase.

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

3.12.1 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’) were listed and all the *eligible units under coverage* were surveyed. All the listed big units (whether under coverage or not) constituted segment 9. All *eligible enterprises under coverage* were surveyed in segment 9.

3.12.2 Criterion for hamlet-group/sub-block formation: Having constituted segment 9 as stated above, it was determined whether listing was to 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 were ascertained first from knowledgeable persons.

Depending upon the values of ‘P’ and ‘E’, it was divided into a suitable number (say, D_P and D_E) of ‘hamlet-groups’ in the rural sector (except Kerala) and ‘sub-blocks’ in the urban sector and rural sector of Kerala as stated below. Final value of ‘D’ was the higher of the two values ‘ D_P ’ and ‘ D_E ’ based on the dual criteria.

Population/enterprise dual criteria			
population (P)	no. of hg’s/ sb’s formed (D_P)	no. of non-agricultural enterprises (E)	no. of hg’s/ sb’s formed (D_E)
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, was excluded from the count of ‘E’. For rural areas of Himachal Pradesh, Sikkim, Andaman & Nicobar Islands, Uttarakhand (except four districts Dehradun, Nainital, Hardwar and Udham Singh Nagar), Punch, Rajouri, Udhampur, Reasi, Doda, Kishtwar, Ramban, Leh (Ladakh), Kargil districts of Jammu and Kashmir and Idukki district of Kerala, the number of hamlet-groups/sub-blocks was formed as follows:

Population/enterprise dual criteria			
population (P)	No.of hg’s /sb’s formed (D_P)	No. of non agricultural enterprises(E)	No.of hg’s /sb’s formed (D_E)
less than 600	1	less than 120	1
600 - 799	4	120 - 159	4
800 - 999	5	160 - 199	5
1000 - 1199	6	200 - 239	6
and so on	and so on

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

In case hamlet-group/sub-block was formed in the FSU, the same should be done either by more or less equalising population or by equalising number of non-agricultural enterprises. If the criterion for deciding the value of 'D' was population, then hg/sb was formed by equalising population. On the other hand, if enterprise criterion was used for deciding 'D', then the number of non-agricultural enterprises was equalised to form 'D' number of hg/sb. If the value of 'D' was same for both population and enterprise criteria, then hg/sb was formed by equalising population.

3.12.4 **Segments 1 & 2:** Two segments (in addition to segment 9 already formed) were selected from a large FSU wherever hamlet-groups/sub-blocks were formed in the following manner – Segment 1 was the hg/sb having maximum number of establishments under the coverage. Two more hg's/sb's were selected from the remaining hg's/sb's of the sample FSU with equal probability following the method of SRSWOR and combined to form Segment 2.

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

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

Sixteen (16) second-stage strata (SSS) were formed within each sample FSU. Composition of various SSS was as under:

- (i) 3 SSS considering various broad manufacturing groups was formed in each segment for **Manufacturing sector Establishments: SSS 1** – Food products and beverages, **SSS 2** – Cotton ginning, cleaning and bailing, textiles, wearing apparel, leather and leather products, wood and wood products, furniture, paper and paper products, printing, etc., **SSS 3** – Grain mill products, prepared animal feeds, tobacco, petroleum, chemical and chemical products, pharmaceuticals, rubber, plastic, motor vehicle, transport equipments, electric power generation and other manufacturing activities.

- (ii) 3 SSS was formed in each segment for **Trade sector Establishments**: **SSS 4** – Wholesale and retail trade and repair of motor vehicles and motorcycles, **SSS 5** – Other wholesale trade, **SSS 6** – Other retail trade.
- (iii) 7 SSS was formed in each segment for **Service sector Establishments (other than trade)** corresponding to the following broad activities: **SSS 7** – Accommodation, Event catering and other food service activities, **SSS 8** – Transport, supporting and auxiliary transport activities, travel agency, tour operators etc., **SSS 9** – Financial service and insurance activities etc., **SSS 10** – Postal, courier, software publishing, information service and communication, **SSS 11** – Education, **SSS 12** – Veterinary, human health, residential care, social work activities and membership organizations, and **SSS 13** – Other services activities.
- (iv) 3 SSS was formed in each segment for own account enterprises (**OAEs**) as follows: **SSS 14** – OAEs in Manufacturing, **SSS 15** – OAEs in Trade, and **SSS 16** – OAEs in Other services.

<i>SSS number</i>	<i>NIC 2008 codes</i>	<i>Description of major activities</i>
<i>Establishments</i>		
<i>Manufacturing</i>		
<i>1</i>	<i>101, 102, 103, 104, 105, 107, 11</i>	<i>Food products and beverages</i>
<i>2</i>	<i>01632, 13, 14, 15, 16, 17, 18, 31</i>	<i>Cotton ginning, cleaning and bailing, textiles, wearing apparel, leather and leather products, wood and wood products, furniture, paper and paper products, printing, etc.</i>
<i>3</i>	<i>106, 108, 12, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 35103, 35105, 35106, 35107, 35109</i>	<i>Grain mill products, prepared animal feeds, tobacco, petroleum, chemical and chemical products, pharmaceuticals, rubber, plastic, motor vehicle, transport equipments, electric power generation and other manufacturing activities</i>

Trade

4	45	<i>Wholesale and retail trade and repair of motor vehicles and motorcycles</i>
5	46	<i>Other wholesale trade</i>
6	47	<i>Other retail trade</i>

Other services

<i>SSS number</i>	<i>NIC 2008 codes</i>	<i>Description of major activities</i>
7	55 , 562	<i>Accommodation, event catering and other food service activities</i>
8	49211, 49219, 4922, 4923, 50, 52, 79	<i>Transport, supporting and auxiliary transport activities, travel agency, tour operators etc.</i>
9	64193 (<i>chit funds</i>), 643, 64309 (<i>SHG</i>), 6491, 6492, 64921 (<i>investment club</i>), 64929 (<i>activity of private moneylenders</i>), 6499, 6612, 6619, 6621, 663	<i>Financial service activities, except insurance and pension funding and other financial activities</i>
10	53, 58 - 62, 631, 639, 681, 69, 70, 71, 72, 73, 74, 771, 772, 773, 78, 80, 81, 82, 9511	<i>Postal, courier, software publishing, information service and communication</i>
11	85	<i>Education</i>
12	75, 86, 87, 88, 941, 9491 (<i>organizations</i>), 9499	<i>Veterinary, human health, residential care, social work activities and membership organizations</i>
13	37, 38, 39, 561, 563, 682, 90, 91, 92, 93, 9512, 952, 96	<i>Other services activities</i>

OAEs

14	01632, 10–33, 35103, 35105, 35106, 35107, 35109	<i>Manufacturing</i>
15	45, 46, 47	<i>Trade</i>
16	37 – 39, 49211, 49219, 4922, 4923, 50, 52 – 63, 64193, 643, 64309, 6491, 64920, 64921, 64929, 6499, 6612, 6619, 6621, 663, 68, 69, 70 – 75, 771, 772, 773, 78 – 82, 85 – 93, 941, 949, 95, 96	<i>Other services</i>

3.14 Selection of enterprises

3.14.1 The **number of enterprises selected** for survey (excluding segment 9) from each FSU × segment × SSS was as given below:

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

It may be noted that from each segment × SSS, at least one enterprise must be surveyed if there were 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.

3.14.2 In addition to the above, **all the eligible enterprises of segment 9 were surveyed.**

3.14.3 **Selection of Enterprises:** Sample enterprises from each SSS were selected by SRSWOR.

However, **all the establishments in the frame were 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 was less than or equal to 6 considering both the segments 1 & 2
- (ii) All the trading establishments if total number of establishments in trading SSSs was less than or equal to 6 considering both the segments 1 & 2
- (iii) All the ‘other service sector’ establishments if total number of establishments in other services SSSs was less than or equal to 14 considering both the segments 1 & 2.

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)

r = subscript for semi-round (r = 1, 2)

i = subscript for i-th FSU [village/ block/ EB]

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 , 16)

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 (for States where UFS based frame was used)

Z = total size of a rural/urban sub-stratum (= sum of sizes of all villages/EBs of a sub-stratum)

z = size of sample village/EB used for selection.

n = number of sample FSUs surveyed including ‘uninhabited’ and ‘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,

$Y_{rstmidjk}$ = 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 of the r -th semi-round.

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

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

4.2.1 Schedule 0.0:

4.2.1.1 Rural:

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

$$\hat{Y} = \sum_{i=1}^Z n_{i1} y_{i9} + \sum_{i=1}^Z n_{i2} y_{i1} + D^* \sum_{i=1}^Z n_{i2} y_{i2}$$

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

4.2.1.2 Urban:

(a) States/UTs where EC based frame was used:

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

$$\hat{Y} = \sum_{i=1}^Z n_{i1} y_{i9} + \sum_{i=1}^Z n_{i1} y_{i1} + D^* \sum_{i=1}^Z n_{i2} y_{i2}$$

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

(b) States where UFS based frame was used:

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

$$\hat{Y}_i = \frac{N}{n_{i1}} \sum_{j=1}^2 y_{ij} \frac{E_{i1j}}{e_{i1j}} \frac{E_{i2j}}{e_{i2j}} y_{i2jk}$$

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

4.2.2 Schedule 2.34:

4.2.2.1 Rural:

(a) Estimation formula for a sub-stratum:

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

$$\hat{Y}_j = \frac{\sum_{i=1}^2 n_j}{n} \frac{1}{z_{i1}} \frac{e_{i9j}}{k-1} y_{i9jk} \frac{E_{i1j}}{e_{i1j}} \frac{E_{i2j}}{e_{i2j}} y_{i2jk}$$

(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 a State/UT where EC based frame was used:

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

$$\hat{Y}_j = \frac{\sum_{i=1}^2 n_j}{n} \frac{1}{z_{i1}} \frac{e_{i9j}}{k-1} y_{i9jk} \frac{E_{i1j}}{e_{i1j}} \frac{E_{i2j}}{e_{i2j}} y_{i2jk}$$

(ii) For all selected enterprises:

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

(b) Estimation formula for a sub-stratum of a State/UT where UFS based frame was used:

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

$$\hat{Y}_j = \frac{N}{n} \frac{e_{i9j}}{e_{i1j} e_{i2j}} y_{i9jk} = \frac{E_{i1j} e_{i1j}}{e_{i1j} e_{i2j}} \frac{E_{i2j} e_{i2j}}{e_{i2j}} y_{i1jk} = D_i \frac{E_{i2j} e_{i2j}}{e_{i2j}} y_{i2jk}$$

(ii) For all selected enterprises:

$$\hat{Y}_j$$

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. y_{i9jk}) in the

above formulae may be replaced by $\frac{E_{i9j}}{e_{i9j}} y_{i9jk}$, 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) of 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 as per column (8) of Block 6a of Schedule 0.0)

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

4.2.3 Estimate for a stratum for a semi-round:

$$Y_s = Y_{st}$$

43 Overall Estimate for Aggregates for a semi-round:

Overall estimate for aggregates for a stratum (\hat{Y}_s) based on two sub-samples of a particular semi-round was obtained as:

$$\hat{Y}_s = \frac{1}{2} (\hat{Y}_{sm} + \hat{Y}_{sm})$$

44 Overall Estimate of Aggregates at State/UT/all-India level for a particular semi-round:

The overall estimate \hat{Y} at the State/ UT/ all-India level for a particular semi-round was obtained by summing the stratum estimates \hat{Y}_s over all strata belonging to the State/ UT/ all-India of that semi-round.

45 Estimates of Ratios of a semi-round:

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 for a particular semi-round.

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

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

47 **For aggregate \hat{Y} :**

$$V\hat{a}r(\hat{Y}) = \frac{1}{4} \sum_{st} \hat{Y}_{st}^2 - \frac{(\sum_{st} \hat{Y}_{st})^2}{4}$$

where $V\hat{a}r(\hat{Y}_{st})$ was given by \hat{Y}_{st1} and \hat{Y}_{st2} were the estimates for sub-sample 1 and sub-sample 2 of a particular semi-round respectively for stratum 's' and sub-stratum 't'.

48 **For ratio \hat{R} :**

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

49 **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 were given below:

sector	sub-stratum	formula for multipliers		
		segment 9	segment 1	segment 2
Schedule 2.34				
rural	all	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{D_{stmi}^* E_{stmi2j}}{e_{stmi2j}}$
urban	for States/UTs with EC based frame	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \frac{1}{z_{stmi}} \frac{D_{stmi}^* E_{stmi2j}}{e_{stmi2j}}$
	for States/UTs with UFS based frame	$\frac{N_{st}}{n_{stmj}} \frac{E_{stmi9j}}{e_{stmi9j}}$	$\frac{N_{st}}{n_{stmj}} \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{N_{st}}{n_{stmj}} \frac{D_{stmi}^* E_{stmi2j}}{e_{stmi2j}}$
		$j = 1,2,3, \dots, 16$		

Note:

- (i) For estimating any characteristic for any domain not specifically considered in sample design, indicator variable may be used.
- (ii) Multipliers had 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.

5. Generation of combined estimate for the entire round: For this survey, combined estimates for the entire round were generated by combining semi-round wise estimates at domain level by taking simple average of the estimates.

5.1 Estimates for stratum/State/UT/ all-India was arrived at by considering simple average of the estimates as derived for each of the semi-rounds 1 and 2 using formulae as mentioned in paras 4.2 to 4.4.

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

6.2.1 FSUs with survey codes 1 or 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

1 Estimates of ratios for the entire round:

Let \hat{R}_1 and \hat{R}_2 be the estimates of R_1 and R_2 i.e. Y/X based on semi-rounds 1 and 2 respectively with corresponding estimated Mean Square Error, $MSE(\hat{R}_1)$ and $MSE(\hat{R}_2)$. The combined ratio estimate (\hat{R}) and estimate of variance of combined ratio estimate ($M\hat{S}E(\hat{R})$) was obtained as:

$$\hat{R} = \frac{\hat{Y}_1}{\hat{X}_1} = \frac{\hat{Y}_2}{\hat{X}_2}$$

$$M\hat{S}E(\hat{R}) = \frac{\frac{V\hat{a}r(\hat{Y})_1}{\hat{X}_1^2} + \frac{V\hat{a}r(\hat{Y})_2}{\hat{X}_2^2} - 2\hat{R}\frac{C\hat{o}v(\hat{Y}, \hat{X})_1}{\hat{X}_1^2} - 2\hat{R}\frac{C\hat{o}v(\hat{Y}, \hat{X})_2}{\hat{X}_2^2} + \hat{R}^2(\frac{V\hat{a}r(\hat{X})_1}{\hat{X}_1^2} + \frac{V\hat{a}r(\hat{X})_2}{\hat{X}_2^2})}{(\hat{X}_1 - \hat{X}_2)^2}$$

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

6.1 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 was available in the frame then also that FSU will be treated as surveyed. However, if the SSUs of a particular schedule type were available in the frame of the FSU but none of these could be surveyed then that FSU has to be treated as casualty and it will not be treated as surveyed in respect of that schedule.

data file, considering both segments together, as nil (i.e. $E_{i1j} + E_{i2j} > 0$ but $e_{i1j} + e_{i2j} = 0$) 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 (stratum/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 $\frac{D^*}{i} \frac{E}{i2j}$ will be replaced by $(\frac{E}{i1j} \frac{D^*}{i} \frac{E}{i2j})$ 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 $\frac{E}{i1j}$ will be replaced by $(\frac{E_{i1j}}{i} \frac{D^*}{i} \frac{E}{i2j})$ in the formula for multiplier of segment 1.

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

7. Treatment in cases of void second-stage strata/sub-strata /strata at FSU or enterprise level

7.1 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.

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

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

- (i) If a rural/urban sub-stratum is void then it may be merged with the other sub-stratum of the stratum.
- (ii) If a rural/urban stratum 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 were 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 were casualties for a particular second stage stratum):

An FSU may be a casualty for a particular *second stage stratum* although survey code was 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, the void second stage stratum will be merged with the nearby second stage stratum within the FSU.

8. Reference to the values of Z_{st} , n_{st} , n_s , z_{sti} , D_{sti} , D^*_{sti} , D_{si} , D^*_{si} , E_{sti1j} , e_{sti1j} , E_{sti2j} , e_{sti2j} :

- (a) Values of Z_{st} , N_{st} and the number of FSUs allotted for the whole round are given in Appendix Tables 2A and 2B for rural sector and in Appendix Tables 3A, 3B and 3C for urban sector.
- (b) Surveyed number of FSUs (n_{st}) should not be taken from the tables. The value of n_{stm} for each sub-sample is to be obtained following the guidelines given in para 6 above. It includes uninhibited and zero cases but excludes casualty cases.
- (c) The value of z_{sti} is to be taken from the column of sample list under the heading 'size' or item 15 of Block 1, Sch 0.0.
- (d) 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} .
- (e) Values of E_{sti1j} , E_{sti2j} are to be taken from column (4), Block 6b of Sch 0.0 for respective segment and second-stage stratum. Values of E_{sti9j} from column (4), Block 6a of Sch 0.0 for segment 9 and second-stage stratum.
- (f) The value of e_{sti1j} and e_{sti2j} should not be taken from column (8), Block 6b of Sch.0.0. The value of e_{sti9j} should not be taken from column (8), Block 6a of Sch.0.0. The figures should be obtained by counting the number of enterprises available in the data file excluding the casualty enterprises.

Appendix C

**Schedule 2.34: Unincorporated Non Agricultural
Enterprises (Excluding Construction)**

RURAL	*
URBAN	

**GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY OFFICE
SOCIO - ECONOMIC SURVEY**

CENTRAL	*
STATE	

**SEVENTY-THIRD ROUND: JULY 2015 - JUNE 2016
SCHEDULE 2. 34 : UNINCORPORATED NON-AGRICULTURAL
ENTERPRISES (EXCLUDING CONSTRUCTION)**

[0] descriptive identification of sample enterprise	
1. state/u.t:	6. ward/investigator unit:
2. district:	7. enumeration block (EB)/ UFS block:
3. sub-district:	8. name of owner:
4. village/ town name:	9. name of informant:
5. serial no. of hamlet: (col-1,block-4.1)#	10. name and address of the enterprise:

*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 FSU				12	FOD sub-region			
2	round number	7	3		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				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 entry in 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	partnership between members not all from the same household	5
proprietary(female)	2	Self- Help Group.....	6
proprietary (transgender).....	3	Trusts	7
partnership with members of the same household	4	others.....	9
item 210: location of the enterprise			
<u>within</u> household premises	1	with fixed premises but without any structure	4
<i>outside household premises:</i>		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 221& 222: nature of problems faced by the enterprise			
erratic power supply/ power cuts.....	1	non-recovery of financial dues	5
shortage of raw materials.....	2	non-availability of labour as and when needed.....	6
shrinkage /fall of demand	3	non-availability of skilled labour as and when needed.....	7
		labour disputes and related problems	8
non-availability / high cost of credit	4	others <i>specify</i>).....	9
item 224& 225 : type of assistance received from the government *			
financial loan	1	marketing	5
subsidy	2	raw material.....	6
machinery/ equipment.....	3	others	9
skill development.....	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 during the reference month code (5-digit as per NIC 2008) special codes: chit fund – 64193, Self-Help Group (engaged in financial intermediation) – 64309, investment club – 64921, activities of private moneylenders – 64929		202				
description of the major activity during the reference month:						
if ‘yes’ in item 201	principal minor activity during the reference month 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 non-profit institution? (yes, major receipts coming from donation/ grants-1, yes, major receipts not coming from donation/ grants-2,no-3)		205				
if code 1 in item 205	whether non-profit institution serving households (NPISH)? (yes-1, no-2)	206				
if item 204 is ‘1’ to ‘5’	social group of the owner / major partner (ST-1, SC- 2, OBC-3, Others-4, not known-9)	207				
whether the enterprise maintain any bank account/ post office savings bank account ? yes, in owner’s name – 1, yes, in enterprise’s name -2, yes, both in owner’s name and enterprise’s name -3, no- 4		208				
number of other economic activities taken up by the entrepreneur during the last 365 days (applicable if entry in item 204 is ‘1’ to ‘5’)		209				
location of the enterprise (code)		210				
enterprise type during the last 365 days (Own Account Enterprise-1, Establishment-2)		211				
year of initial operation under the current owner		212				
nature of operation (perennial – 1, seasonal – 2, casual – 3)		213				
number of months operated during the last 365 days (in whole numbers)		214				
number of hours the enterprise normally worked in a day during the reference month(in whole numbers)		215				
whether accounts maintained ? (yes-1, no-2)		216				
if ‘yes’ in item 216, whether data collected from books of accounts? (yes-1, no-2)		217				
did the enterprise use computer (s) during the last 365 days? (yes- 1, no -2)		218				
did the enterprise use internet during the last 365 days? (yes- 1, no -2)		219				
did the enterprise face any problem in its operation during last 365 days? (yes-1, no-2)		220				
if ‘yes’ in item 220, 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	221				
	next severe problem	222				

[2] particulars of operation and background information		item no.	code	
(1)		(2)	(3)	
did the enterprise receive any assistance from the government during last three years? (yes-1, no-2)		223		
if 'yes' in item 223, 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	224		
	next important assistance	225		
status of the enterprise over the last 3 years (expanding – 1, stagnant – 2, contracting – 3, operated for less than three years – 9)		226		
whether registered under any act/authority? (yes-1, no-2)		227		
type of registration of the enterprise				
if 'yes' in item 227	whether registered under (yes-1, no-2)	Shops and Establishment Act?	228	
		Municipal Corporation/ Panchayats/ Local Body?	229	
		Vat /Sales Tax Act?	230	
		Provident Fund Act?	231	
		Employees State Insurance Corporation Act?	232	
		Registered with SEBI/ Stock Exchange?	233	
	any other industry-specific Act/ Authority (give at most three codes from any of 01 – 18 or 99 as per the code list)		234	
			235	
		236		
does the enterprise undertake any work on contract basis (yes -1, no -2)		237		
if 'yes' in item 237	type of contract (code)		238	
	for manufacturing enterprises only	equipment supplied by (code)	239	
		raw material supplied by (code)	240	
		design specified by contractor (yes -1, no- 2)	241	
if 'no' in item 237, does the enterprise provide any manufacturing services? (yes -1, no -2)		242		
is the enterprise a franchisee outlet? (yes -1, no -2)		243		
does the enterprise have access to toilet facility? (code)		244		
does the enterprise have provision for solid waste management? (code)		245		
does the enterprise have provision for liquid waste management? (code)		246		

items 234-236 : industry-specific act/authority of registration			
State directorate of industries	01	District Supply and Marketing Society.....	10
Khadi and Village Industries Commission/ Board.....	02	Technical Consultancy Services Organisations/Council for Technological Upgradation.....	11
Development Commissioner of Handicraft /handloom.....	03	Sale tax.....	12
Commodity boards (Coir board, Silk Board, Jute commissioner, etc.).....	04	Indian Charitable Act	13
Directorate of education /AICTE/NCTE	05	Cinematograph act	14
Pollution Control Board.....	06	Money lender's Act (including the State variants).	15
Directorate General of Foreign Trade/ other export promotion agencies.....	07	Societies Registration Act, 1860 (including the State variants).....	16
State Financial Corporation/Industrial Cooperative Banks/Industrial Development Banks/ SIDBI.....	08	Indian Trust Act/Public Trust Act (including the State variants).....	17
Food safety and Standards Act, 2006.....	09	Employees Provident Fund Organisation (EPFO).....	18
		Others.....	99
item 238: type of contract			
working solely for other enterprise/contractor	1	mainly for customers but also on contract.....	3
mainly on contract but also for other customers	2		
item 239 and 240 : equipment/ raw materials supplied by			
self- procured	1	Both.....	3
supplied by the master unit/ contractor.....	2		
item 244: toilet facility			
yes and in usable condition.....	1	yes, public toilet in the market place/building....	3
yes but not in usable condition.....	2	no toilet.....	4
item 245: provision for solid waste management			
yes, regularly collected by local/civic authority	1	no, throw it on the roadside.....	4
yes, disposes off in the waste treatment centre/ authorized dumping ground.....	2	no, leave it at the location of enterprise/activity..	5
yes, has own waste treatment system.....	3	enterprise does not generate solidwaste.....	6
item 246: provision for liquid waste management			
yes, has own liquid waste treatment system.....	1	no, liquid waste is discharged on the road/ nalla/river.....	3
no, liquid waste is disposed off in the usual waste water discharge	2	enterprise does not generate liquid waste.....	4

[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, non-captive power generation and transmission activities (NIC-08 Div. 10-33, 01632, 35103, 35105, 35106, 35107, 35109)	251	
trading activity (NIC-08 Div. 45-47)	252	
transportation , travel agency, tour operator activities (NIC-08 Groups 492, Div. 50,79, excluding 49212, 49213)	253	
warehousing and support activities of transportation (NIC-08 Div.52)	254	
postal and courier activities (NIC-08 Div. 53)	255	
accommodation and food service activities (NIC-08 Div. 55-56)	256	
information and communications activities (NIC-08 Div. 58-63)	257	
financial activities (NIC-08 Groups 643, 649, 6612, 6619, 6621, 663 including special codes for chit fund – 64193, self-help group – 64309, investment club – 64921, activities of private moneylenders – 64929)	258	
real estate, rental and leasing activities (NIC-08 Div. 68, 77 excluding 774)	259	
business and professional service activities (NIC-08 Div. 69 to 74, 78, 80 to 82)	260	
educational activities (NIC-08 Div. 85)	261	
human health, social work and veterinary activities (NIC-08 Div. 75, 86-88)	262	
other personal service activities (NIC-08 Div. 96)	263	
other activities (NIC-08 Industries 37, 38, 39, 90, 91, 92, 93, 941, 949, 95)	264	

[3] principal operating expenses during last 30 days ended on...../ last calendar month ended on.....(Rs. in whole number)					
(1)	(2)	(3)			(4)
manufacturing, non-captive power generation and transmission activities (NIC-08 Div. 10-33, 01632, 35103, 35105, 35106, 35107, 35109)					
main raw materials consumed	item no.	3 digit product code			value (Rs.)
	301				
	302				
	303				
	304				
other raw materials consumed	305				
purchase value of the goods sold in the same condition as purchased	306				
expenses incurred for manufacturing services	307				
total (items 301 to 307)	309				

trading activity (NIC-08 Div. 45-47) (exclude transport charges and report them in block 4, if available separately)					
main commodities purchased	item no.	3 digit product code			value (Rs.)
	311				
	312				
	313				
	314				
other commodities purchased	315				
total (items 311 to 315)	319				

transportation, travel agency and tour operator activities (NIC-08 Groups 492, Div.50, 79 excluding 49212, 49213)					
main items consumed	item no.	3 digit product code			value (Rs.)
petrol, diesel and lubricants	321	5	4	1	
LPG, CNG	322	5	4	3	
rubber products: tyres , tubes	323	5	2	2	
batteries, accumulators, cells	324	8	2	3	
	325				
	326				
other items consumed	327				
travel agent's/ tour operator's payments for passenger fare/ goods transportation by	railways	328			
	land (bus, truck, auto, taxi, etc.)	331			
	air	332			
	water (boat, steamer, ferry, etc.)	333			
minor repair and maintenance of transport equipment	334				
insurance charges paid	335				
storage and warehousing charges paid	336				
parking fees paid for vehicles	337				
hotel & restaurant service charges (room rent, food, drinks, etc.)	338				
total (items 321 to 338)	339				

[3] principal operating expenses during last 30 days ended on/ last calendar month ended on.....(Rs. in whole number)					
warehousing and support activities for transportation (NIC-08,Div. 52)					
(1)	(2)	(3)			(4)
main items consumed	item no.	3 digit product code			value (Rs.)
jute, cloth, etc. used as consumable stores	341	3	9	9	
pesticide, insecticide, weedicide, fungicide	342	6	1	2	
	343				
	344				
other items consumed	345				
insurance charges	346				
contract, sub-contract, commission expenses	347				
service charges paid to other concerns for carrying of goods	348				
total (items 341 to 348)	349				

postal and courier activities (NIC-08 Div. 53)					
main items consumed	item no.	3 digit product code			value (Rs.)
paper used in printer, fax etc.	351	5	1	3	
paper products: stationery articles and postal articles	352	5	1	2	
spares and accessories of electronic equipments (ink cartridges used in printer, fax etc.)	353	8	3	4	
	354				
	355				
other items consumed	356				
insurance charges	357				
computer related services (software development, AMC, etc.)	358				
total (items 351 to 358)	359				

[3] principal operating expenses during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)					
accommodation and food service activities (NIC-08 Div. 55-56)					
(1)	(2)	(3)			(4)
main items consumed	item no.	3 digit product code			value (Rs.)
wheat flour	361	2	3	2	
rice	362	2	3	1	
pulses milled	363	2	3	3	
egg and poultry	364	0	4	3	
processed poultry meat & poultry meat products	365	2	1	1	
processed other meat and products	366	2	1	2	
inland fish	367	0	6	1	
marine fish	368	0	6	2	
bread and bakery products - biscuit, cake, bread, rusk, pastries, etc.	371	2	4	2	
dairy products (milk, butter, ghee, ice cream, curd, paneer, etc.	372	2	2	2	
edible oils and fats (excluding dairy products)	373	2	2	3	
sugar, sugar cube, gur	374	2	4	1	
alcoholic beverages	375	2	5	1	
non-alcoholic beverages: soft drink, fruit juice, aerated water	376	2	5	2	
potato and onion	377	0	2	7	
vegetables (excluding potato and onion)	378	0	2	8	
fruits	381	0	2	6	
	382				
	383				
	384				
other items consumed	385				
insurance charges	386				
computer related services (software development, AMC, etc.)	387				
total (items 361 to 387)	389				

information and communication activities(NIC-08 Div. 58-63)					
main items consumed	item no.	3 digit product code			value (Rs.)
paper and paper products (other than stationery)	391	5	1	3	
spares and accessories of electronic equipments (ink cartridges used in printer, fax etc.)	392	8	3	4	
stationery articles of paper	393	5	1	2	
	394				
	395				
other items consumed	396				
communication charges (postage, courier, local call/ STD / ISD, cyber café, cellular, internet, email, etc.)	397				
insurance charges	398				
computer related services (software development, AMC, etc.)	401				
total (items 391 to 401)	409				

[3] principal operating expenses during last 30 days ended on/ last calendar month ended on.....(Rs. in whole number)					
financial activities(NIC-08 groups 643, 649, 6612, 6619, 6621, 663 including special codes 64193, 64309, 64921 and 64929)					
(1)	(2)	(3)			(4)
main items consumed	item no.	3 digit product code			value (Rs.)
paper and paper products: (other than stationery)	411	5	1	3	
spares and accessories of electronic equipments (ink cartridges used in printer, fax etc.)	412	8	3	4	
stationery articles of paper	413	5	1	2	
	414				
	415				
other items consumed	416				
interest payments	417				
banking, commission, brokerage (exclude interest payments to banks)	418				
legal services	421				
audit, advertising, accounting, book keeping, architecture, engineering, photocopying	422				
computer related services (software development, AMC, etc.)	423				
total (items 411 to 423)	429				

real estate,rental and leasing activities(NIC-08 Div. 68, 77 excluding 774)						
main items consumed		item no.	3 digit product code			value (Rs.)
		431				
		432				
other items consumed		433				
minor repair and maintenance of	building and fixtures	434				
	tools and other fixed assets	435				
service charges for work done by other concerns	contract, sub-contract, commission expenses	436				
	legal services	437				
	hotel& restaurant service charges (room rent, food, drinks, etc.)	438				
insurance charges		441				
total (items 431 to 441)		449				

[3] principal operating expenses during last 30 days ended on/ last calendar month ended on.....(Rs. in whole number)						
business and professional service activities(NIC-08 Div. 69 -74, 78, 80 - 82)						
(1)		(2)	(3)			(4)
main items consumed		item no.	3 digit product code			value (Rs.)
		451				
		452				
other items consumed		453				
hotel& restaurant service charges (room rent, food, drinks, etc.)		454				
service charges for work done by other concerns	contract, sub-contract, commission expenses	455				
	legal services	456				
	audit, advertising, accounting, book keeping, architecture, engineering, photocopying	457				
	training, education, coaching	458				
rental payable on produced fixed assets		461				
total (items 451 to 461)		469				

educational activities(NIC-08 Div. 85)						
main items consumed		item no.	3 digit product code			value (Rs.)
paper and paper products (other than stationery)		471	5	1	3	
books, journals atlases, maps, newspaper		472	5	1	4	
paper stationeries and consumables, postal articles		473	5	1	2	
spares and accessories of electronic equipments (ink cartridges used in printer, fax etc.)		474	8	3	4	
readymade garments of cotton		475	3	2	1	
misc. textile products: uniforms, linen and laundry materials		476	3	9	9	
sports goods		477	8	4	2	
organic chemicals– e.g., used in laboratory		478	6	2	8	
inorganic chemicals– e.g., used in laboratory		481	6	2	7	
		482				
		483				
other items consumed		484				
hotel& restaurant service charges (room rent, food, drinks, etc.)		485				
total (items 471 to 485)		489				

[3] principal operating expenses during last 30 days ended on/ last calendar month ended on.....(Rs. in whole number)					
human health, social work and veterinary activities(NIC-08 Div. 75, 86-88)					
(1)	(2)	(3)			(4)
main items consumed	item no.	3 digit product code			value (Rs.)
drugs and medicines : allopathic	491	6	2	2	
drugs and medicines : AYUSH	492	6	2	3	
medical, precision and optical instruments - syringes, intra veins drip sets, plastering materials, etc.	493	8	3	2	
misc. textile products: uniforms, linen and laundry materials	494	3	9	9	
organic chemicals– e.g. used in laboratory, hospital, operation theatre, pathlabs, diagnostic tests	495	6	2	8	
inorganic chemicals– e.g. used in laboratory, hospital, operation theatre, pathlabs, diagnostic tests	496	6	2	7	
	497				
	498				
other items consumed	501				
hotel& restaurant service charges (room rent, food, drinks, etc.)	502				
total (items 491 to 502)	509				

other personal service activities (NIC-08 Div 96)					
main items consumed	item no.	3 digit product code			value (Rs.)
miscellaneous metal products (scissors, razors, etc.)	511	7	3	9	
soaps, detergents, glycerine	512	6	2	4	
cosmetics and toiletries	513	6	2	5	
miscellaneous manufacturing products (broom, brush duster, shoe brush, etc.)	514	8	4	9	
	515				
	516				
other items consumed	517				
total (items 511 to 517)	519				

[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 in this block)			
(1)		(2)	(3)
items		item no.	value (Rs.)
electricity charges		521	
fuel and lubricant		522	
raw materials consumed for own construction	of building	523	
	of furniture and fixtures	524	
minor repair and maintenance (including plumbing, sanitary) of	building and fixtures	525	
	plant and machinery	526	
	transport equipment	527	
	information, computer and telecommunication equipment (ICT)	528	
	tools and other fixed assets	531	
rental payable on fixed assets (other than land)		532	
service charges for work done by other concerns	contract, sub-contract, commission expenses	533	
	storage and warehousing charges	534	
	legal services	535	
	audit, advertising, accounting, book keeping, architecture, engineering, photocopying	536	
	computer related services (software development, AMC, etc.)	537	
	Government administrative charges (PF administration, etc.)	538	
	training, education, coaching	541	
	medical services (doctor's fees, etc.)	542	
	rental expenses (e.g., hiring of auditorium, sports ground, etc.)	543	
	washing, cleaning, laundry, photography, etc.	544	
travelling, freight and cartage (transport) expenses by	radio and TV broadcasting	545	
	railways	546	
	land (bus, truck, car, taxi, auto, etc.)	547	
	air	548	
	water (boat, steamer, ferry through canal, river, sea, etc.)	551	
others (packaging, cargo handling, movers & packers, travel agency, etc.)	552		
communication expenses (telephone, fax, postal, courier, e-mail, etc.)		553	
financial charges	banking, commission, brokerage (exclude interest payments to banks)	554	
	insurance	555	
other expenses on goods inputs		556	
other expenses on services		557	
total (items 521 to 557)		559	

Note 3: Apart from the industries mentioned in block 3, this block will also be applicable for NIC-08 Industries 37, 38, 39, 90, 91, 92, 93, 941, 949, 95

Note 4: Please take care that there is no duplication of entries in similar items in block 3.

[5] principal receipts during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)				
manufacturing, non-captive power generation and transmission activities (NIC-08 Div. 10-33, 01632, 35103, 35105, 35106, 35107, 35109)				
(1)	(2)	(3)		(4)
main products and by-products manufactured	item no.	3 digit product code		value (Rs.)
	561			
	562			
	563			
	564			
other products/ by-products	565			
sale value of the goods sold in the same condition as purchased(if entry is present in item 306)	566			
receipts from manufacturing services	567			
sub-total(items 561 to 567)	569			
opening stock of semi-finished goods	571			
closing stock of semi-finished goods	572			
change in stock of semi-finished goods (item 572 item 571) (put () sign in case of negative value)	573			
total (item 569 + item 573)	579			

trading activity (NIC-08 Div. 45-47)				
main commodities sold	item no.	3 digit product code		value (Rs.)
	581			
	582			
	583			
	584			
other commodities sold	585			
sub-total (items 581 to 585)	589			
opening stock of trading goods	591			
closing stock of trading goods	592			
changes in stock of trading goods (item 592 item 591)(put () sign in case of negative value)	593			
own account consumption of goods purchased	594			
total (item 589 +item 593+ item 594)	599			

[5] principal receipts during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)			
transportation, travel agency and tour operating activities (NIC-08 Groups 492, Div. 50,79 excluding 49212, 49213)			
(1)	(2)	(3)	(4)
main items	item no	3 digit product code	value (Rs.)
receipts from passenger traffic	land (bus, truck, taxi, auto, etc.)	601	
	water (boat, steamer, ferry, etc.)	602	
receipts from goods traffic	land (bus, truck, taxi, auto, etc.)	603	
	water (boat, steamer, ferry, etc.)	604	
receipts of travel agents/ tour operators from customers for their booking	605		
storage charges received	606		
service charges received for support activities for transportation (packaging, cargo handling, movers & packers)	607		
total (items 601 to 607)	609		

warehousing and support activities for transportation (NIC-08 Div. 52)			
main items	item no.	3 digit product code	value (Rs.)
storage charges received	611		
service charges received for support activities for transportation (packaging, cargo handling, movers & packers, travel agency, etc.)	612		
porter/coolie charges received	613		
total (items 611 to 613)	619		

postal and courier activities (NIC-08 Div. 53)			
main items	item no.	3 digit product code	value (Rs.)
charges received from customers for postal and courier activities	621		
total (item 621)	629		

[5] principal receipts during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)						
accommodation and food service activities (NIC-08 Div. 55-56)						
(1)		(2)	(3)			(4)
main items		item no.	3 digit product code			value (Rs.)
receipts from sale of prepared food, refreshment and drinks		631				
receipts from sale of goods in same condition as purchased	bread and bakery products - biscuit, cake, bread, rusk, pastries, etc.	632	2	4	2	
	dairy products – milk, butter, ghee, ice cream, curd, paneer, etc.	633	2	2	2	
	alcoholic beverages	634	2	5	1	
	non-alcoholic beverages: soft drink, fruit juice, aerated water, bottled water, etc.	635	2	5	2	
		636				
		637				
other items		638				
lodging charges, rent receivable for hiring out rooms and halls for functions, conferences		641				
receipts from transport / travel arrangements services		642				
receipts from laundry services, gym, spa, hair dressing, swimming pool, entertainment		643				
receipts from catering services		644				
own account consumption of goods purchased/ items prepared		645				
total(items 631 to 645)		649				

information and communication activities (NIC-08 Div. 58-63)						
main items		item no.	3 digit product code			value (Rs.)
charges receivable from customers (STD / ISD fax / internet etc.)		651				
receipts from publishing of books, brochures, atlases, maps , charts, mailing list, directories etc.		652				
receipts from software publishing		653				
receipts from production and post -production activities of video, motion picture, television programmes		654				
receipts from development of customised software, web-page designing, computer consultancy, installation, maintenance, etc.		655				
receipts from data entry, data processing, report writing activities		656				
total(items 651 to 656)		659				

[5] principal receipts during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)					
financial activities(NIC-08 groups 643, 649, 6612, 6619, 6621, 663 including special codes 64193, 64309, 64921 and 64929					
(1)	(2)	(3)			(4)
main items	item no.	3 digit product code			value (Rs.)
interest receipts (cash and kind)	661				
lease income	662				
brokerage and commission	663				
net profit in share dealing, income earned on chit funds, net earnings from hire purchase finance	664				
receipts from financial consultancy activities	665				
total (items 661 to 665)	669				
real estate, rental and leasing activities (NIC-08 Div. 68, 77 excluding 774)					
main items	item no.	3 digit product code			value (Rs.)
brokerage and commission charges	671				
rental/lease receipt from operational leasing	672				
receipt from renting and leasing of personal and household goods	673				
total (item 671 to 673)	679				

business and professional service activities(NIC-08 Div. 69 - 74, 78, 80 - 82)					
main items		item no.	3 digit product code		value (Rs.)
receipts from	consultancy services	681			
	legal services	682			
	audit, advertising, accounting, book keeping, architecture, engineering, photocopying	683			
	training, education, coaching	684			
	photography services	685			
	interior decoration, graphic designing, fashion designing	686			
total (items 681 to 686)		689			

[5] principal receipts during last 30 days ended on...../ last calendar month ended on (Rs. in whole number)						
educational activities(NIC-08 Div. 85)						
(1)		(2)	(3)			(4)
main items		item no.	3 digit productcode			value (Rs.)
receipts from sale of books, journals, dictionary, etc.		691	5	1	4	
		692				
		693				
		694				
receipts from other items sold		695				
receipts for development fund charges, development fee		696				
tuition fees, coaching fees		697				
transport fees, laboratory fees, examination fees, fines, library fee		698				
rental receipts (e.g., letting out of auditorium, sports ground, etc.)		701				
total (items 691 to 701)		709				

human health, social work and veterinary activities (NIC-08 Div. 75, 86-88)						
(1)		(2)	(3)			(4)
main items		item no.	3 digit productcode			value (Rs.)
receipts from sale of	drugs and medicines : allopathic	711	6	2	2	
	drugs and medicines : AYUSH	712	6	2	3	
	prepared food, refreshment and drinks	713				
	non-alcoholic beverages	714	2	5	2	
		715				
other items sold		716				
doctor's consultation fees		717				
charges for operation theatre, and other special procedures		718				
charges for ward, cabin, pathological, radiological and other diagnostic tests, diet, nursing, physiotherapy and rehabilitation, etc.		721				
fees for training (nurses, paraprofessionals, etc.)		722				
total (items 711 to 722)		729				

other personal service activities(NIC-08 Div. 96)						
main items		item no.	3 digit productcode			value (Rs.)
receipts from sale of goods in same condition as purchased	cosmetics, toiletries	731	6	2	5	
	soaps, detergents and glycerine	732	6	2	4	
	misc. food products (dog food, cat food, etc.)	733	2	4	3	
		734				
		735				
	other items sold	736				
service charges from personal service activities		737				
total (items 731 to 737)		739				

[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 5 will be recorded in this block.)			
(1)		(2)	(3)
other receipts		item no.	value (Rs.)
receipts from services provided to others including commission charges(other than manufacturing services)		741	
receipts from computer and related services		742	
change-in-stock of semi-finished goods (applicable for servicing enterprises engaged in software generation, motion picture production, etc.)		743	
receipts from services to international and extra- territorial bodies		744	
other receipts(describe)		745	
value of own construction (including labour charges) of	building	746	
	furniture and fixtures	747	
rental receivable on fixed assets (other than land)		748	
grants/ funding/ donations (excluding capital transfers like building grant, etc.) from	individual and non-govt. institutions	751	
	Government	752	
total (item 741 to 752)		759	
production subsidy/ interest subsidy (if any)		761	
capital transfers like building grants/ funding/ donations from	individual and non-govt. institutions	762	
	Government	763	
total (item 762 + item 763)		769	

Note 5: Apart from the industries mentioned in block 5, this block will also be applicable for NIC-08 Industries 37, 38, 39,90, 91, 92, 93, 941, 949, 95.

Note 6: Please take care that there is no duplication of entries in similar items in block 5.

[9] compensation to workers during last 30 days ended on / last calendar 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 (item 909 + item 919 + item 929)		939	

[10] land and fixed assets owned and hired as on the last date of reference year and monthly rent/rental payable on hired assets (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 rent/rental payable on hired assets (Rs.)
		owned	hired		
(1)	(2)	(3)	(4)	(5)	(6)
land	1001				
building	1002				
plant and machinery	1003				
transport equipment	1004				
tools and other fixed assets	1005				
software and database	1006				
information, computer and telecommunications equipment	1007				
capital work in progress	1008				
total (items 1002 to 1008)	1009				

* net addition can either be positive or negative.

[10.1] original value of plant and machinery/ equipment		
items	item no.	code
(1)	(2)	(3)
if item 202 belongs to NIC-08 Div. 10-33, 01632, 35103, 35105, 35106, 35107, 35109 original value of plant and machinery (code)	1011	
if item 202 does not belong to NIC-08 Div. 10-33, 01632, 35103, 35105, 35106, 35107, 35109 original value of equipments (code)	1012	

codes for block 10.1			
item 1011 :investment (original value) in plant and machinery (I)			
investment (I) ≤ Rs.25 lakh	1	Rs. 5 crore < I ≤ Rs. 10 crore	3
Rs.25 lakh < I ≤ Rs. 5 crore	2	I >Rs. 10 crore	4
item 1012: investment (original value) in equipments (I)			
investment (I) ≤ Rs.10 lakh	1	Rs. 2 crore < I ≤ Rs. 5 crore	3
Rs.10 lakh < I ≤ Rs. 2 crore	2	I >Rs. 5 crore	4

[11] loan outstanding as on last date of the reference year (Rs. in whole number)			
source of loan	item no.	amount outstanding as on last date of the reference year (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	1111		
friends and relatives	1112		
others	1113		
total (1101 to 1113)	1119		

[11.1] the amount of loan advanced by financial enterprises (excluding stock broker/ sub-broker) (Rs. in whole number)			
items	item no.	amount (Rs.)	
(1)	(2)	(3)	
if 'yes' in item 258, the amount of loan advanced by the enterprise as on date to	households	1121	
	others	1122	
total (item 1121 + item 1122)	1129		

[12] factor incomes of the enterprise during last 30 days ended on / last calendar month ended on (Rs. in whole number)(only for non-financial enterprises)		
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] inventories during the reference year (Rs. in whole number) (to be canvassed for enterprises providing data from books of accounts)			
items	item no.	opening (Rs.)	closing (Rs.)
(1)	(2)	(3)	(4)
raw materials & components and packing materials	1301		
fuels & lubricants	1302		
spares, stores & others	1303		
sub-total (item 1301 to 1303)	1304		
semi-finished goods/ work in progress	1305		
finished goods	1306		
goods for re-sale	1307		
total (items 1304 to 1307)	1309		

[14] particulars of use of information and communication technology (ICT) by the enterprise during last 365 days ended on...../ last year(to be canvassed for enterprises with 10 or more workers) (if entry in item 218 or item 219 is '1')		
main items	item no.	(yes-1, no-2)
(1)	(2)	(3)
does the enterprise have a web presence as on the date of survey?	1401	
does the enterprise have an intranet as on the date of survey?	1402	
did the enterprise receive orders for goods or services (that is, make sales) via the Internet during <reference period>?	1403	
did the enterprise place orders for goods or services (that is, make purchases) via the Internet during <reference period>?	1404	
how did the enterprise connect to the Internet during <reference period>?		
narrowband	1405	
fixed broadband	1406	
mobile broadband	1407	
does the enterprise have a local area network (LAN) as on the date of survey?	1408	
does the enterprise have an extranet as on the date of survey?	1409	

[14] particulars of use of information and communication technology (ICT) by the enterprise during last 365 days ended on...../ last year(to be canvassed for enterprises with 10 or more workers) (if entry in item 218 or item 219 is '1')		
main items	item no.	(yes-1, no-2)
(1)	(2)	(3)
for which of the following activities did the enterprise use the Internet during <reference period>?		
sending and receiving e-mail	1411	
telephoning over the Internet/VoIP, including video conferencing	1412	
getting information about goods and services	1413	
getting information from general government organizations	1414	
interacting with general government organizations	1415	
internet banking	1416	
accessing other financial services	1417	
providing customer services	1418	
delivering products online	1419	
internal or external recruitment	1421	
staff training	1422	
		number
average number of persons employed who routinely used computers during <reference period>.	1423	
average number of persons employed who routinely used the Internet at work during <reference period>.	1424	

item no.	explanatory notes
1401	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.
1402	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.
1403	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.
1404	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.
1405	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
1406	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.
1407	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

Appendix C

item no.	explanatory notes
	and DCMA 2000 1xEV-DV. Access can be via any device (mobile cellular phone, laptop, PDA, etc.
1408	A LAN refers to a network connecting computers within a localized area such as a single building, department or site; it may be wireless.
1409	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.
1412	VoIP refers to Voice over Internet Protocol
1415	Includes downloading/requesting forms online, making online payments and purchasing from, or selling to, government organizations. It excludes getting information from government organizations.
1416	Includes electronic transactions with a bank for payment, transfers, etc. or for looking up account information.
1417	Includes electronic transactions via the Internet for other types of financial services such as purchasing shares (stocks), financial services and insurance.
1418	Includes providing online or emailed product catalogues or price lists, product specification or configuration online, after-sales support, and order tracking online.
1419	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.
1421	Including providing information about vacancies on an intranet or website, and allowing online applications
1422	Includes e-learning applications available on an intranet or from the World Wide Web.

[15] particulars of field operations													
srl. no.	items	Field Investigator (FI) / Junior Statistical Officer (JSO)						Field Officer (FO)/ Senior Statistical Officer (SSO)					
(1)	(2)	(3)						(4)					
1501	(i) name (block letters)												
	(ii) code												
	date(s) of	D	D	M	M	Y	Y	D	D	M	M	Y	Y
1502	(i) survey / inspection												
1503	(ii) receipt												
1504	(iii) scrutiny												
1505	(iv) despatch												
1506	total time taken to canvass Sch. 2.34 (minutes)												
1507	number of investigators (FI/JSO) in the team												
1508	whether schedule contains remarks (yes-1, no-2)	in block 16			elsewhere in the schedule			in block 17			elsewhere in the schedule		
1509	signature												

[16] Remarks by Field Investigator (FI) / Junior Statistical Officer (JSO)

--

[17] Comments by supervisory officer(s)

--



NSS Division
Department of Economics and Statistics
Government of Kerala