



**National Sample Survey  
Operational & Economics Characteristics**



Department of Economics and Statistics  
Government of Kerala



**Government of Kerala**

**Report on  
Service Sector Enterprises  
(Excluding Trade) in Kerala**

**National Sample Survey  
63<sup>rd</sup> Round  
(July 2006 - June 2007)**

Department of Economics & Statistics  
Government of Kerala

# *Preface*

*The Present Report on “Service sector enterprises (excluding trade) in Kerala is brought out by this directorate on the basis of sample survey conducted under the 63rd NSS (2006 July -07 June) round. One distinctive feature of survey on service sector enterprises was the inclusion of financial enterprises under survey coverage for the first time.*

*This report contains valuable data on operational and economic features of un-organised service sector enterprises (other than trade) in Kerala with special reference to it’s number, employment, value added and other important features of this sector . The data available from the report will be useful for industrial planning, preparation of state income estimates and a host of other closely related purposes in both government departments and other public and private agencies.*

*This report was prepared by using the valuable data collected by conscientious field staff under the admirable co-operation extended by the sample households and enterprises.*

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

*Place: Thiruvananthapuram*

***V. Ramachandran***  
***Director General***

*Date :07/06/2016*

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# Highlights

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The following are the main highlights of the survey conducted during NSS 63rd round between July 2006 and June 2007.

## **Enterprises**

- ❖ The total numbers of enterprises in Kerala and falling with-in the purview of unorganised service sector were estimated as 858744.
- ❖ 605417 (70.5%) were in rural and 253327 (29.5%) were operating in urban areas.
- ❖ 678772 (73.94%) were household enterprises (OAE) operating without any hired labour and 179972 (26.06%) were establishments
- ❖ In Kerala, Transport enterprises in all forms singularly account for 17.5% Non-Banking financial institutions except Insurance and Pension funding account for 17.3% and in case of Restaurants it was 16.5%. The share of Education and Health Sector enterprises was in the order of 7.8% and 3.7% respectively.
- ❖ Kerala with 5.2% share in the total number of Enterprises had occupied 6<sup>th</sup> position in the country.

## **Employment:**

- ❖ The total employment provided by the service sector enterprises was about 19.95 lakhs
- ❖ Out of the total employment 13.64 lakhs employment (68.4%) were employed in rural enterprises while 63.02 lakhs employment (31.6%) in the enterprises operating in urban area.
- ❖ About 12.15 lakh employment (60.9%) were in household enterprises (OAE's) and 7.80 lakh employment (39.1%) were gainfully employed in establishments.
- ❖ Kerala with 5.99% share for average employment in the service sector enterprises, had occupied 7<sup>th</sup> position among 35 States/UTs in the country.

## **Financial Indicators:**

- ❖ The Gross Value Added per annum per enterprise in the unorganised service sector was Rs1.074 lakhs

- ❖ The GVA per enterprise of Household enterprises (OAE) was estimated at Rs. 0.32 lakh as against Rs. 4.27 lakhs earned by establishments.
- ❖ The Value Added per worker in this sector was estimated as Rs. 46320 per year. Value added per worker in OAE's was Rs. 16910 and that of establishments was Rs. 103006 per annum.
- ❖ Land & building accounts about 76% of the total assets of an enterprise, Plant & Machinery 4%, Transport 9% and Tools 9%, Software & Hardware and Capital work in progress is 2% in Kerala.

**Other Features:**

- ❖ Out of the total enterprises, 99.56% were perennial in nature as they were operational throughout the year.
- ❖ 82% of these enterprises were proprietary in nature. 15% were operating as cooperative society / limited company etc. 2% were partnership type
- ❖ About 15% of the enterprises were owned and managed by women.
- ❖ Social group of owner of private service sector enterprises indicated that 4% were held by SC, 0.3% were held by ST, 65% by OBC and remaining 29% were headed by persons belonging to other social groups.
- ❖ 53.4% of the enterprises were having permanent structure, 11% with Temporary structure and remaining 34% with fixed location

## Chapter One

# INTRODUCTION

### 1.1 **General**

An all-India survey on service sector enterprises (excluding trade) was carried out by the National Sample Survey Organisation (NSSO) as part of the 63rd round of National Sample Survey (NSS) during July 2006 - June 2007. Sample surveys under NSS rounds have been considered as the time tested method for assessing the contribution and magnitude of growth of this un-organized segment in India. Govt of Kerala has been participating in this survey on a matching sample basis and increased its participation by taking 50% additional samples to set better estimates at state and district level.

### 1.2 **Meaning and Coverage**

The main objective of this survey of unorganised service sector enterprises is to ascertain the length and breadth of this segment, their economic & operational characteristics, employment generated and above all its contribution to the economy of the state in terms of value added. The term “service sector” is interchangeably used with the term tertiary sector, denotes variety of services, mostly intangible form, generated to sustain the primary and the secondary sector of the economy. This survey covered un-incorporated proprietary, partnership firms, co- operative societies, trusts, public and private limited companies not registered under Section-2(m)(i) and 2(m)(ii) of the Factories Act 1948 (those employing 10 or more workers using power and those employing 20 or more but not using power). Further, enterprises run by Government/Public Sector and enterprise which operated for less than 30 days (15 days for seasonal enterprises) during the last 365 days preceding the date of survey are exempted from the coverage of the survey.

The survey also did not cover the service sector enterprises engaged in the activities of wholesale and retail trade, repair of motor vehicles, motorcycles and personal and household goods (Section G of NIC 2004), public administration and defence (L); productions activities of private households and activities of private households as employers (P) and extra-territorial organization and bodies (Q). The own-account and establishments engaged in the following fields of activity were covered under the survey:

### 1.3 **Concordance table for notations used in the report**

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H1 - Hotels

H2 - Restaurants

H - Hotels & restaurants

I1 - Storage and warehousing

I2 - Mechanized road transport

I3 - Non-mechanised motor transport, water transport and other related activities

I4 - Communication

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I - Transport, storage & communication

J1 - Nonbanking financial intermediation except insurance and pension funding

J2 - Insurance and pension funding and auxiliary activities

J - Financial intermediation

K - Real estate, renting and business activities

M - Education

N - Health and social work

O - Other community, social and personal service activities

#### 1.4 **Geographical Coverage**

The survey covered the whole Kerala with 624 rural and 323 urban samples. The survey period July 2006 - June 2007 was divided into four sub-rounds of three months' duration each as follows:

*Sub-Round 1: July - September 2006*

*Sub-Round 2: October - December 2006*

*Sub-Round 3: January - March 2007*

*Sub-Round 4: April - June 2007*

Table 1: Number of first stage units (villages / blocks) allotted and surveyed by District

District	rural		urban		Combined	
	allotted	surveyed	allotted	surveyed	allotted	surveyed
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Kasaragod	24	24	12	12	36	36
Kannoor	32	32	46	46	78	78
Wyanad	16	16	6	6	22	22
Kozhikkode	48	48	43	43	91	91
Malappuram	84	84	12	12	96	96
Palakkad	60	60	12	12	72	72
Thrissur	60	60	32	32	92	92
Eranakulam	40	40	56	56	96	96
Idukki	32	32	6	6	38	38
Kottayam	40	40	12	12	52	52
Alappuzha	44	44	24	24	68	68
Pathanamthitta	32	32	6	6	38	38
Kollam	52	52	18	18	70	70
Thiruvananthapuram	60	60	38	38	98	98
all-kerala	624	624	323	323	947	947

#### 1.5 **Schedules of enquiry**

This round was devoted to multiple subjects viz household and enterprise services. During this round, the following schedules of enquiry were canvassed:

Schedule 0.0: List of households & non – agricultural enterprises

Schedule 2.345: Service sector enterprises (excluding Trade)

Schedule 1.0: Consumer expenditure



## 1.6 Sample Design

A stratified multi-stage design was adopted for the 63rd round survey. The first-stage units (FSU) were the 2001 Census villages in the rural sector and Urban Frame Survey blocks in the urban sector. In addition, for the newly declared towns and outgrowth (OGs) in Census 2001 for which UFS had not been done, a separate list was prepared and used as a frame for such towns and OGs in the urban sector. For these towns and OGs the whole town/OG was considered as an UFS. The ultimate stage units, in both sectors, were households. In the case of large villages/ blocks requiring formation of hamlet-groups (hg)/ sub-blocks (sb), the selection of two hg's/ sb's from each FSU formed an intermediate stage of sampling.

## 1.7 Stratification

Two basic strata were formed at the State/ UT level, viz., (i) rural stratum comprising all rural areas of the district and (ii) urban stratum comprising all urban areas of the district. However, if there were one or more towns with population 10 lakhs or more as per population census 2001 in a district, each of these also formed a separate basic stratum and the remaining urban areas of the district was considered as another basic stratum.

### 1.7.1 Rural Sector

If 'r' be the sample size allocated for a rural stratum, the number of sub-strata was 'r/2'. The villages within a district as per frame were first arranged in ascending order of population. Then sub-strata 1 to 'r/2' 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 population.

### 1.7.2 Urban Sector

For the 27 cities with population 10 lacks or more where EC-98 frame was used, A number of sub-strata were formed within each stratum based on EC-98 information as under

Sub Stratum	Description
1	all FSUs, having at least one establishment (i.e. enterprises with at least one hired worker) of Financial sector (NIC 2004 codes: 659, 66,67) under coverage of survey
2	all FSUs, excluding those in the already formed sub-stratum 1, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 72,73,92
3	all FSUs, excluding those in the already formed sub-strata, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 61, 6302, 70, 71, 90, 9191, 9199
4	all FSUs, excluding those in the already formed sub-strata, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 602, 6301, 6303, 6304, 6309, 85
5	all FSUs, excluding those in the already formed sub-strata, having at least one establishment in any one of the Section H, I, J, K, M, N, O of NIC 2004 under coverage of survey
6	all FSUs, excluding those in the already formed sub-strata, having at least one own account enterprise (OAE) i.e. enterprise with no hired worker in any one of the Section H, I, J, K, M, N, O of NIC 2004 under coverage of survey
7	rest of FSUs of the stratum

For other cities and towns of an urban stratum of a district: Three sub-strata were formed as follows:

sub-stratum 1 All UFS blocks (as per the latest UFS) identified as Industrial Area (IA) or Bazar Area (BA) or Hospital Area (HA) or Slum Area (SA).

sub-stratum 2 Remaining UFS blocks.

Sub-stratum 3 Non-UFS towns/OGs of Census 2001.

## 1.8 Selection of FSUs

The sample was drawn in the form of two independent sub-samples in each stratum x sub stratum

### 1.8.1 Rural sector

FSUs were selected by Probability Proportionate to Size With Replacement (PPSWR) with size as 'other workers' (i.e. total workers minus household industry workers minus agricultural labourers minus cultivators) as per Census 2001.

### 1.8.2 Urban sector

- For the 27 million-plus cities: FSUs were selected by PPSWR with number of workers as size.
- For other cities/towns: FSUs were selected by SRSWOR.

## 1.9 Criterion for hamlet-group/sub-block formation:

Large villages/blocks were divided into a suitable number of 'hamlet-groups' in the rural sector and 'sub-block' in the urban sector. For this, approximate present population (P) and approximate total number of non-agricultural enterprises (E) for the whole FSU were ascertained. Depending upon the value of 'P' and 'E' it was divided into a suitable number of 'hamlet-groups' in the rural sector and 'sub-blocks' in the urban sector as stated below:-

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

*However, enterprises belonging to Segment 9, if any, were excluded from the value of 'E'*

## 1.10 Formation of Second Stage Strata and allocation of households

In each of the segments 1,2 and 9 of the sample FSU, eligible enterprises under coverage were divided into 8 (eight) second stage strata (SSS) as follows:

- SS1- financial intermediation excluding monetary intermediation but including money leading, self help group (SHG) co-operative credit society (659), financial intermediation (67);

- SSS 2- Storage and warehousing (6302), computer and related activities (72), research and development (73);
- SSS 3- water transport (61), sewage and refuse disposal, sanitation (90), membership organizations (91);
- SSS 4- hotels etc. (551), supporting and auxiliary transport activities, activities of travels agencies excluding storage and warehousing (6301, 6304, 6309), post and courier activities (641), real estate (701), architectural, engineering etc. (742), advertising (743), human health (851), motion pictures, radio, TV and other entertainment (921);
- SSS 5- rest of the establishments;
- (ii) OAEs:**
- SSS 6- financial intermediation excluding monetary intermediation but including money lending, self help group (SHG), co-operative credit society (659);
- SSS 7- real state (70), computer and related activities (72), research and development (73), other business activities (74);
- SSS 8- Rest of the OAEs.

The number of enterprises to be surveyed for schedules 2.345 in each FSU was as follows  
(Excluding big enterprises in segment 9).

SSS No	number of enterprises to be surveyed for schedule 2.345	
	without hg/sb formation	with hg/sb formation (for each segment)
1	2	1
2	2	1
3	2	1
4	4	2
5	4	2
6	2	1
7	4	2
8	4	2
Total	24	12

Selection of households: From each SSS the sample households were selected by SRSWOR



## Chapter Two

# CONCEPTS AND DEFINITIONS

The concepts and definitions adopted during the NSS 63rd round are explained in this section.

### 2.1 Reference Period

Last month was used as the reference period for collecting most of the data, information on receipts and expenses as well as employment, emoluments, rent, interest and value added for the enterprises were collected for the last month only. Last month referred to the last 30 days (preceding the date of survey) for perennial and casual enterprises irrespective of the number of days of operation. For seasonal enterprises also, last month referred to the last 30 days (preceding the date of survey), if they worked continuously for the last 30 days or more (including scheduled holidays) in the current season. Only for seasonal enterprises, which worked for less than 30 days in the current season, last month referred to an average month in the last working season. If some enterprise was unable to give information for the last 30 days and was able to give information for the last calendar month, figures for the same are taken. For enterprises which provided information from their books of accounts but were not able to provide information for the last month/last calendar month, average monthly values of the last accounting year were collected. In case of items "rent payable" and "interest payable", the monthly average based on yearly values were collected. For some of the items like value of fixed assets, amount of loan outstanding, etc., the reference period was 'as on the date of survey'. For other items like net additions to fixed assets, number of months operated, number of other economic activities pursued etc., the reference period was the 'last 365 days preceding the date of survey'.

### 2.2 Enterprise

An enterprise is an undertaking engaged in production and/or distribution of goods and/or services not for the sole purpose of own consumption. The workers in an enterprise may consist of members of the household or hired workers or both. The activity of the enterprise may be carried out at one or more than one distinct location. The activity of the enterprise may also be carried out only for a part of the year but on a fairly regular basis; i.e. it is in operation for the major part of the season/year. An enterprise may be owned or operated by a single household or by several households jointly (on a partnership basis) or by an institutional body or by government. In case where more than one entrepreneurial activity is carried on by the same person or by the same household but separate accounts are kept for each of these activities, they were treated as separate enterprise. However, in case where the activities cannot be distinguished from one another, then only one enterprise pertaining to the major activity was recorded and all items of information of all other minor activities were clubbed with that of major activity.

### **2.3 Unorganized Enterprise**

The unorganized sector comprised the following types of enterprises:

- (i) All the enterprises except units registered under Section 2m (i) and 2 m (ii) of the Factories Act, 1948 and Bidi and Cigar Workers (condition of employment) Act, 1966.
- (ii) All enterprises except those run by Government (Central, State, local bodies)/Public Sector Enterprises.

### **2.4 Own Account Enterprise**

An own account enterprise (OAE) is an enterprise which is run without any hired worker employed on fairly regular basis. If such an enterprise is engaged in service sector activities, it is termed as own-account enterprise.

### **2.5 Establishment**

An establishment is an enterprise engaged in economic activities with the assistance of at least one hired worker on a fairly regular basis.

### **2.6 Fairly Regular Basis**

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

### **2.7 Household Enterprise**

A household enterprise was one which was 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 was located in the premises of the household(s) or not. In other words, all proprietary and partnership enterprises were household enterprises.

### **2.8 Non-household Enterprise**

Non-household enterprises were those which were institutional i.e. owned and run by the public sector (Central or State Government, local self-government, local bodies, government undertakings, etc.) corporate sector, co-operative societies, other types of societies, institutions, associations, trusts, etc.

### **2.9 Perennial/Seasonal Enterprise**

An enterprise which runs more or less regularly throughout the year, is termed as perennial enterprise and the enterprise which runs in a particular season only is termed as seasonal enterprise. In case of persons/institutions engaged in different seasonal enterprises in different parts of the year, not more than two such major enterprises were taken into account during enumeration.

### **2.10 Casual enterprises**

Enterprises that are run occasionally, for a total of at least 30 days in the last 365 days, are called 'casual enterprises'.

### **2.11 Enterprise With Premises And Without Premises**

Enterprise operations in census house (or in front of a census house), was classified as with premises and on the other hand if the entrepreneurial activity is undertaken outside the census house (and cannot be linked to any census house) or by moving, it is termed as without premises.

### **2.12 Non-profit Institutions (NPIs)**

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 any surpluses they happen to make cannot be appropriated by other institutional units. 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 the other income which they receive. For this reason, they are frequently exempted from various kinds of taxes. The objectives of NPIs created by other institutional units - whether persons, corporations, or government - are varied. For example, NPIs may be created to provide services for the benefit of the persons or corporations who control or finance them; or they may be created for chargeable, philanthropic or welfare reasons to provide goods or services to other persons in need; or they may be intended to provide health or education services for a fee, but not for profit; or they may be intended to promote the interest of pressure groups in business or politics;' etc. Although they may provide services to groups of persons or institutional units, they are, by convention, deemed to produce only individual services and not collective service.

### **2.13 Co-operative Enterprise**

All those enterprises registered under the Act of Co- operative Societies fall under this category.

### **2.14 Government Enterprise**

All enterprises which are owned by Centre/State Government including Public sector undertaking, Local Bodies are considered as Government Enterprises. Universities, Educational Bodies and such similar Institutions, which are autonomous but are getting grants from Central/State/Local Governments, are included under this category.

### **2.15 Workers**

All persons, household and non-households, paid and unpaid, those who are directly or indirectly associated with or incidental to manufacturing and/or repairing activities of an enterprises are workers. Part-time workers are also taken as workers of the enterprises so long as they are engaged on a fairly regular basis. The workers of an enterprise have been divided into three different categories, namely, (i) Working owner (ii) hired workers; and (iii) other workers.

### **2.16 Working Owner**

The owner who personally worked in the proprietary or partnership enterprises on a fairly regular basis was termed working owner. In fact, in most of the own- account enterprises the owner himself/herself managed all activities of the enterprise without the help of anyone (on a fairly regular basis). In the case of partnership enterprises, if only one partner or some or all of the partners worked in the enterprise on a fairly regular basis then he/she/they were considered as 'working owners'.

### **2.17 Hired Worker**

A hired worker was a person employed directly or through any agency on payment of regular wage/salary in cash or kind. Apprentices, paid or unpaid, were treated as hired workers. Paid household workers, servants and resident workers of the enterprise were also considered as hired workers.

### **2.18 Other Worker/Helper**

This includes all persons belonging to the household of the proprietor or households of the partners who were working in or for the enterprise without regular salary or wages. Persons working as exchange labourer in the enterprise without salary or wages were also covered in this category. All unpaid household workers/helpers who were associated with the activities of the enterprise during the reference month placed in this category.

### **2.19 Mixed Activity**

There were enterprises, which carried out a number of activities simultaneously. If the accounts were not separable then the data pertained to the enterprise as a whole was collected and the enterprise was classified as having mixed activities and the activities of such enterprises are mixture of NIC's. The appropriate NIC in such cases was determined on the basis of major activity. Major activity refers to the activity, which yielded maximum income/turnover/employment. The above criteria was applied in the given order, i.e. income first, then turnover and then employment, to determine the major activity. The activities may be mixed at any level of NIC, but for the present survey an enterprise was considered to have mixed activity if it had multiple (at least two) activities at 2-digit level of NIC 2004 during the last 365 days.

### **2.20 Hotels**

A hotel was an enterprise that provides lodging services with or without arrangements for meals, other prepared food and refreshments. Dharamshala type lodging places, private guest/rest houses, tourist lodges, etc. were covered under hotels.

Hotel activities have been classified under NIC group 551. All hotels were covered in the survey provided they were run by private individuals/ organizations. However, similar facilities if provided by Govt. /PSU/local bodies/Statutory bodies (e.g. ISI, IIT, Universities, etc.) were excluded from the purview of this survey.

### **2.21 Restaurants**

A restaurant was one which generally provided eating and drinking services where prepared meals, food, refreshments and other snacks were sold for immediate consumption without any provision for lodging. Such establishments are variously known as restaurants, cafes, cafeterias, snack bars, lunch counters, refreshment stands, milk bars, canteens, etc. Bars and other drinking places were also treated as restaurants.

Restaurants are classified under NIC group 552. For the purpose of survey, canteens located in offices, factories, etc., were treated as restaurants if they were operated by private contractors. But departmental canteens run by government were excluded from the purview of this survey.

### **2.22 Storage & Warehousing**

The operation of storage and warehouses on hire to the farm producer, dealer or trader, processor and manufacturing enterprises, including the general public, as an independent business was termed as storage and warehousing enterprise. Storage and warehousing services in respect of grains, other food articles, oilseeds and other agricultural facilities on hire to other enterprises for potato, fruits, dairy products, fish and other food products and also refrigerated food locker on rental services chiefly delivered to individual households were included. While, storage of all manufactured products including textiles, machine tools apparatus and equipment were included, farm produce stored by the owner of the farm in his own godown or a dealer or a manufacturer storing his commodities in his own godown or warehouse were excluded.

Storage and Warehousing activities fall under NIC class 63. In the present survey, establishments of Central Warehousing Corporation, State Warehousing Corporations and the warehouses of the Central and State Governments were not included. Lockers in commercial banks and in other type of enterprises for safe storage of precious belongings were also excluded.

### **2.23 Transport**

Transport was defined as an activity that carried passengers and /or goods from one place to another as a business proposition. Supporting services incidental to transport such as packing, freighting, travel agency, etc. were included under transport enterprise. Mechanized road transport classified under NIC class 602, meant passenger transport by bus (including tramways), passenger transport by other motor vehicles, freight transport by motor vehicles or any other road transport by mechanized vehicle to qualify the activity as mechanized road transport. Other transport and related activities mean transport of passengers and/or goods in land, other than by mechanized road transport. Activity of travel agency and tour operators, activities of other transport agency, supporting services incidental to transport such as packing, freighting, travel agency etc., were also covered under other transport.

The following activities were also covered:

- i. Hackney carriages, carriage by bullock- carts/ekka/tonga etc.
- ii. transport by animals like horses, elephants, mules, camels, etc. ,
- iii. Transport by man including rickshaw-pullers, cart-operators, etc.
- iv. all kinds of water transport,



- v. Supporting services to land transport like operation of highway bridges, toll roads, parking lots, etc. and
- vi. Supporting services to water transport like operation and maintenance of piers, docks, light house, loading and discharging vessels, etc. A household renting out transport vehicles to others and not operating directly with hired or household labour to render service to others was not considered as having transport enterprise. Transport via railways (601), pipeline (603) and air transport (62) were beyond the coverage of this survey. Thus, the activities covered in this survey fall under NIC codes 602, 61, 6301, 6303, 6304 and 6309.

#### **2.24 Communication**

All enterprises that provided communication services were communication enterprises. This included courier services, ISD/STD/PCO booths, Voice Mail Services through computer networking, Video/fax services, phone plus services, voiced and non-voiced leased circuits, telex/FAX/data services through computer network, radio paging, audio services and activity of cable operators etc. Communication, falling under NIC group 64, not owned by government, Public Sector undertakings and local bodies were covered in this survey. However, activities of the cellular service operators were outside the coverage of this survey, although their agencies were covered.

#### **2.25 Real estate, Renting and Business Activities**

Real estate activities included activities like

- i. purchase, sale letting and operating of real estate i.e. residential/non-residential building,
- ii. developing and sub-dividing real estate into lots,
- iii. lessors of real property and
- iv. Real estate agents, brokers and managers engaged in renting, buying and selling, managing and appraising real estate on contract or fee basis.

Letting out of an accommodation was not included except in case of real estate agents such a business. Renting of machinery and equipment was covered. A household hiring out machinery and equipment or household durables was also treated as an enterprise. All business activities classifiable under NIC 2004 codes 70 to 74 were covered in this survey.

#### **2.26 Education**

All private educational institutions were covered whether registered or not registered. This included management training institutes, computer training centres, nursing schools, schools of music, drama, dance, fine arts, modelling, fashion designing, yoga and physical education and general coaching centres (e.g. for various competitive examinations ) etc., were also covered under this activity. This also included adult education centres.

In activities under education included in NIC group 80, all educational institutions not owned or aided by Central/State/Local Govts. /autonomous bodies like AICTE, IIT, University etc. were covered.

### **2.27 Health and Social Work**

All enterprises engaged in health and medical services came under this activity, irrespective of the system of medicine. All dispensaries, clinics and consultation chambers run by doctors were included here. The activity also included activities of veterinary services including bird hospitals. For an employed doctor and medical person (such as midwife, dai, etc.) engaging in private practice, his/her private practice alone was considered as an enterprise. All kinds of health clubs were included in this activity. All health and social work activities falling under NIC group 85, other than those owned by government public sector undertakings, local bodies were under the purview of the present survey.

### **2.28 Other Community, social and Personal Services**

This included the activities like sewage and refuse disposal, like washing and cleaning of textile products, hairdressing, beauty parlours, funeral and related activities, massage saloons, sauna baths, activities of shoe shiners, porters, car part agents, etc.; activities such as those of portrait and commercial photographic studios, etc. Activities of religious organizations or individuals who provide services directly to worshippers and activities of other membership organizations like rotary clubs, student's associations, book clubs, war veteran's associations etc. were also covered.

The coverage of other community, social and personal service activities, covered under NIC groups 90 to 93, excluded the activities of trade union and political organizations. It may be noted that individuals serving as housemaids, cooks, gardeners, governesses, babysitters, chowkidars, night watchmen, etc. were, in general, outside the coverage of the present survey. However, if such activities were provided by some agencies against prescribed fees, those agencies were treated as enterprises under respective NIC code. For example, an agency which supplies babysitters or nurses or night watchmen with some profit margin, was covered under this activity.

### **2.29 Financial enterprises**

A Financial Enterprises is an 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 for acquiring financial assets by engaging in financial transactions on the market. The role of financial intermediaries is to channel funds from lenders to borrowers by intermediating between them.

### **2.30 Gross Value Added**

Value added represents that part of production which is the actual contribution of an enterprise to the economy. Value added is calculated by deducting total value of operating expenditure (including distributive expenditure) from the total value of receipts during a reference period.

### **2.31 Fixed Assets**

Fixed assets mean assets of an enterprise in the form of land, building and other construction, plant and machinery, transport equipment, tools and other fixed assets (new or used) that have a normal economic life of more than one year from the date of acquisition i.e., through outright purchase/ hire purchase / loan/ mortgage/ and / or construction, irrespective of their use at the time of survey. Market value of the fixed assets owned by the enterprises as on last day of reference year has been considered for the purpose of this report. The hired component of fixed assets is present market value of the assets used by an enterprise but not owned by it.

□□□□□□□□

## Chapter Three

## ESTIMATED NUMBER OF ENTERPRISES

3.1 Introduction

This section is devoted to the analysis of the main features of the un-organised service sector enterprises (excl. Trade) in Kerala. These results are based on 10878 number of sample enterprises surveyed during 2006-2007. Out of total sample, 8043 were own-account enterprises and 2835 were establishments. Main focus of analysis is on three important aspects namely physical features such as number of enterprises & employment, financial aspects like value added, capital structure, and other financial indicators. The other operational characteristics like type of ownership, nature of operation. Comparison was also made with the central sample results in respect of key parameters.

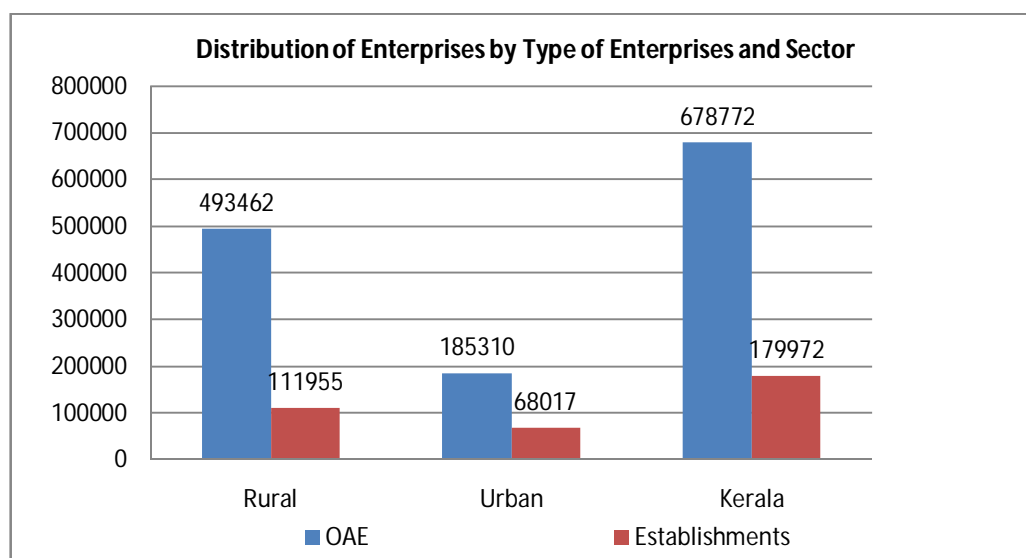
3.2 Estimated Number of Enterprises

The total numbers of enterprises operated in unorganised service sector covered by the 63rd NSS round, during 2006-07 was estimated as 858744. Out of them 605417 (70.5%) were in rural areas while 253327 (29.5%) were operating in urban areas.

The OAEs accounted for 73.94% of the enterprises and the establishment estimated remaining 26% of the total

Sector	number of enterprises			Percentage To Total
	OAE	Establishments	All	
Rural	493462	111955	605417	70.5
Urban	185310	68017	253327	29.5
Kerala	678772	179972	858744	100
Percentage To Total	73.94	26.06	100	

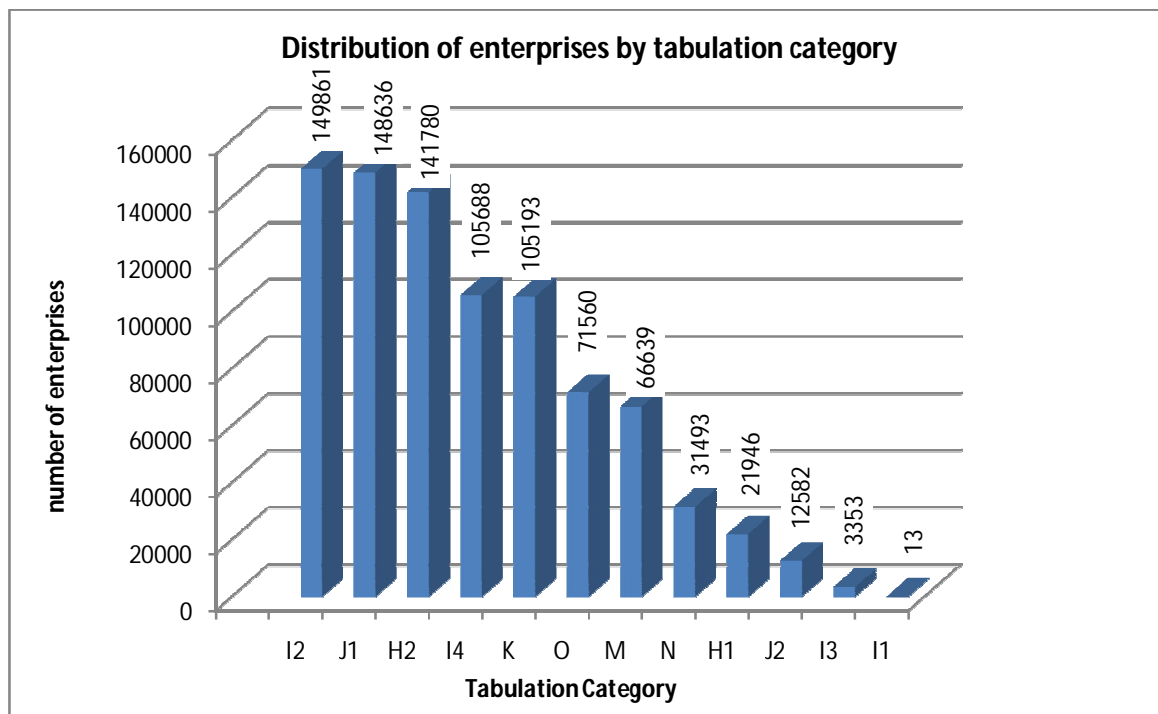
Further distribution of these enterprises brought to light that 678772 (73.94%) were household enterprises (OAE) operating without any hired labour and 179972 (26.06%) were establishments.



**3.3 Distribution of Enterprises by Tabulation Category (Kerala)**

Tabulation Category	NIC code 2004	Description	Number of enterprises			%	Rank
			OAE	ESTT	Total		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
H1	551	Hotels	15391	6555	21946	2.6	9
H2	552	Restaurant	100740	41040	141780	16.5	3
		Sub-Total	116131	47595	163726		
I1	6302	Storage And Warehousing	0	13	13	0.0	12
I2	60222,60232, 61,6301,6303, 6304,6309,	Mechanized road transport	136095	13766	149861	17.5	1
I3	60222,60232, 61,6301,6303, 6304,6309,	Non-mechanized transport, water transport and other related Activities	851	2502	3353	0.4	11
I4	64	Communication	90989	14699	105688	12.3	5
		Sub-Total	227935	30980	258915		
J1	659	Non-Banking financial institutions except Insurance and Pension funding	133584	15052	148636	17.3	2
J2	66,67	Insurance and Pension funding and auxiliary activities	11100	1482	12582	1.5	10
		Sub-Total	144684	16534	161218		
K	70-74	Real estate, Renting And Business Activities	75378	29815	105193	12.2	4
M	80	Education	39960	26679	66639	7.8	7
N	85	Health and social work	17514	13979	31493	3.7	8
O	90,9191, 9199, 92,93	Other community, social and personal service activities.	57170	14390	71560	8.3	6
Total			678772	179972	858744		
Percentage to Total			79.04242	20.95758	100		

Out of the total enterprises transport enterprises account for 17.5%, Non-Banking financial institutions except Insurance and Pension funding account for 17.3% and in case of Restaurants it was 16.5%. The share of Education and Health Sector enterprises was in the order of 7.8% and 3.7%. Tabulation category wise ranking of enterprises is presented in the following graph:-

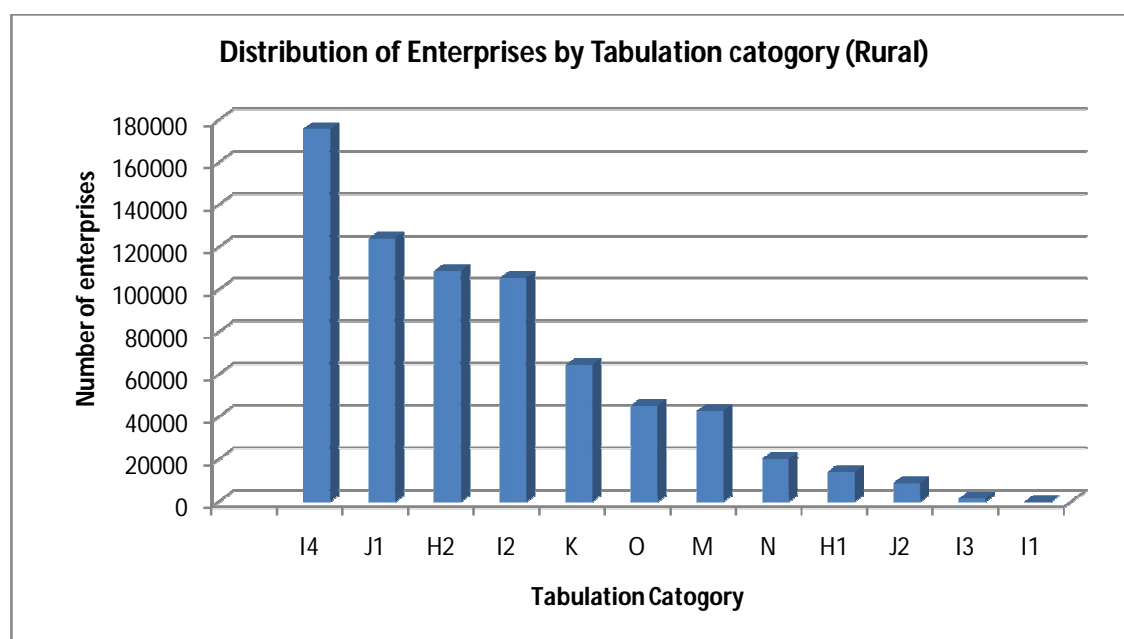


### 3.4 Distribution of Enterprises by Tabulation Category (Rural)

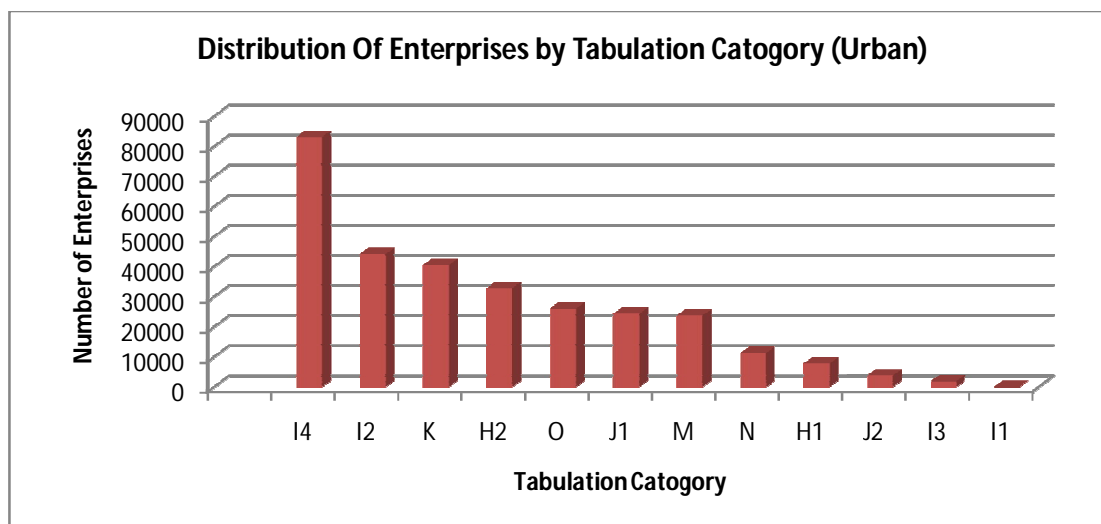
Tabulation Category	NIC code 2004	Description	Number of enterprises			%
			OAE	ESTT	Total	
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
H1	551	Hotels	11748	2429	14177	2.3
H2	552	Restaurant	80951	28036	108987	18.0
		<b>Sub-Total</b>	92699	30465	123164	
I1	6302	Storage And Warehousing	0	13	13	0.0
I2	60222,60232,61,6301,6303,6304,6309,	Mechanized road transport	94636	11015	105651	17.5
I3	60222,60232,61,6301,6303,6304,6309,	Non-mechanized transport, water transport and other related Activities	547	954	1501	0.2
I4	64	Communication	59546	9193	68739	11.4
		<b>Sub-Total</b>	154729	21175	175904	

Tabulation Category	NIC code 2004	Description	Number of enterprises			%
			OAE	ESTT	Total	
1	2	3	4	5	6	7
J1	659	Non-Banking financial institutions except Insurance and Pension funding	113879	10374	124253	20.5
J2	66,67	Insurance and Pension funding and auxiliary activities	8009	796	8805	1.5
		<b>Sub-Total</b>	121888	11170	133058	
K	70-74	Real estate, Renting And Business Activities	49784	14838	64622	10.7
M	80	Education	25159	17725	42884	7.1
N	85	Health and social work	11574	8694	20268	3.3
O	90,9191,9199, 92,93	Other community, social and personal service activities.	37629	7888	45517	7.5
Total			493462	111955	605417	
Percentage to Total			81.507787	18.492213	100	

In the rural areas of Kerala, Non-Banking financial institutions except Insurance and Pension funding with 20.5% share, occupied in first position. This is followed by Restaurant 18.0%, Mechanize road transport 17.5% in rural areas of Kerala.



### 3.5 Distribution of Enterprises by Tabulation Category (Urban)



In the urban areas of Kerala, Mechanized road transport with 17.5% Real estate, Renting And Business Activities with 16% share. This is followed by Communication 14.6%, Restaurant 12.9% in urban areas of kerala.

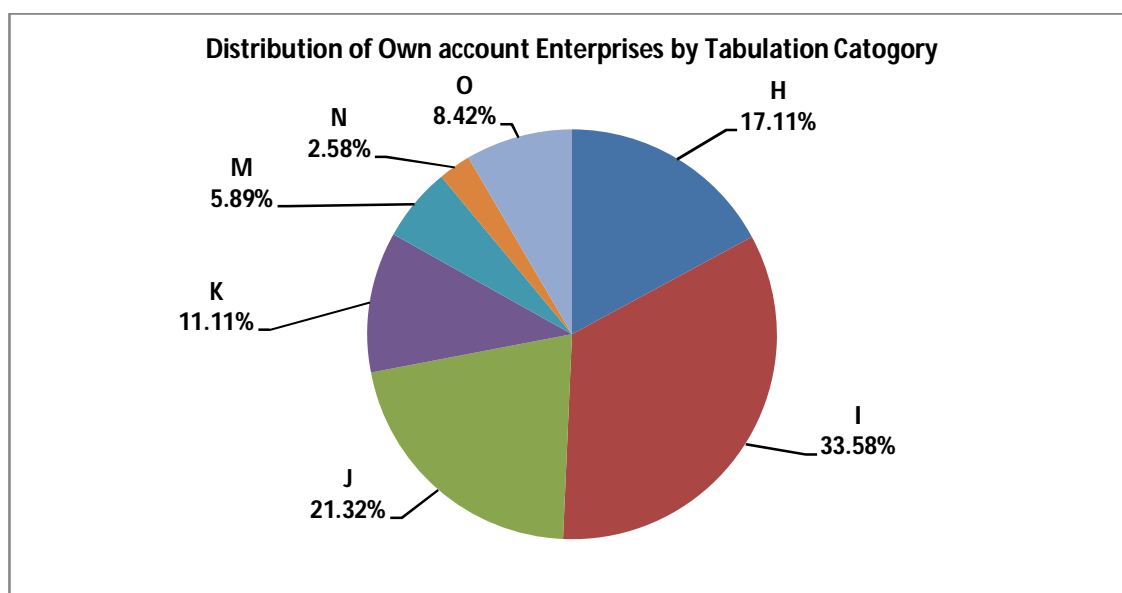
### 3.6 Distribution of Enterprises by Tabulation Category (Urban)

Tabulation Category	NIC code 2004	Description	Number of enterprises			%
			OAE	ESTT	Total	
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
H1	551	Hotels	3643	4126	7769	3.07
H2	552	Restaurant	19789	13004	32793	12.9
		<b>Sub-Total</b>	23432	17130	40562	
I1	6302	Storage And Warehousing	0	0	0	0.0
I2	60222,60232,61,6301,6303,6304,6309,	Mechanized road transport	41459	2751	44210	17.5
I3	60222,60232,61,6301,6303,6304,6309,	Non-mechanized transport, water transport and other related Activities	304	1548	1852	0.7
I4	64	Communication	31443	5506	36949	14.6
		<b>Sub-Total</b>	73206	9805	83011	



Tabulation Category	NIC code 2004	Description	Number of enterprises			%
			OAE	ESTT	Total	
1	2	3	4	5	6	7
J1	659	Non-Banking financial institutions except Insurance and Pension funding	19705	4678	24383	9.6
J2	66,67	Insurance and Pension funding and auxiliary activities	3091	686	3777	1.5
<b>Sub-Total</b>			22796	5364	28160	
K	70-74	Real estate, Renting And Business Activities	25594	14977	40571	16.0
M	80	Education	14801	8954	23755	9.4
N	85	Health and social work	5940	5285	11225	4.4
O	90,9191,9199, 92,93	Other community, social and personal service activities.	19541	6502	26043	10.3
Total			185310	68017	253327	
Percentage to Total			73.15051	26.849487	100	

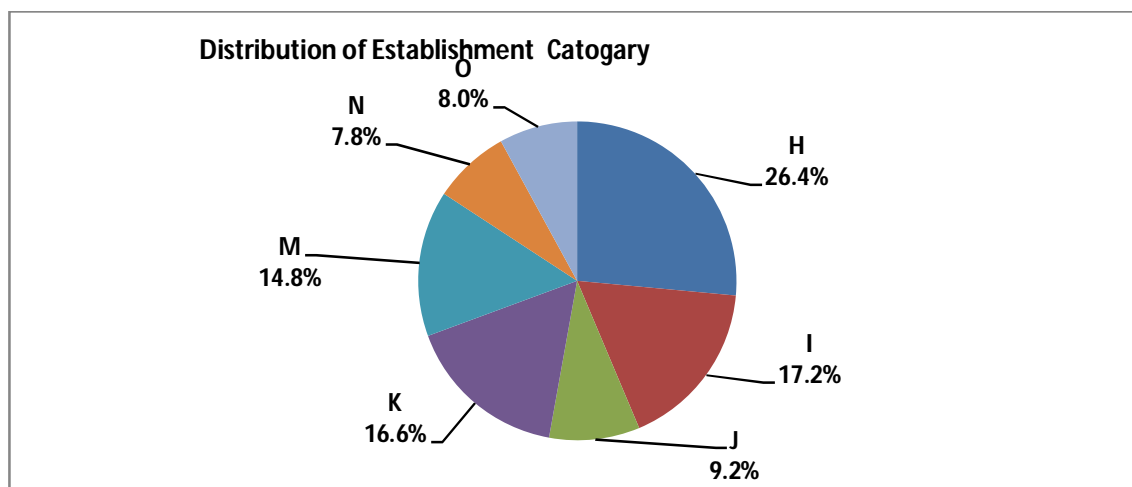
### 3.7 Distribution of Own Account Enterprises (OAE)



Analysing the enterprises by their type revealed that among the own account unorganized service sector enterprises, tabulation category 'I' covering storage & warehousing transport & other

related activities and communication alone accounted for 33.58% whereas Tabulation Category 'J' consisting Non-Banking financial institutions except. Insurance and Pension funding Insurance and Pension funding and auxiliary activities contributed 21.32 % in the total. Further hotel and restaurant had a share of 17.11%, real estate, Renting and Business activities 11.11% while Education and Health Sector accounted 5.9% and 2.58% respectively in the total number of own-account enterprises

### 3.8 Distribution of Establishment (ESST)



Enterprises of establishment category indicated that tabulation category Hotel and Restaurant accounted for 24.6% whereas Tabulation Category Real estate, Renting and Business Activities contributed 16.6% in the total. Further Education and Health Sector accounted 14.8% and 7.8% respectively in the total number of establishments.

### 3.9 States and UTs in descending order of estimated number of enterprises.

At the All India level there were about 165.12 Lakh Enterprises operating during 2006-2007. It is seen that Uttar Pradesh had the highest share (13.6%) in total number of enterprises. Kerala with 5.20% share in the total number of Enterprises had occupied 7th position among 35 States/UTs in the country.

### 3.10 Estimated number of enterprises all India

SI NO	State/UT	estimated number of enterprises (in '00)			% share
		OAE	Establishments	All (in descending order)	
1	Uttar Pradesh	19693	2770	22462	13.6
2	West Bengal	19274	1643	20917	12.67
3	Andhra Pradesh	15662	1564	17226	10.43
4	Maharashtra	11783	3111	14894	9.02
5	Tamil Nadu	9532	2398	11931	7.23
6	Bihar	7969	748	8717	5.28
7	<b>Kerala</b>	<b>6787</b>	<b>1799</b>	<b>8587</b>	<b>5.2</b>
8	Karnataka	7075	979	8053	4.88

SI NO	State/UT	estimated number of enterprises (in '00)			% share
		OAE	Establishments	All (in descending order)	
9	Gujarat	5338	1098	6435	3.9
10	Orissa	5474	746	6220	3.77
11	Rajasthan	4794	1209	6003	3.64
12	Assam	4929	1032	5961	3.61
13	Madhya Pradesh	3813	872	4685	2.84
14	Punjab	3821	690	4511	2.73
15	Jharkhand	3867	481	4348	2.63
16	Haryana	2706	573	3280	1.99
17	Chhattisgarh	1511	260	1771	1.07
18	Uttarakhand	1248	242	1490	0.9
19	Delhi	896	575	1472	0.89
20	Jammu & Kashmir	1086	303	1388	0.84
21	Himachal Pradesh	890	256	1147	0.69
22	Tripura	564	61	625	0.38
23	Meghalaya	393	128	521	0.32
24	Puducherry	255	76	331	0.2
25	Goa	180	99	280	0.17
26	Manipur	237	36	273	0.17
27	Chandigarh	134	113	247	0.15
28	Sikkim	64	34	98	0.06
29	Nagaland	55	28	83	0.05
30	Mizoram	42	21	63	0.04
31	A & N Islands	16	11	27	0.02
32	Arunachal Pradesh	14	12	26	0.016
33	Daman & Diu	12	7	19	0.012
34	D & N Haveli	12	4	16	0.01
35	Lakshadweep	6	2	8	0.005
	all-India	140922	24202	165125	100

Note: Figures of Employment for states except Kerala pertains to central sample



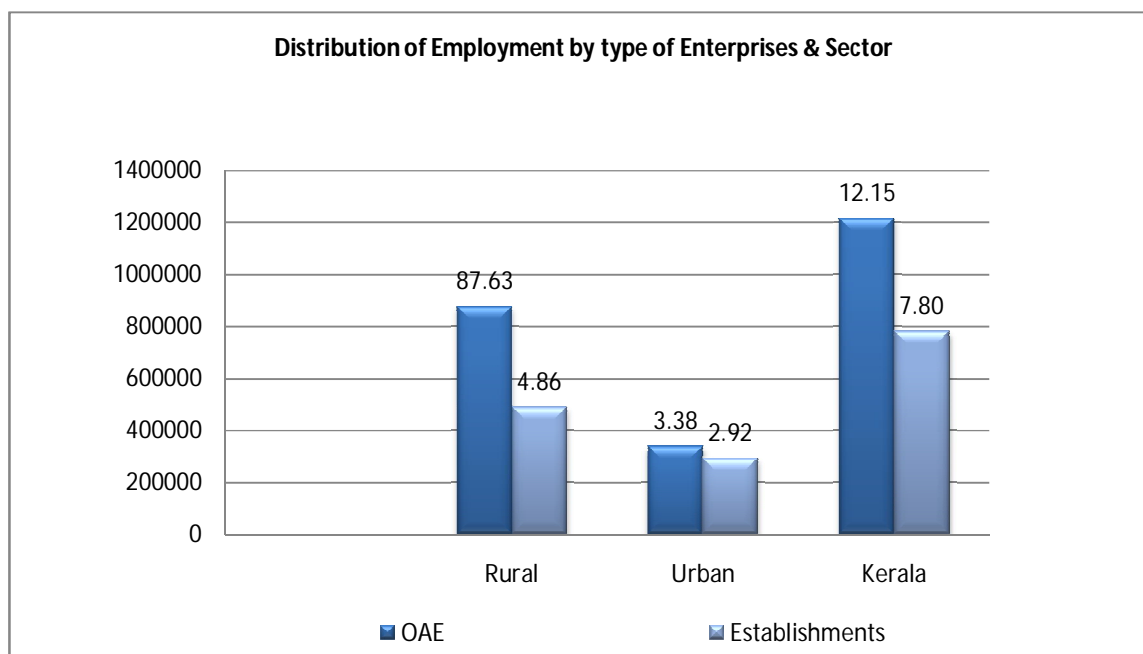
## Chapter Four

## ESTIMATED NUMBER OF WORKERS

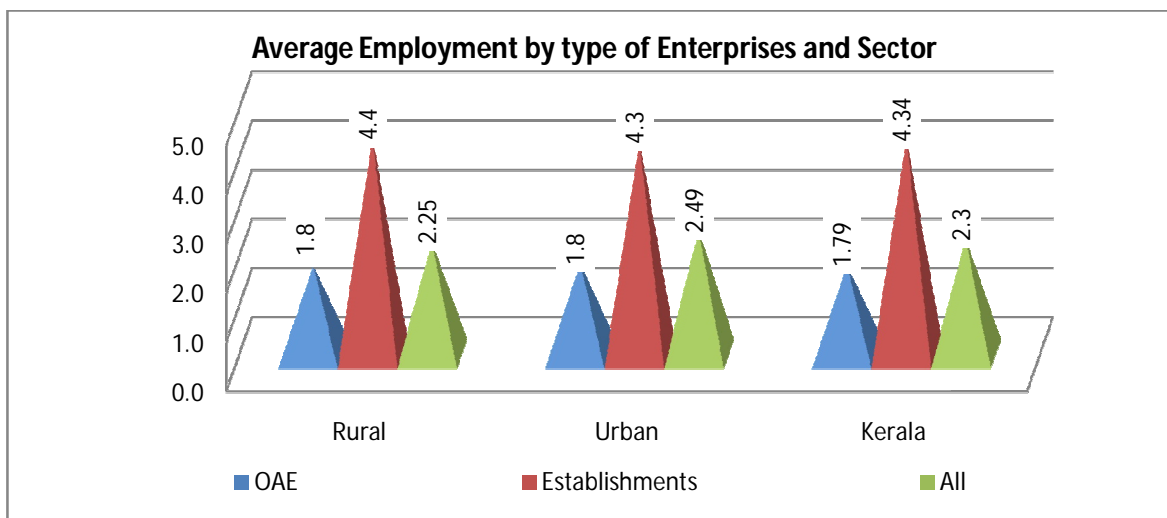
**4.1** The total employment provided by the un-organised service sector enterprises covered by the survey was about 19.95 lakhs. This includes hired and household, full-time and part-time, skilled & un-skilled workers. Of the total employment 13.64 lakhs persons (68.4%) were employed in rural enterprises while 63.02 lakhs persons (31.6%) in the enterprises operating in urban in Kerala

Item	OAE	Establishments	All	Percentage To Total
<b>Employment</b>				
Rural	876346	488519	1364865	68.4
Urban	338291	291946	630237	31.6
Kerala	1214637	780465	1995102	100
Percentage To Total	60.9	39.1	100	

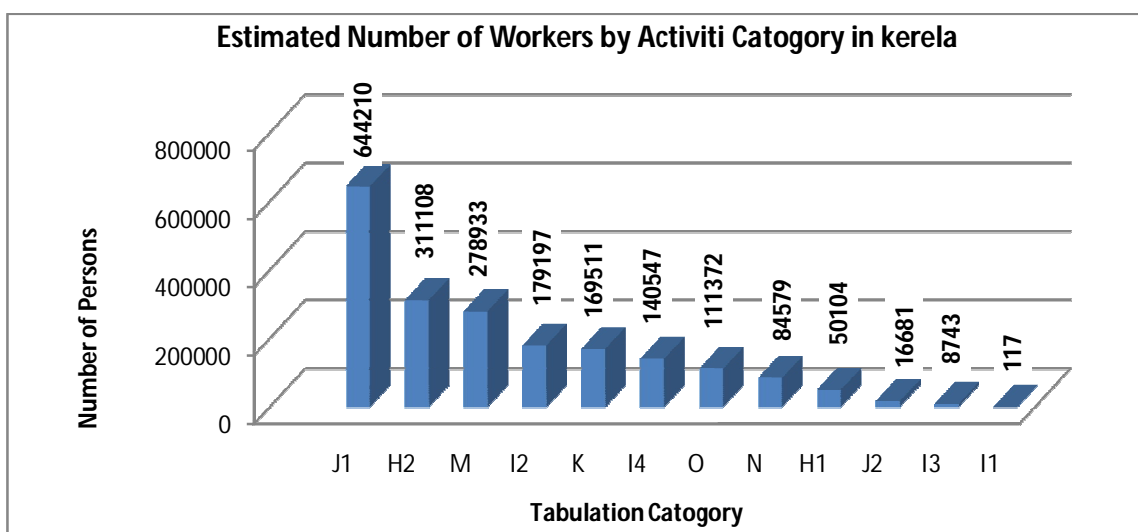
Further study revealed that about 12.15 lakh persons (60.9%) were employed in household enterprises (OAE's) and 7.80 lakh persons (39.1%) were gainfully employed in establishments. Distribution of employment sector wise and enterprise type-wise is presented in graph.



The average employment per enterprise in rural areas was 2.25 persons and that of urban areas was 2.49 persons. In Kerala average employment of own account enterprises stood at 1.79 persons and in establishments this was as high as 4.34 persons



#### 4.2 Distribution of Employment Category



#### 4.3 Distribution of Employment by Tabulation Category in Kerala

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
H1	551	Hotels	20570	29534	50104	2.5	9
H2	552	Restaurant	160362	150746	311108	15.6	2
		Sub-Total	180932	180280	361212	18.1	
I1	6302	Storage And Warehousing	0	117	117	0.0	12
I2	60222,60232,61,6301,6303,6304,6309,	Mechanized road transport	139941	39256	179197	9.0	4

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
I3	60222,60232,61,6301,6303,6304,6309,	Non-mechanized transport, water transport and other related Activities	1065	7678	8743	0.4	11
I4	64	Communication	110281	30266	140547	7.0	6
		Sub-Total	251287	77317	328604	16.5	
J1	659	Non-Banking financial institutions except Insurance and Pension funding	544610	99600	644210	32.3	1
J2	66,67	Insurance and Pension funding and auxiliary activities	11427	5254	16681	0.8	10
		Sub-Total	556037	104854	660891	33.1	
K	70-74	Real estate, Renting And Business Activities	85181	84330	169511	8.5	5
M	80	Education	46246	232687	278933	14.0	3
N	85	Health and social work	21944	62635	84579	4.2	8
O	90,9191,9199,92,93	Other community, social and personal service activities.	73010	38362	111372	5.6	7
Total			1214637	780465	1995102	100.0	
Percentage to Total			60.8809	39.11905	100		

Distribution of employment at NIC (National Industrial Classification 2004) and broad tabulation category wise is presented in statement above. Enterprises of Tabulation category J1 dealing with Non-Banking financial institutions except Insurance and Pension funding is occupied first rank.

This is followed by Restaurant (Tabulation Category 'H2') which was found to be providing employment to the extent of 15.6% in the total. Enterprises in the field of other community, education activity (Tabulation Category 'M') contributing 14.00% of the total employment occupied 3rd position

#### **4.4 Distribution of Employment by Tabulation Category (Rural)**

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
H1	551	Hotels	15513	6723	22236	1.6	9
H2	552	Restaurant	126142	91871	218013	16.0	2
		Sub-Total	141655	98594	240249	17.6	
I1	6302	Storage And Warehousing	0	117	117	0.0	12
I2	60222,60232,61,6301,6303,6304,6309,	Mechanized road transport	97705	30057	127762	9.4	4

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
1	2	3	4	5	6	7	8
I3	60222,60232,61,6301,6303,6304,6309,	Non-mechanized transport, water transport and other related Activities	757	2113	2870	0.2	11
I4	64	Communication	73697	19260	92957	6.8	6
		Sub-Total	172159	51547	223706	16.4	
J1	659	Non-Banking financial institutions except Insurance and Pension funding	410194	74102	484296	35.5	1
J2	66,67	Insurance and Pension funding and auxiliary activities	8105	1607	9712	0.7	10
		Sub-Total	418299	75709	494008	36.2	
K	70-74	Real estate, Renting And Business Activities	54949	38566	93515	6.9	5
M	80	Education	29586	165709	195295	14.3	3
N	85	Health and social work	12888	38536	51424	3.8	8
O	90,9191,9199,92,93	Other community, social and personal service activities.	46810	19858	66668	4.9	7
Total			876346	488519	1364865	100.0	
Percentage to Total			64.2075224	35.792478	100		

#### 4.5 Distribution of Employment by Tabulation Category (Urban)

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
1	2	3	4	5	6	7	8
H1	551	Hotels	5057	22811	27868	4.4	9
H2	552	Restaurant	34220	58875	93095	14.8	2
		Sub-Total	39277	81686	120963	19.2	
I1	6302	Storage And Warehousing	0	0	0	0.0	12
I2	60222,60232,61,6301,6303,6304,6309,	Mechanized road transport	42236	9199	51435	8.2	5
I3	60222,60232,61,6301,6303,6304,6309,	Non-mechanized transport, water transport and other related Activities	308	5565	5873	0.9	11

Tabulation Category	NIC code 2004	Description	Number of workers			%	Rank
			OAE	ESTT	Total		
1	2	3	4	5	6	7	8
I4	64	Communication	36584	11006	47590	7.6	6
		Sub-Total	79128	25770	104898	16.6	
J1	659	Non-Banking financial institutions except Insurance and Pension funding	134416	25498	159914	25.4	1
J2	66,67	Insurance and Pension funding and auxiliary activities	3322	3647	6969	1.1	10
		Sub-Total	137738	29145	166883	26.5	
K	70-74	Real estate, Renting And Business Activities	30232	45764	75996	12.1	4
M	80	Education	16660	66978	83638	13.3	3
N	85	Health and social work	9056	24099	33155	5.3	8
O	90,9191,9199, 92,93	Other community, social and personal service activities.	26200	18504	44704	7.1	7
Total			338291	291946	630237	100.0	
Percentage to Total			53.676791	46.323209	100		

#### **4.6 States and UTs in descending order of estimated number of workers**

At the All India level there were about 338.33 Lakh persons working in this Sector during 2006-2007. The States of Uttar Pradesh, Andhra Pradesh and ranked 1st, 2nd and 3rd position with 12.16%, 11.07 % share respectively. Kerala with 5.99% share in the total employment had secured 6th position among 35 States/UTs in the country.

#### **4.6 Estimated number of workers all India**

SI NO	State/UT	estimated number of workers (in '00)			%
		OAE	Establishments	All (in descending order)	
1	2	3	4	5	6
1	Uttar Pradesh	27181	13559	40740	12.23
2	Andhra Pradesh	27180	9924	37104	11.14
3	Maharashtra	16509	17429	33938	10.19
4	West Bengal	26159	7579	33738	10.13
5	Tamil Nadu	17666	11765	29431	8.83
6	Kerala	12146	7804	19950	5.99
7	Orissa	16206	3033	19239	5.77
8	Karnataka	10002	7930	17932	5.38
9	Bihar	10355	2734	13089	3.93
10	Gujarat	6543	5724	12267	3.68
11	Rajasthan	5890	5995	11885	3.57



SI NO	State/UT	estimated number of workers (in '00)			%
		OAE	Establishments	All (in descending order)	
1	2	3	4	5	6
12	Assam	8286	3001	11287	3.39
13	Madhya Pradesh	4993	5179	10172	3.05
14	Punjab	4287	3717	8004	2.40
15	Jharkhand	4714	1759	6473	1.94
16	Haryana	3251	2635	5886	1.77
17	Chhattisgarh	3195	1303	4498	1.35
18	Delhi	1105	2129	3234	0.97
19	Uttarakhand	1454	1005	2459	0.74
20	Jammu & Kashmir	1298	1153	2451	0.74
21	Himachal Pradesh	147	2085	2232	0.67
22	Tripura	1215	962	2177	0.65
23	Meghalaya	595	500	1095	0.33
24	Puducherry	475	445	920	0.28
25	Goa	677	175	852	0.26
26	Manipur	222	552	774	0.23
27	Chandigarh	321	210	531	0.16
28	Sikkim	108	131	239	0.07
29	Nagaland	95	141	236	0.07
30	Mizoram	55	65	120	0.04
31	A & N Islands	25	59	84	0.03
32	Arunachal Pradesh	23	47	70	0.02
33	Daman & Diu	16	37	53	0.02
34	D & N Haveli	14	18	32	0.01
35	Lakshadweep	8	8	16	0.00
	all-India	212416	120792	333208	100.00

Note: Figures of Employment for states except Kerala pertains to central sample

□□□□□□□□

## Chapter Five

## FINANCIAL INDICATORS

**5.1** Gross value added (GVA) is the measure of the value of goods and services produced in an area, industry or sector of an economy, in economics. In national accounts GVA is output minus intermediate consumption .It is a balancing item of the national accounts' production account

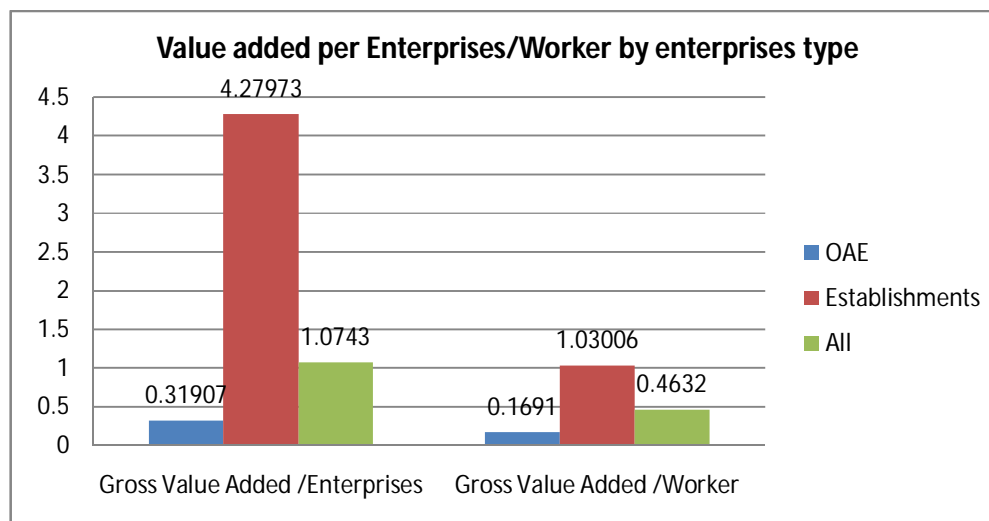
One of the prime objectives of the survey was to ascertain the Gross Value Added per enterprise/worker to assess the significance of this sector to the economy in monetary terms. More over Value added per worker also serves as an important indicator of productivity of worker. Gross Value Added can be expressed in terms of Product and Factor approach. According to product approach GVA is arrived by deducting operating expenses (including distributive expenses) from total receipts. The analysis of GVA is done by product approach method.

**5.2 Annual Gross Value Added per Enterprises and Per Worker**

Sector	number of enterprises		
	OAE	Establishments	All
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
Enterprises ( Number)			
Rural	493462	111955	605417
Urban	185310	68017	253327
Kerala	678772	179972	858744
Employment ( Number)			
Rural	876346	488159	1364865
Urban	338291	291946	630237
Kerala	1214637	781789	1995102
Gross Value Added /Enterprises Rs.			
Rural	33618	222001	65349
Urban	27063	786806	215219
Kerala	31907	427973	107430
Gross Value Added /Worker Rs.			
Rural	18032	54311	29190
Urban	13874	184179	85218
Kerala	16910	103006	46320

It is shown that each enterprise in the unorganised service sector was found to be averaging Rs. 1.07 lakhs as Gross Value Added per annum. GVA of Household enterprises (OAE) was estimated at Rs. 0.32 lakh as against Rs. 4.28 lakhs earned by establishments. It is worthwhile to observe that annual GVA of an enterprise in urban areas is more than two times to that of the rural areas.

Accordingly GVA per worker in this sector was estimated as Rs. 0.46 lakhs per year. Value added per worker in OAE's was Rs. 0.17 lakhs and that of establishments was Rs. 1.03 lakhs per annum. GVA per enterprise /worker is presented by enterprise type in graph

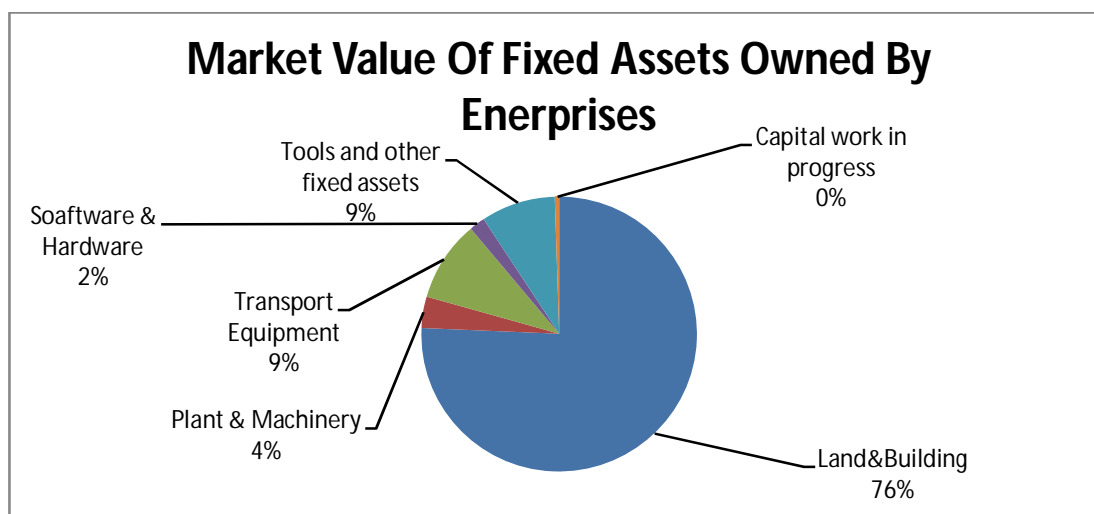


The productivity of worker expressed in terms of GVA per worker was relatively high in enterprises located in urban areas (Rs. 85218) when compared to that of (Rs.29190) in rural areas

### 5.3 Market Value of Assets Owned by Enterprise Type

Tabulation Category	Land & Building	Plant & Machinery	Transport Equipment	Software & Hardware	Tools and other fixed assets	Capital work in progress	Total
1	2	3	4	5	6	7	8
Rural							
OAE	34644	2911	15089	919	7908	709	62180
EST	263697	22624	61105	6663	39045	2618	395752
Urban							
OAE	61674	2757	19656	1333	8285	826	94531
EST	8503809	23466	31989	19985	76987	2541	1005777
Kerala							
OAE	42023	2869	16335	1032	8011	741	71011
EST	486719	22942	50101	11698	53385	2589	627434

Component of fixed Assets are present in the graph, which highlight the obvious importance of land in Kerala. Land & building accounts about 76% of the total assets of an enterprise, Transport 9% and Tools 9%, Plant & Machinery 4%, Software & Hardware 2% .



#### 5.4 Structural Ratios

Ratio analysis is an effective tool in the hands of entrepreneurs to assess the performance of the enterprises. It is more a micro level indicator rather than for the Industry/sector as a whole. Few structural ratios have been presented in the following table

#### 5.5 Selected Structural Ratios in Kerala by Tabulation Category

Tabulation Category	Ratio of						
	Total Receipts to			Value added to			Fixed assets to employment
	Employment	Fixed assets	Operating	Employment	Fixed assets	Operating	
1	2	3	4	5	6	7	8
H1	75530.6	0.1	2.1	39130.6	0.1	0.5	611010
H2	72281.2	1.7	1.6	27571.1	0.7	0.4	41841.4
H	72731.9	0.6	1.7	29174.6	0.2	0.4	120791.2
L1	223416.7	2	4	167371	1.5	0.7	111111.1
L2	56168.6	0.6	1.8	25037.3	0.2	0.4	100266
L3	49372.3	0.4	3.2	34098.3	0.3	0.7	111074.9
L4	17295.1	0.4	1.7	7252.7	0.2	0.4	40156.4
L	39420.8	0.5	1.8	17722.4	0.2	0.4	74848
J1	459969.2	43.2	1.2	63945.6	6	0.1	10652.5
J2	328805.9	5.3	1.7	140678.2	2.3	0.4	62307.8
J	456658.6	38.2	1.2	65882.3	5.5	0.1	11956.3
K	40332	0.2	4.9	32019.1	0.1	0.8	219534.9
M	104995.5	1	3.6	76045.7	0.8	0.7	101322.4
N	138992.6	1	2.2	77022.9	0.6	0.6	139302.9
O	24172.4	0.3	4	18132.9	0.2	0.8	83424.1
All	196279.9	2.4	1.3	47654.8	0.6	0.2	81538.4

## 5.6 Fixed Asset Turnover Ratio

Fixed assets turnover ratio is an activity ratio that measures how successfully a company is utilizing its fixed assets in generating revenue. A higher fixed asset turnover ratio is generally better. A high ratio indicates that a business is

1. Doing an effective job of generating sales with a relatively small amount of fixed asset
2. Outsourcing work to avoid investing in fixed assets
3. Selling off excess fixed asset capacity

A low ratio indicates that a business

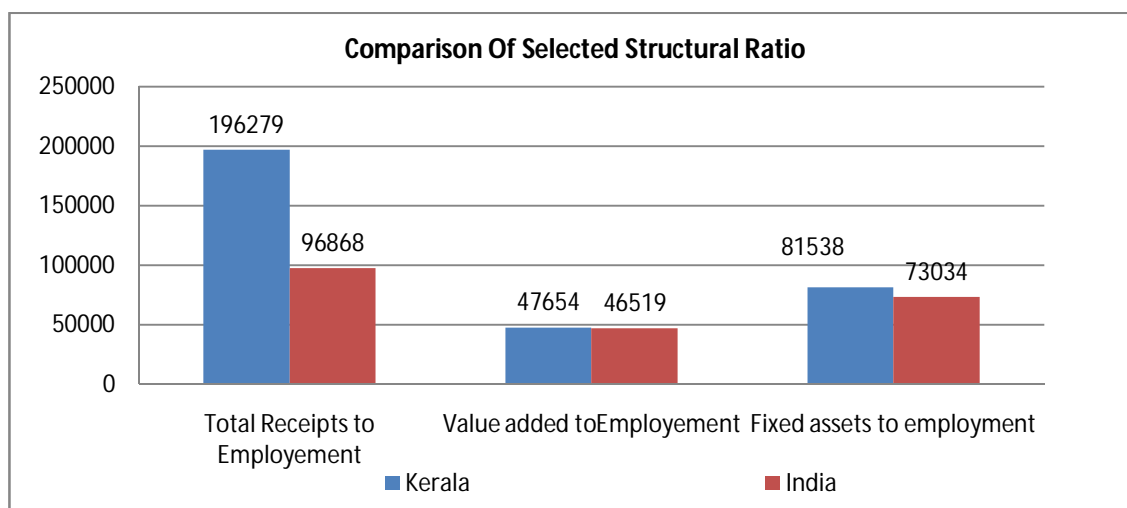
1. Is overinvested in fixed assets
2. Needs to issue new products to revive its sales
3. Has made a large investment in fixed assets, with a time delay before the new assets start Generating revenues
4. Has invested in areas that do not increase the capacity of the bottleneck operation, resulting in no Additional throughput

The formula for the ratio is

$$\text{Fixed Assets Turnover Ratio} = \frac{\text{Net Revenue}}{\text{Average Fixed Assets}}$$

Net Revenue = Gross Revenue – Sales Return

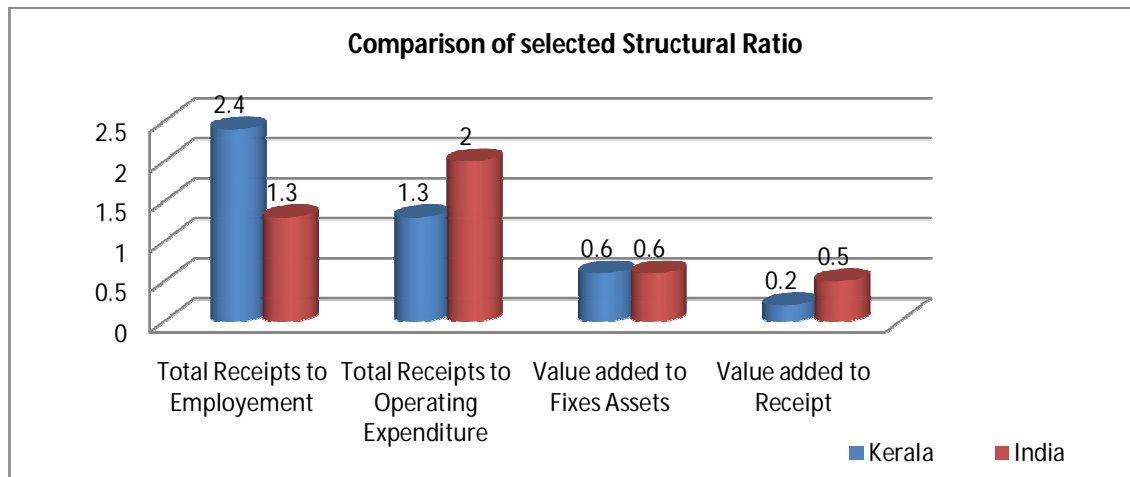
$$\text{Average Fixed Assets} = \frac{\text{Opening Balance of Fixed Assets} + \text{Ending Balance of Fixed Assets}}{2}$$



## 5.7 Earning-Expenditure Ratio

A measure of what it costs to operate a piece of property compared to the income that the property brings in. The operating expense ratio is calculated by dividing a property's operating expense by its gross operating income. Investors using the ratio can further compare each type of expense, such as utilities, insurance, taxes and maintenance, to the gross operating income, as well as the sum of all expenses to the gross operating income.

$$\text{Earning Expenditure Ratio} = \frac{\text{Total Receipts}}{\text{Total Operating Expenditure}}$$



Accordingly higher the ratio greater will be the operating efficiency of the firm. This ratio stood at 1.3 for service sector in Kerala. It implies that for every rupee spent 1.3 is earned by this sector. Tabulation category wise analysis revealed that category 'K' recorded the best ratio 4.9.

### 5.8 Selected Structural Ratios in Kerala by Tabulation Category (OAE)

Activity category	Ratio of						
	total receipts to			value added to			fixed assets to
	employment	fixed assets	operating expenses	employment	fixed assets	total receipts	employment
1	2	3	4	5	6	7	8
H1	38665.1	0.3	1.5	12520.3	0.1	0.3	132358.8
H2	41503.6	1	1.6	15716.2	0.4	0.4	42036.9
H	41180.9	0.8	1.6	15352.9	0.3	0.4	52305.5
I1	0	0	0	0	0	0	0
I2	46458.8	0.6	1.9	21759.4	0.3	0.5	79603.8
I3	37864.8	1.4	3.8	27870.3	1	0.7	27112.2
I4	13900.3	0.4	1.7	5530.6	0.1	0.4	37019.5
I	32133.6	0.5	1.8	14663.1	0.2	0.5	60692.6
J1	35605.4	17.4	2.1	18423	9	0.5	2042.5
J2	39899	1.2	4.4	30732.4	0.9	0.8	33475.9
J	35693.6	13.3	2.1	18675.9	6.9	0.5	2688.5
K	21431.9	0.1	5.1	17210.1	0.1	0.8	195856.4
M	8536.8	0.3	8.5	7535.6	0.2	0.9	32088.8
N	47049	0.5	2.3	26243.7	0.3	0.6	86429.7
O	19846.1	0.7	5.1	15991.8	0.5	0.8	29607.9
ALL	32992.9	0.8	2	16799.2	0.4	0.5	39876.4

**5.9 Selected Structural Ratios in Kerala by Tabulation Category (ESST)**

Activity category	ratio of						
	total receipts to			value added to			fixed assets to
	employment	fixed assets	operating expenses	employment	fixed assets	total receipts	employment
H1	101206.8	0.1	2.3	57664.2	0.1	0.6	944383.6
H2	105022.1	2.5	1.6	40182.3	1	0.4	41633.4
H	104397.1	0.6	1.7	43046.2	0.2	0.4	189524.6
I1	223416.7	2	4	167371	1.5	0.7	111111.1
I2	90782.4	0.5	1.7	36722.4	0.2	0.4	173923.4
I3	50968.5	0.4	3.2	34962.1	0.3	0.7	122721.2
I4	29665	0.6	1.8	13527.6	0.3	0.5	51586.2
I	63104.7	0.5	1.8	27665.6	0.2	0.4	120854.4
J1	2780379	48.2	1.1	312862.1	5.4	0.1	57731.8
J2	957153.8	7.7	1.7	379800.9	3	0.4	125014.7
J	2689021	44	1.1	316216.2	5.2	0.1	61103.2
K	59422.8	0.2	4.8	46977.5	0.2	0.8	243452.3
M	124166.4	1.1	3.6	89662	0.8	0.7	115082.4
N	171204.8	1.1	2.2	94813.2	0.6	0.6	157826.9
O	32406	0.2	3.2	22208	0.1	0.7	185846.4
ALL	450403.3	3.1	1.3	95675.4	0.7	0.2	146376.8

**5.10 Comparison of Selected Structural Ratios of Kerala & All India**

Activity category	ratio of						
	total receipts to			value added to			fixed assets to
	employment	fixed assets	operating expenses	employment	fixed assets	total receipts	employment
<b>Kerala</b>							
OAE	32993	0.8	2	16799	0.4	0.5	39876
ESST	450403	3.1	1.3	95675	0.7	0.2	146377
ALL	196280	2.4	1.3	47655	0.6	0.2	81538
<b>India</b>							
OAE	39761	1.4	2.1	20444	0.7	0.5	28999
ESST	20131	1.3	1.9	94209	0.6	0.5	153572
ALL	96868	1.3	2	46519	0.6	0.5	73034

Note: Figure pertaining to All India are based on Central Sample.

Comparison of ratios presented in statement above helps to understand of performance in Kerala.



## Chapter Six

## OTHER FEATURES

**6.1 Nature of Operation**

Based on the nature of operation, enterprises were classified into three group's viz. perennial, seasonal and casual type of enterprises

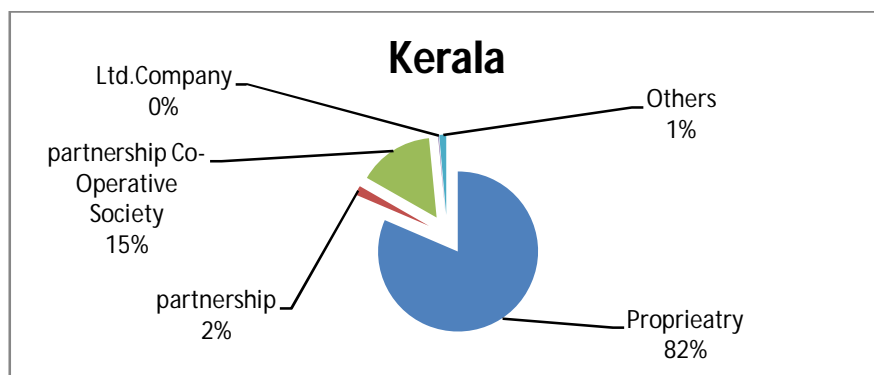
**Distribution of Enterprises by Nature of Operation and Tabulation category**

Tabulation Category	Nature of operation			All
	Perennial	Seasonal	Casual	
H1	21900	46	0	21946
H2	141342	322	116	141780
H	163242	368	116	163726
L1	13	0	0	13
L2	149167	636	58	149861
L3	3353	0	0	3353
L4	105523	70	95	105688
L	258056	706	153	258915
J1	148483	74	79	148636
J2	12415	167	0	12582
J	160898	241	79	161218
K	104224	872	97	105193
M	66154	485	0	66639
N	31401	20	72	31493
O	71000	330	230	71560
All	854975	3022	747	858744

The estimated number of enterprises by nature of operation and activity category perennial is 8.55 lakh (99.56%). The rest of enterprises constituting only 1.00% were seasonal / casual in nature.

**6.2 Type of Ownership**

During the Survey data was also collected on the type of ownership of enterprises and their results are presented in Statement gives details of Type of ownership by sector and enterprise type.





Out of the total enterprises, 82% were proprietary in nature, and of the 15% were operating as cooperative society/limited company, 2% were partnership type etc.

### 6.3 Distribution of Partnership Type of enterprise

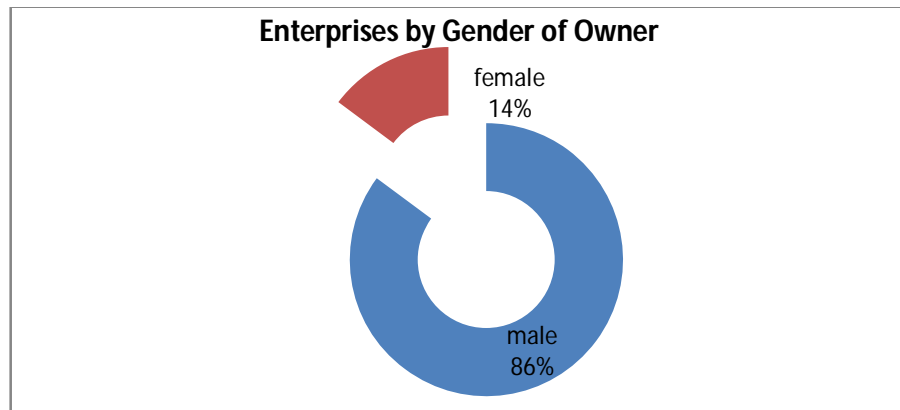
Tabulation Category	Nature of operation			% of Enterprises Within Household
	Same Household	Different Household	Total	
H1	181	163	344	52.61628
H2	1319	824	2143	61.54923
L1	0	0	0	0
L2	739	460	1199	61.6347
L3	24	39	63	38.09524
L4	253	803	1056	23.95833
J1	761	2678	3439	22.12853
J2	32	221	253	12.64822
K	1495	816	2311	64.69061
M	397	2519	2916	13.61454
N	741	416	1157	64.04494
O	513	507	1020	50.29412
All	6455	9446	15901	40.59493

41% partnership enterprises were formed out of the family members and whereas rest of the 59% was partnership enterprises composed of members outside household. The share of family based partnership enterprises was maximum in Real estate, Renting and Business activities (K), followed by enterprises engaged in the field of Health and social work N.

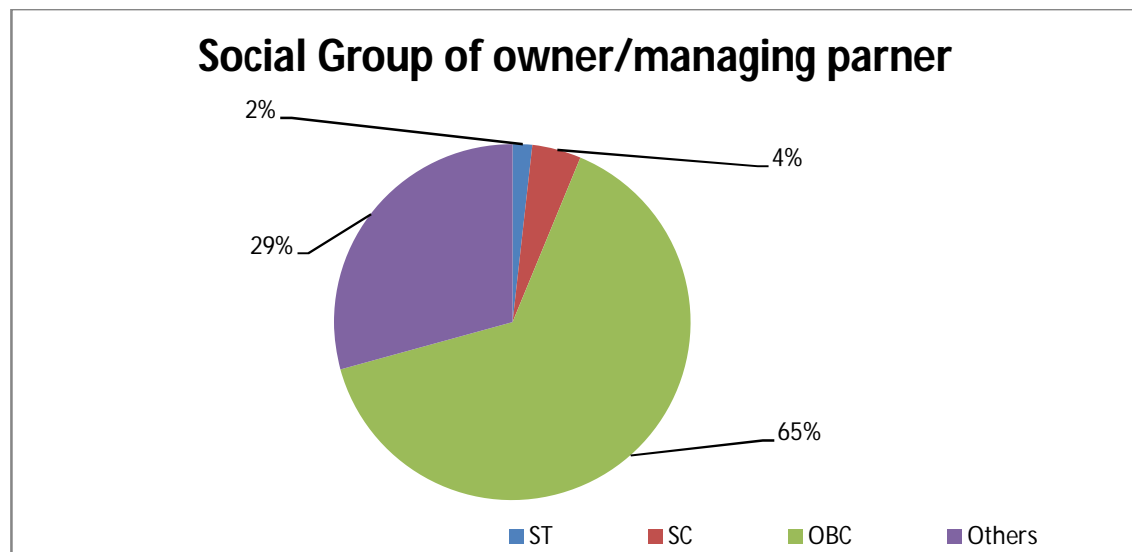
### 6.4 Distribution of enterprises by Gender of Owner

Tabulation Category	Proprietary			% of Enterprises owned by female
	Male	Female	All	
H1	19508	1932	21440	9.01
H2	131398	7371	138769	5.31
L1	13	0	13	0
L2	145259	3204	148463	2.16
L3	3170	90	3260	2.77
L4	90606	13615	104221	13.06
J1	11431	5949	17380	34.23
J2	9043	3029	12072	25.09
K	90059	11809	101868	11.59
M	24263	33242	57505	57.81
N	19799	8944	28743	31.12
O	56844	8780	65624	13.38
All	601393	97965	699358	14.01

The number of enterprises owned and managed by women on the whole, 46% were in this category. Distribution of men managed enterprises across the tabulation category revealed that 86%



**6.5 Social Group of Owner**



Social group of owner of enterprises in terms of SC, OBC and Others is relevant for privately managed enterprises namely, proprietary and partnership type only. Social group of owner of private service sector enterprises indicated that 4% were held by SC, 2% were held by ST, 65% by OBC and remaining 29% were headed by persons belonging to other social groups for the number of per thousand of enterprises by social group of owner/ managing partner.

**6.6 Type of Premises**

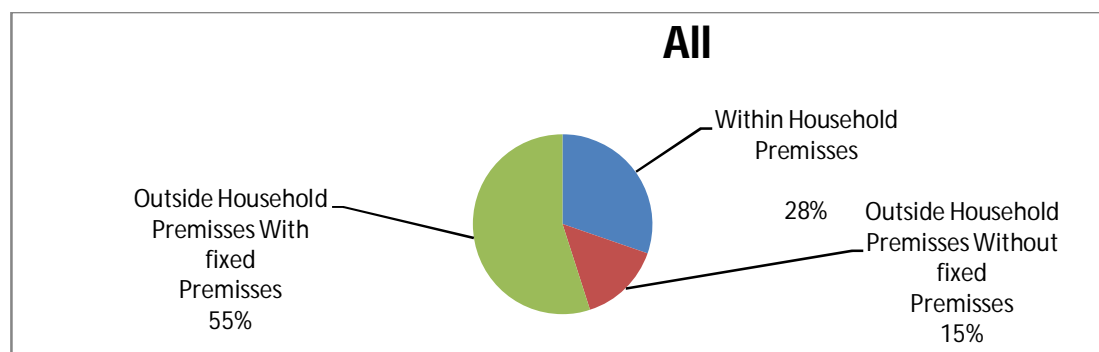
Enterprises have been classified into two broad groups with respect to type of premises viz. Enterprises within Household premises and outside household premises. Enterprise operating outside the household premises can be further classified into enterprises with fixed premises and without fixed premises.

Tabulation Category-wise Distribution of Enterprises by Type of Premises

Tabulation Category	Type of Location						All
	Within Household Premises	With Fixed Premises			Without Fixed Premises		
		Permanent Structure	Temporary Structure	Without Structure	Mobile Market	Street Vendors	
H1	1806	18527	1442	0	26	145	21946
H2	26900	109462	4150	174	142	952	141780
H	28706	127989	5592	174	168	1097	163726
L1	0	13	0	0	0	0	13
L2	11582	5878	202	23871	4453	103875	149861
L3	466	2838	0	0	0	49	3353
L4	13619	88069	1045	397	74	2484	105688
L	25667	96798	1247	24268	4527	106408	258915
J1	118412	20158	850	2328	193	6695	148636
J2	6031	2198	0	0	0	4353	12582
J	124443	22356	850	2328	193	11048	161218
K	29297	72147	808	1645	147	1149	105193
M	33818	32126	611	0	0	84	66639
N	7196	24175	122	0	0	0	31493
O	12999	55124	219	337	1319	1562	71560
All	262126	430715	9449	28752	6354	121348	858744

Enterprises located outside household premises and with fixed premises can further be divided on the basis of type of structure. Out of 55% of the enterprises having Without Fixed Premises, 15% of the enterprises were having permanent structure.

**Distribution of Enterprises by Type of location**



# Appendix A

## Detailed Tables

Estimated number of enterprises by activity category

Kerala

Sector	number of enterprises surveyed by activity category															
	H1	H2	H	I1	I2	I3	I4	I	J1	J2	J	K	M	N	O	ALL
Rural	14177	108387	123164	13	105651	1501	68739	175904	124253	8805	133058	64622	42884	20268	45517	605417
Urban	7769	32793	40562	0	44210	1852	36949	83011	24383	3777	28160	40571	23755	11225	26043	253327
all-Kerala	21946	141780	163726	13	149861	3353	105688	258915	148636	12582	161218	105193	66639	31493	71560	858744

Estimated number of workers by activity category

Kerala

Sector	number of enterprises surveyed by activity category															
	H1	H2	H	I1	I2	I3	I4	I	J1	J2	J	K	M	N	O	ALL
Rural	22236	218013	240249	117	127762	2870	92957	223706	484296	9712	494008	93515	195295	51424	66668	1364865
Urban	27868	93095	120963	0	51435	5873	47590	104898	159914	6969	166883	75996	83638	33155	44704	253327
all-Kerala	50104	311108	361212	117	179197	8743	140547	328604	644210	16681	660891	169511	278933	84579	111372	1995102

Estimated annual value (Rs.) of key characteristics per enterprise by activity category for non-financial enterprises

Rural

OAE

Activity category	annual value per enterprises										GVA	number of enterprises	
	receipts			operating expenses			distributive expenses	emoluments	rent payable on land & building	interest/dividend payable		estimated	sample
	selected receipts	Other receipts	total	selected expenses	Other expenses	total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	39732	520	40252	26136	1046	27182	0	1630	44	0	13070	11748	122
H2	49055	1360	50415	31152	1746	32898	0	1342	103	0	19667	80951	1021
H	47874	1253	49127	30516	1658	32174	0	1379	95	0	18831	92699	1143
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	38009	351	38360	20424	710	21133	0	848	0	26	17230	94636	992
I3	0	0	0	0	0	0	0	0	0	0	0	0	0
I4	11180	1016	12196	7036	830	7866	0	272	60	0	5477	59546	693
I	27647	608	28255	15253	756	16010	0	625	23	16	12691	154182	1685
J1	0	0	0	0	0	0	0	0	0	0	0	0	0
J2	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	13376	3562	16938	1514	2354	3868	0	833	119	0	13410	49784	704
M	7165	245	7410	355	544	899	0	820	21	0	6511	25159	209
N	41808	2473	44281	21130	2094	23224	0	2274	141	0	22703	11574	119
O	366	16723	17089	4	2567	2571	0	1018	167	0	14518	34398	502
ALL	27306	2711	30018	14980	1397	16377	0	945	71	7	14399	367796	4362

Estimated annual value (Rs.) of key characteristics per enterprise by activity category for non-financial enterprises

Activity category	annual value per enterprises										GVA	Establishment	
	receipts			operating expenses			distributive expenses	emoluments	rent payable on land & building	interest/dividend payable		number of enterprises	
	selected receipts	Other receipts	total	selected expenses	Other expenses	total						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	143532	1553	145086	58036	6588	64624	0	8090	77	0	82934	2429	50
H2	141494	2702	144195	82146	6003	88149	0	7334	355	0	57734	28036	417
H	141656	2610	144266	80224	6050	86273	0	7394	332	0	59743	30465	467
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	234525	4404	238929	150118	5798	155916	0	9381	8	0	83012	11015	144
I3	0	0	0	0	0	0	0	0	0	0	0	0	0
I4	43742	5429	49171	23659	7684	31343	0	1895	142	0	21575	9193	158
I	147734	4871	152605	92590	6656	99245	0	5976	69	0	55063	20208	302
J1	0	0	0	0	0	0	0	0	0	0	0	0	0
J2	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	32202	10901	43102	2760	14949	17708	14	4589	238	0	63118	14838	256
M	168485	35295	203780	14630	53374	68004	0	79164	822	0	135777	17725	227
N	481001	4864	485865	162002	103898	265900	87	30381	2579	0	223763	8694	143
O	2357	28182	30539	40	4700	4740	0	3434	314	0	25799	4755	102
ALL	154711	11807	166518	62305	24950	87255	10	21697	554	0	86301	96685	1497



Estimated annual value (Rs.) of key characteristics per enterprise by activity category for non-financial enterprises

Urban

OAE

Activity category	annual value per enterprises										GVA	number of enterprises	
	receipts			operating expenses			distributive expenses	emoluments	rent payable on land & building	interest/dividend payable		estimated	sample
	selected receipts	Other receipts	total	selected expenses	Other expenses	total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	88514	0	88514	57116	2853	59968	0	1904	0	0	28546	3643	42
H2	107057	3077	110134	69348	5037	74385	0	1126	128	0	46891	19789	247
H	104174	2599	106773	67446	4697	72143	0	1247	108	0	44039	23432	289
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	68949	284	69232	34592	538	35130	0	902	0	0	34114	41459	511
I3	0	0	0	0	0	0	0	0	0	0	0	0	0
I4	19585	1486	21070	12968	1360	14328	0	257	78	0	8261	31443	405
I	47658	802	48460	25265	892	26158	0	624	34	0	22964	72902	916
J1	0	0	0	0	0	0	0	0	0	0	0	0	0
J2	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	26375	10960	37335	2734	3767	6502	4	1415	184	0	31133	25594	337
M	13544	534	14078	502	1098	1600	0	916	142	0	12478	14801	147
N	80861	2045	82906	27428	4181	31608	0	1359	201	0	52700	5940	73
O	2013	35481	37495	1123	5002	6125	0	805	188	0	34356	17828	215
ALL	45528	6558	52085	22945	2503	25449	1	915	102	0	28742	160497	1977

Estimated annual value (Rs.) of key characteristics per enterprise by activity category for non-financial enterprises

Activity category	annual value per enterprises										GVA	Establishment	
	receipts			operating expenses			distributive expenses	emoluments	rent payable on land & building	interest/dividend payable		number of enterprises	
	selected receipts	Other receipts	total	selected expenses	Other expenses	total						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	634547	2287	636834	96807	176693	273500	0	19065	822	0	363333	4126	62
H2	821800	11503	833303	447695	113682	561377	113	23885	1039	0	341230	13004	215
H	776698	9283	785981	363179	128859	492038	86	22724	986	0	346554	17130	277
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	316084	7253	323337	140108	7019	147127	0	11221	23	0	191612	2751	44
I3	0	0	0	0	0	0	0	0	0	0	0	0	0
I4	59152	9451	68603	28424	7950	36375	0	1837	420	0	38334	5506	81
I	144754	8719	153473	65634	7640	73274	0	4964	288	0	89402	8257	125
J1	0	0	0	0	0	0	0	0	0	0	0	0	0
J2	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	115723	101377	217100	8978	43540	52518	0	10327	537	0	201981	14977	238
M	2176700	317532	2494232	181764	580283	762047	0	171591	2055	0	2061260	8954	130
N	654128	30503	684630	299325	168469	467795	0	48438	569	0	755578	5285	97
O	2821	91085	93906	474	19135	19609	0	5968	568	0	74297	4874	76
ALL	658981	87389	746371	169972	153034	323006	25	40460	866	0	546625	59477	943

Estimated annual value (Rs.) of key characteristics per enterprise by activity category for non-financial enterprises

Combined												all enterprises type	
Activity category	annual value per enterprises										GVA	number of enterprises	
	receipts			operating expenses			distributive expenses	emoluments	rent payable on land & building	interest/dividend payable		estimated	sample
	selected receipts	Other receipts	total	selected expenses	Other expenses	total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	171148	880	172028	48096	34982	83078	0	5668	186	0	89224	21946	276
H2	146306	2795	149101	84772	13314	98086	10	4564	242	0	60488	141780	1900
H	149635	2538	152174	79856	16218	96074	9	4712	234	0	64340	163726	2176
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	66117	757	66874	36073	1152	37225	0	1680	1	16	29937	149861	1691
I3	0	0	0	0	0	0	0	0	0	0	0	0	0
I4	19012	1979	20991	11361	1955	13316	0	490	91	0	9417	105688	1337
I	46636	1262	47898	25853	1484	27337	0	1188	38	10	21451	255549	3028
J1	0	0	0	0	0	0	0	0	0	0	0	0	0
J2	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	0	0	0
K	33766	20324	54090	3049	10338	13387	3	2856	211	0	51582	105193	1535
M	343002	52265	395266	28560	92616	121176	0	44626	534	0	318307	66639	713
N	273174	7756	280931	107893	58512	166405	24	17608	897	0	206853	31493	432
O	1187	28870	30057	366	4738	5104	0	1532	216	0	25814	61855	895
ALL	104467	12257	116723	37001	18160	55161	4	7303	216	4	74168	684455	8779

Table (EC) 14: Annual gross value added (in Rs.) per enterprise by activity category and by district

Estimated value (Rs.) of owned fixed assets as on last date of reference year and annual rent on hired assets (Rs.) per enterprise by activity category

Rural

OAE

Activity category	value ( Rs ) of owned fixed assets as on last date of reference year per enterprise							annual rent payable on hired assets per enterprise					
	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	capital working progress	total	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	164579	80	13	0	8288	765	173724	44	0	0	0	0	44
H2	47110	2074	345	111	11293	160	61093	103	1	0	0	0	104
H	61997	1821	303	97	10912	236	75367	95	1	0	0	0	96
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	1484	2955	74003	706	1541	5	80694	0	0	0	0	0	0
I3	0	799	5759	0	9626	0	16184	1017	0	0	0	0	1017
I4	29849	5586	170	2078	6173	173	44029	60	0	0	0	2	62
I	12395	3960	45348	1232	3352	70	66356	27	0	0	0	1	27
J1	2985	84	3	55	914	2389	6430	28	1	0	0	0	28
J2	15596	0	9991	4807	4121	152	34668	63	0	0	0	0	63
J	3814	79	659	367	1125	2242	8285	30	0	0	0	0	31
K	129286	10172	5147	3540	29312	578	178034	119	4	0	0	0	123
M	25624	912	2385	896	4134	45	33996	21	0	0	0	0	21
N	90583	4375	264	200	16215	16	111653	141	6	0	0	0	147
O	22224	1732	32	219	12857	369	37434	154	1	0	0	28	182
ALL	34644	2911	15089	919	7908	709	62179	62	1	0	0	2	65

Estimated value (Rs.) of owned fixed assets as on last date of reference year and annual rent on hired assets (Rs.) per enterprise by activity category

Rural

Establishment

Activity category	value ( Rs ) of owned fixed assets as on last date of reference year per enterprise							annual rent payable on hired assets per enterprise					
	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	capital working progress	total	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	628689	953	30	0	18226	1497	649395	77	0	0	0	0	77
H2	105861	4717	2990	84	25658	372	139682	355	8	0	0	3	366
H	147546	4417	2754	78	25066	462	180322	332	7	0	0	3	343
I1	0	0	1000000	0	0	0	1000000	0	0	0	0	0	0
I2	5573	67307	446246	202	5731	0	525058	8	0	0	0	0	8
I3	175472	38236	235655	6132	33692	2332	491519	306	0	0	0	0	306
I4	41122	22959	17342	9887	19085	108	110503	142	0	0	0	0	143
I	28658	46702	250892	4674	12785	152	343862	80	0	0	0	0	80
J1	155186	7582	2320	5947	48136	10435	229606	19529	5	0	0	0	19534
J2	0	663	10296	4744	28738	0	44441	1758	0	0	0	0	1758
J	144127	7089	2888	5862	46753	9692	216411	18263	4	0	0	0	18267
K	180134	18811	3601	8551	86986	1766	299850	238	1	0	0	0	240
M	815533	10982	63221	21635	39733	3231	954336	822	5	0	0	0	827
N	391231	85955	24242	7547	59385	9490	577850	2579	0	0	0	14	2594
O	289173	13843	3472	399	38470	192	345550	497	0	0	0	0	497
ALL	263697	22624	61105	6663	39045	2618	395752	2325	3	0	0	2	2330

Estimated value (Rs.) of owned fixed assets as on last date of reference year and annual rent on hired assets (Rs.) per enterprise by activity category

Urban

OAE

Activity category	value ( Rs ) of owned fixed assets as on last date of reference year per enterprise							annual rent payable on hired assets per enterprise					
	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	capital working progress	total	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	168031	212	0	351	14958	3164	186717	0	0	0	0	0	0
H2	76421	1170	35	138	12387	144	90297	128	0	0	0	0	128
H	90664	1021	30	172	12787	614	105288	108	0	0	0	0	108
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	2195	2670	76505	539	1639	0	83547	0	0	5	0	0	6
I3	55987	79	0	0	9796	0	65862	220	0	0	0	0	220
I4	31819	5873	117	2493	4985	328	45614	78	0	0	0	0	78
I	15142	4035	43378	1376	3110	141	67181	34	0	3	0	0	38
J1	13184	301	20	100	1949	3702	19257	10	0	0	0	0	10
J2	6350	0	15041	6058	6480	0	33929	21	0	0	0	0	21
J	12258	260	2057	908	2564	3200	21246	12	0	0	0	0	12
K	269109	3708	853	4059	20040	1807	299575	184	3	0	0	0	187
M	12144	656	26131	846	2379	187	42341	142	0	0	0	0	142
N	73336	7516	1465	837	18375	207	101736	201	0	0	0	0	201
O	21160	1864	106	10	14957	264	38360	195	0	0	0	42	237
ALL	61674	2757	19656	1333	8285	826	94530	93	0	1	0	4	99

Estimated value (Rs.) of owned fixed assets as on last date of reference year and annual rent on hired assets (Rs.) per enterprise by activity category

Urban

OAE

Activity category	value ( Rs ) of owned fixed assets as on last date of reference year per enterprise							annual rent payable on hired assets per enterprise					
	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	capital working progress	total	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	168031	212	0	351	14958	3164	186717	0	0	0	0	0	0
H2	76421	1170	35	138	12387	144	90297	128	0	0	0	0	128
H	90664	1021	30	172	12787	614	105288	108	0	0	0	0	108
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	2195	2670	76505	539	1639	0	83547	0	0	5	0	0	6
I3	55987	79	0	0	9796	0	65862	220	0	0	0	0	220
I4	31819	5873	117	2493	4985	328	45614	78	0	0	0	0	78
I	15142	4035	43378	1376	3110	141	67181	34	0	3	0	0	38
J1	13184	301	20	100	1949	3702	19257	10	0	0	0	0	10
J2	6350	0	15041	6058	6480	0	33929	21	0	0	0	0	21
J	12258	260	2057	908	2564	3200	21246	12	0	0	0	0	12
K	269109	3708	853	4059	20040	1807	299575	184	3	0	0	0	187
M	12144	656	26131	846	2379	187	42341	142	0	0	0	0	142
N	73336	7516	1465	837	18375	207	101736	201	0	0	0	0	201
O	21160	1864	106	10	14957	264	38360	195	0	0	0	42	237
ALL	61674	2757	19656	1333	8285	826	94530	93	0	1	0	4	99

Estimated value (Rs.) of owned fixed assets as on last date of reference year and annual rent on hired assets (Rs.) per enterprise by activity category

Combined

all enterprises type

Activity category	value ( Rs ) of owned fixed assets as on last date of reference year per enterprise							annual rent payable on hired assets per enterprise					
	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	capital working progress	total	land & building	plant & machinery	transport equipment	software & Hardware	tools and other fixed assets	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	1331048	841	3193	2682	55841	1289	1394895	186	0	0	0	0	186
H2	68441	3926	915	189	18061	198	91731	242	4	0	0	5	251
H	237682	3513	1220	523	23125	344	266408	234	4	0	0	4	242
I1	0	0	1000000	0	0	0	1000000	0	0	0	0	0	0
I2	2684	7672	105821	612	1894	3	118686	1	0	2	0	0	3
I3	71241	11066	172969	8664	24482	1208	289629	878	0	0	0	0	878
I4	31640	8066	1789	3309	8029	240	53073	91	0	0	0	1	92
I	15392	7876	64270	1817	4691	115	94161	49	0	1	0	0	50
J1	28035	692	2620	1379	7935	3449	44109	1587	1	0	0	0	1587
J2	53452	42	11056	8747	9212	97	82607	217	0	0	0	0	217
J	30018	641	3278	1954	8034	3188	47114	1480	1	0	0	0	1481
K	289102	11386	4291	6781	38796	1630	351985	211	3	0	0	0	214
M	337587	9219	29513	16085	25360	1121	418885	534	1	0	0	0	536
N	255427	37163	9115	4189	49667	3238	358799	897	19	0	0	4	921
O	103807	5253	432	246	19758	288	129783	234	0	0	0	26	260
ALL	135221	7076	23412	3267	17520	1128	187624	457	2	0	0	3	463



## A few structural ratios at all Kerala level by activity category

Combined

all enterprises type

Activity category	ratio of							number of enterprises	
	total receipts to			value added to			fixed assets to		
	employment	fixed assets	operating expenses	employment	fixed assets	total receipts	employment	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	75530.6	0.1	2.1	39130.6	0.1	0.5	611010	21946	276
H2	72281.2	1.7	1.6	27571.1	0.7	0.4	41841.4	141780	1900
H	72731.9	0.6	1.7	29174.6	0.2	0.4	120791.2	163726	2176
I1	223416.7	2	4	167371	1.5	0.7	111111.1	13	1
I2	56168.6	0.6	1.8	25037.3	0.2	0.4	100266	149861	1691
I3	49372.3	0.4	3.2	34098.3	0.3	0.7	111074.9	3353	57
I4	17295.1	0.4	1.7	7252.7	0.2	0.4	40156.4	105688	1337
I	39420.8	0.5	1.8	17722.4	0.2	0.4	74848	258915	3086
J1	459969.2	43.2	1.2	63945.6	6	0.1	10652.5	148636	1755
J2	328805.9	5.3	1.7	140678.2	2.3	0.4	62307.8	12582	156
J	456658.6	38.2	1.2	65882.3	5.5	0.1	11956.3	161218	1911
K	40332	0.2	4.9	32019.1	0.1	0.8	219534.9	105193	1535
M	104995.5	1	3.6	76045.7	0.8	0.7	101322.4	66639	713
N	138992.6	1	2.2	77022.9	0.6	0.6	139302.9	31493	432
O	24172.4	0.3	4	18132.9	0.2	0.8	83424.1	71560	1025
ALL	196279.9	2.4	1.3	47654.8	0.6	0.2	81538.4	858744	10878

## Estimate No. of enterprises by nature of operation and by activity category

Rural

kerala

OAE

activity category	no. of enterprises by nature of operation				number of enterprises	
	perennial	seasonal	casual	all	estimated	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)
H1	11702	46	0	11748	11748	122
H2	80610	225	116	80951	80951	1021
H	92312	271	116	92699	92699	1143
I1	0	0	0	0	0	0
I2	94345	233	58	94636	94636	992
I3	547	0	0	547	547	9
I4	59476	70	0	59546	59546	693
I	154368	303	58	154729	154729	1694
J1	113805	74	0	113879	113879	1255
J2	7931	78	0	8009	8009	87
J	121736	152	0	121888	121888	1342
K	49672	112	0	49784	49784	704
M	24980	179	0	25159	25159	209
N	11502	0	72	11574	11574	119
O	37502	0	127	37629	37629	537
all	492072	1017	373	493462	493462	5748

Estimate No. of enterprises by nature of operation and by activity category

Rural activity category	kerala				Establishment	
	no. of enterprises by nature of operation				number of enterprises	
	perennial	seasonal	casual	all	estimated	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)
H1	2429	0	0	2429	2429	50
H2	28036	0	0	28036	28036	417
H	30465	0	0	30465	30465	467
I1	13	0	0	13	13	1
I2	11015	0	0	11015	11015	144
I3	954	0	0	954	954	17
I4	9193	0	0	9193	9193	158
I	21175	0	0	21175	21175	320
J1	10374	0	0	10374	10374	172
J2	796	0	0	796	796	13
J	11170	0	0	11170	11170	185
K	14814	24	0	14838	14838	256
M	17725	0	0	17725	17725	227
N	8674	20	0	8694	8694	143
O	7888	0	0	7888	7888	145
all	111911	44	0	111955	111955	1743

Estimate No. of enterprises by nature of operation and by activity category

Urban

kerala

OAE

activity category	no. of enterprises by nature of operation				number of enterprises	
	perennial	seasonal	casual	all	estimated	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)
H1	3643	0	0	3643	3643	42
H2	19692	97	0	19789	19789	247
H	23335	97	0	23432	23432	289
I1	0	0	0	0	0	0
I2	41056	403	0	41459	41459	511
I3	304	0	0	304	304	7
I4	31348	0	95	31443	31443	405
I	72708	403	95	73206	73206	923
J1	19626	0	79	19705	19705	243
J2	3002	89	0	3091	3091	43
J	22628	89	79	22796	22796	286
K	25209	288	97	25594	25594	337
M	14495	306	0	14801	14801	147
N	5940	0	0	5940	5940	73
O	19164	274	103	19541	19541	240
all	183479	1457	374	185310	185310	2295

Estimate No. of enterprises by nature of operation and by activity category

Urban	kerala				Establishment	
	no. of enterprises by nature of operation				number of enterprises	
activity category	perennial	seasonal	casual	all	estimated	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)
H1	4126	0	0	4126	4126	62
H2	13004	0	0	13004	13004	215
H	17130	0	0	17130	17130	277
I1	0	0	0	0	0	0
I2	2751	0	0	2751	2751	44
I3	1548	0	0	1548	1548	24
I4	5506	0	0	5506	5506	81
I	9805	0	0	9805	9805	149
J1	4678	0	0	4678	4678	85
J2	686	0	0	686	686	13
J	5364	0	0	5364	5364	98
K	14529	448	0	14977	14977	238
M	8954	0	0	8954	8954	130
N	5285	0	0	5285	5285	97
O	6446	56	0	6502	6502	103
all	67513	504	0	68017	68017	1092

## Estimate No. of enterprises by nature of operation and by activity category

Combined

kerala

all enterprise type

activity category	no. of enterprises by nature of operation				number of enterprises	
	perennial	seasonal	casual	all	estimated	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)
H1	21900	46	0	21946	21946	276
H2	141342	322	116	141780	141780	1900
H	163242	368	116	163726	163726	2176
I1	13	0	0	13	13	1
I2	149167	636	58	149861	149861	1691
I3	3353	0	0	3353	3353	57
I4	105523	70	95	105688	105688	1337
I	258056	706	153	258915	258915	3086
J1	148483	74	79	148636	148636	1755
J2	12415	167	0	12582	12582	156
J	160898	241	79	161218	161218	1911
K	104224	872	97	105193	105193	1535
M	66154	485	0	66639	66639	713
N	31401	20	72	31493	31493	432
O	71000	330	230	71560	71560	1025
all	854975	3022	747	858744	858744	10878

## Estimate No. of no. of enterprises by type of ownership and by district

activity category	no. of enterprises with ownership type									number of enterprises	
	proprietary		partnership with members of		Cooperative society /SHG	limited company		others	all	estimated	sample
	male	female	same household	different households		private	public				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	12611	1352	17	88	0	32	0	77	14177	14177	172
H2	101462	5738	850	497	367	0	0	73	108987	108987	1438
H	114073	7090	867	585	367	32	0	150	123164	123164	1610
I1	13	0	0	0	0	0	0	0	13	13	1
I2	102728	1844	567	384	68	0	0	60	105651	105651	1136
I3	1466	0	0	35	0	0	0	0	1501	1501	26
I4	59892	7697	173	747	85	55	0	90	68739	68739	851
I	164099	9541	740	1166	153	55	0	150	175904	175904	2014
J1	8641	5229	393	1802	107232	418	0	538	124253	124253	1427
J2	6872	1841	0	0	66	26	0	0	8805	8805	100
J	15513	7070	393	1802	107298	444	0	538	133058	133058	1527
K	55759	7330	635	402	415	0	0	81	64622	64622	960
M	16420	20067	110	1995	508	101	0	3683	42884	42884	436
N	11930	6265	625	374	441	71	0	562	20268	20268	262
O	37193	4465	389	178	328	0	33	2931	45517	45517	682
all	414987	61828	3759	6502	109510	703	33	8095	605417	605417	7491

Estimate No. of enterprises by type of ownership and by activity category

Urban

kerala

all enterprise  
type

activity category	no. of enterprises with ownership type								number of enterprises		
	proprietary		partnership with members of		Cooperative society /SHG	limited company		others	all	estimated	sample
	male	female	same household	different households		private	public				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	6897	580	164	75	0	0	0	53	7769	7769	104
H2	29936	1633	469	327	300	31	0	97	32793	32793	462
H	36833	2213	633	402	300	31	0	150	40562	40562	566
I1	0	0	0	0	0	0	0	0	0	0	0
I2	42531	1360	172	76	0	0	0	71	44210	44210	555
I3	1704	90	24	4	0	0	0	30	1852	1852	31
I4	30714	5918	80	56	71	0	0	110	36949	36949	486
I	74949	7368	276	136	71	0	0	211	83011	83011	1072
J1	2790	720	368	876	19324	242	16	47	24383	24383	328
J2	2171	1188	32	221	88	30	0	47	3777	3777	56
J	4961	1908	400	1097	19412	272	16	94	28160	28160	384
K	34300	4479	860	414	211	60	0	247	40571	40571	575
M	7843	13175	287	524	502	115	106	1203	23755	23755	277
N	7869	2679	116	42	179	29	0	311	11225	11225	170
O	19651	4315	124	329	214	0	0	1410	26043	26043	343
all	186406	36137	2696	2944	20889	507	122	3626	253327	253327	3387



## Estimate No. of enterprises by type of ownership and by activity category

Combined

kerala

all enterprise  
type

activity category	no. of enterprises with ownership type									number of enterprises	
	proprietary		partnership with members of		Cooperative society /SHG	limited company		others	all	estimated	sample
	male	female	same household	different households		private	public				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	19508	1932	181	163	0	32	0	130	21946	21946	276
H2	131398	7371	1319	824	667	31	0	170	141780	141780	1900
H	150906	9303	1500	987	667	63	0	300	163726	163726	2176
I1	13	0	0	0	0	0	0	0	13	13	1
I2	145259	3204	739	460	68	0	0	131	149861	149861	1691
I3	3170	90	24	39	0	0	0	30	3353	3353	57
I4	90606	13615	253	803	156	55	0	200	105688	105688	1337
I	239048	16909	1016	1302	224	55	0	361	258915	258915	3086
J1	11431	5949	761	2678	126556	660	16	585	148636	148636	1755
J2	9043	3029	32	221	154	56	0	47	12582	12582	156
J	20474	8978	793	2899	126710	716	16	632	161218	161218	1911
K	90059	11809	1495	816	626	60	0	328	105193	105193	1535
M	24263	33242	397	2519	1010	216	106	4886	66639	66639	713
N	19799	8944	741	416	620	100	0	873	31493	31493	432
O	56844	8780	513	507	542	0	33	4341	71560	71560	1025
all	601393	97965	6455	9446	130399	1210	155	11721	858744	858744	10878

Estimated no. of enterprises by social group of owner / managing partner by activity category (only for proprietary and partnership enterprises)

activity category	no. of enterprises by social group of owner / managing partner						number of enterprises	
	scheduled tribe	scheduled caste	other backward classes	others	n. r.	all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
H1	126	599	8757	2157	0	11639	11639	119
H2	1180	3238	60168	16045	0	80631	80631	1016
H	1306	3837	68925	18202	0	92270	92270	1135
I1	0	0	0	0	0	0	0	0
I2	2354	7685	61816	22713	0	94568	94568	991
I3	0	0	453	94	0	547	547	9
I4	2637	977	40002	15845	0	59461	59461	691
I	4991	8662	102271	38652	0	152a4576	154576	1691
J1	935	1311	4513	5548	0	12307	12307	161
J2	278	254	2314	5163	0	8009	8009	87
J	1213	1565	6827	10711	0	20316	20316	248
K	856	674	31944	16071	0	49545	49545	701
M	234	6294	10837	7794	0	25159	25159	209
N	0	146	6082	5247	0	11475	11475	117
O	2549	4156	24284	4412	0	35401	35401	509
all	11149	25334	251170	101089	0	388742	388742	4610

Estimated no. of enterprises by social group of owner / managing partner by activity category (only for proprietary and partnership enterprises)

activity category	no. of enterprises by social group of owner / managing partner						number of enterprises	
	scheduled tribe	scheduled caste	other backward classes	others	n. r.	all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(10)	(11)	(12)
H1	0	0	1606	823	0	2429	2429	50
H2	0	139	22189	5588	0	27916	27916	415
H	0	139	23795	6411	0	30345	30345	465
I1	0	0	13	0	0	13	13	1
I2	172	188	7324	3271	0	10955	10955	143
I3	0	0	395	559	0	954	954	17
I4	0	262	5385	3401	0	9048	9048	155
I	172	450	13117	7231	0	20970	20970	316
J1	51	156	1484	2067	0	3758	3758	72
J2	0	0	607	97	0	704	704	10
J	51	156	2091	2164	0	4462	4462	82
K	129	92	7412	6948	0	14581	14581	253
M	214	203	7137	5879	0	13433	13433	170
N	0	381	4130	3208	0	7719	7719	132
O	22	430	4789	1583	0	6824	6824	129
all	588	1851	62471	33424	0	98334	98334	1547

Estimated no. of enterprises by social group of owner / managing partner by activity category (only for proprietary and partnership enterprises)

Urban

Kerala

OAE

activity category	no. of enterprises by social group of owner / managing partner						number of enterprises	
	scheduled tribe	scheduled caste	other backward classes	others	n. r.	all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(10)	(11)	(12)
H1	0	25	2897	721	0	3643	3643	42
H2	0	97	15392	3962	0	19451	19451	243
H	0	122	18289	4683	0	23094	23094	285
I1	0	0	0	0	0	0	0	0
I2	190	1071	29975	10152	0	41388	41388	510
I3	0	0	268	36	0	304	304	7
I4	93	263	22929	7977	0	31262	31262	403
I	283	1334	53172	18165	0	72954	72954	920
J1	79	88	907	859	0	1933	1933	26
J2	87	145	1036	1801	0	3069	3069	41
J	166	233	1943	2660	0	5002	5002	67
K	248	444	16580	8277	0	25549	25549	336
M	0	395	7838	6441	0	14674	14674	145
N	11	70	2400	3301	0	5782	5782	72
O	177	1586	12584	4309	0	18656	18656	226
all	885	4184	112806	47836	0	165711	165711	2051

Estimated no. of enterprises by social group of owner / managing partner by activity category (only for proprietary and partnership enterprises)

activity category	no. of enterprises by social group of owner / managing partner						number of enterprises	
	scheduled tribe	scheduled caste	other backward classes	others	n. r.	all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(10)	(11)	(12)
H1	0	72	2477	1524	0	4073	4073	60
H2	20	26	8678	4190	0	12914	12914	213
H	20	98	11155	5714	0	16987	16987	273
I1	0	0	0	0	0	0	0	0
I2	0	109	1608	1034	0	2751	2751	44
I3	76	0	698	744	0	1518	1518	23
I4	98	0	3301	2107	0	5506	5506	81
I	174	109	5607	3885	0	9775	9775	148
J1	0	0	774	2047	0	2821	2821	52
J2	0	0	363	180	0	543	543	10
J	0	0	1137	2227	0	3364	3364	62
K	66	79	7531	6828	0	14504	14504	231
M	67	75	3057	3956	0	7155	7155	96
N	0	27	1962	2935	0	4924	4924	90
O	20	0	4228	1515	0	5763	5763	90
all	347	388	34677	27060	0	62472	62472	990

Estimated no. of enterprises by social group of owner / managing partner by activity category (only for proprietary and partnership enterprises)

activity category	no. of enterprises by social group of owner / managing partner						number of enterprises	
	scheduled tribe	scheduled caste	other backward classes	others	n. r.	all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(10)	(11)	(12)
H1	126	696	15737	5225	0	21784	21784	271
H2	1200	3500	106427	29785	0	140912	140912	1887
H	1326	4196	122164	35010	0	162696	162696	2158
I1	0	0	13	0	0	13	13	1
I2	2716	9053	100723	37170	0	149662	149662	1688
I3	76	0	1814	1433	0	3323	3323	56
I4	2828	1502	71617	29330	0	105277	105277	1330
I	5620	10555	174167	67933	0	258275	258275	3075
J1	1065	1555	7678	10521	0	20819	20819	311
J2	365	399	4320	7241	0	12325	12325	148
J	1430	1954	11998	17762	0	33144	33144	459
K	1299	1289	63467	38124	0	104179	104179	1521
M	515	6967	28869	24070	0	60421	60421	620
N	11	624	14574	14691	0	29900	29900	411
O	2768	6172	45885	11819	0	66644	66644	954
all	12969	31757	461124	209409	0	715259	715259	9198

## Estimated No. of enterprises by type of location and by activity category

activity category	no. of enterprises were location of the enterprise is						number of enterprises		
	Within household premises	Outside household premises and					All	estimated	sample
		with fixed premises			without fixed premises				
		with permanent structure	with temporary structure / kiosk/ stall	without any structure	mobile market	street vendors			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	1266	9576	735	0	26	145	11748	11748	122
H2	16469	61599	2427	134	0	322	80951	80951	1021
H	17735	71175	3162	134	26	467	92699	92699	1143
I1	0	0	0	0	0	0	0	0	0
I2	6188	3384	171	13274	2650	68969	94636	94636	992
I3	63	484	0	0	0	0	547	547	9
I4	7729	48599	706	352	74	2086	59546	59546	693
I	13980	52467	877	13626	2724	71055	154729	154729	1694
J1	99368	8928	502	2030	121	2930	113879	113879	1255
J2	4190	624	0	0	0	3195	8009	8009	87
J	103558	9552	502	2030	121	6125	121888	121888	1342
K	16106	31866	284	833	76	619	49784	49784	704
M	20177	4688	210	0	0	84	25159	25159	209
N	4270	7281	23	0	0	0	11574	11574	119
O	6259	29895	197	0	0	1278	37629	37629	537
all	182085	206924	5255	16623	2947	79628	493462	493462	5748

## Estimated No. of enterprises by type of location and by activity category

activity category	no. of enterprises were location of the enterprise is						number of enterprises		
	Within household premises	Outside household premises and					All	estimated	sample
		with fixed premises			without fixed premises				
		with permanent structure	with temporary structure / kiosk/ stall	without any structure	mobile market	street vendors			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	356	2073	0	0	0	0	2429	2429	50
H2	4399	23339	233	40	0	25	28036	28036	417
H	4755	25412	233	40	0	25	30465	30465	467
I1	0	13	0	0	0	0	13	13	1
I2	764	907	0	2424	326	6594	11015	11015	144
I3	88	817	0	0	0	49	954	954	17
I4	429	8638	0	0	0	126	9193	9193	158
I	1281	10375	0	2424	326	6769	21175	21175	320
J1	1066	5511	348	0	0	3449	10374	10374	172
J2	137	659	0	0	0	0	796	796	13
J	1203	6170	348	0	0	3449	11170	11170	185
K	1408	13047	147	0	0	236	14838	14838	256
M	870	16512	343	0	0	0	17725	17725	227
N	287	8407	0	0	0	0	8694	8694	143
O	958	6754	0	31	0	145	7888	7888	145
all	10762	86677	1071	2495	326	10624	111955	111955	1743



## Estimated No. of enterprises by type of location and by activity category

Urban

kerala

OAE

activity category	no. of enterprises were location of the enterprise is						number of enterprises		
	Within household premises	Outside household premises and					All	estimated	sample
		with fixed premises			without fixed premises				
		with permanent structure	with temporary structure / kiosk/ stall	without any structure	mobile market	street vendors			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	162	2774	707	0	0	0	3643	3643	42
H2	4357	13487	1437	0	142	366	19789	19789	247
H	4519	16261	2144	0	142	366	23432	23432	289
I1	0	0	0	0	0	0	0	0	0
I2	4164	1314	31	7872	1408	26670	41459	41459	511
I3	248	56	0	0	0	0	304	304	7
I4	4840	25947	339	45	0	272	31443	31443	405
I	9252	27317	370	7917	1408	26942	73206	73206	923
J1	17764	1467	0	119	72	283	19705	19705	243
J2	1559	374	0	0	0	1158	3091	3091	43
J	19323	1841	0	119	72	1441	22796	22796	286
K	9036	15075	377	812	0	294	25594	25594	337
M	11982	2819	0	0	0	0	14801	14801	147
N	2002	3839	99	0	0	0	5940	5940	73
O	5089	12666	22	306	1319	139	19541	19541	240
all	61203	79818	3012	9154	2941	29182	185310	185310	2295

Estimated No. of enterprises by type of location and by activity category

Urban activity category	kerala						Establishment		
	no. of enterprises were location of the enterprise is						number of enterprises		
	Within household premises	Outside household premises and					All	estimated	sample
		with fixed premises			without fixed premises				
with permanent structure		with temporary structure / kiosk/ stall	without any structure	mobile market	street vendors				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	22	4104	0	0	0	0	4126	4126	62
H2	1675	11037	53	0	0	239	13004	13004	215
H	1697	15141	53	0	0	239	17130	17130	277
I1	0	0	0	0	0	0	0	0	0
I2	466	273	0	301	69	1642	2751	2751	44
I3	67	1481	0	0	0	0	1548	1548	24
I4	621	4885	0	0	0	0	5506	5506	81
I	1154	6639	0	301	69	1642	9805	9805	149
J1	214	4252	0	179	0	33	4678	4678	85
J2	145	541	0	0	0	0	686	686	13
J	359	4793	0	179	0	33	5364	5364	98
K	2747	12159	0	0	71	0	14977	14977	238
M	789	8107	58	0	0	0	8954	8954	130
N	637	4648	0	0	0	0	5285	5285	97
O	693	5809	0	0	0	0	6502	6502	103
all	8076	57296	111	480	140	1914	68017	68017	1092

## Estimated No. of enterprises by type of location and by activity category

activity category	no. of enterprises were location of the enterprise is						number of enterprises		
	Within household premises	Outside household premises and					All	estimated	sample
		with fixed premises			without fixed premises				
		with permanent structure	with temporary structure / kiosk/ stall	without any structure	mobile market	street vendors			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
H1	1806	18527	1442	0	26	145	21946	21946	276
H2	26900	109462	4150	174	142	952	141780	141780	1900
H	28706	127989	5592	174	168	1097	163726	163726	2176
I1	0	13	0	0	0	0	13	13	1
I2	11582	5878	202	23871	4453	103875	149861	149861	1691
I3	466	2838	0	0	0	49	3353	3353	57
I4	13619	88069	1045	397	74	2484	105688	105688	1337
I	25667	96798	1247	24268	4527	106408	258915	258915	3086
J1	118412	20158	850	2328	193	6695	148636	148636	1755
J2	6031	2198	0	0	0	4353	12582	12582	156
J	124443	22356	850	2328	193	11048	161218	161218	1911
K	29297	72147	808	1645	147	1149	105193	105193	1535
M	33818	32126	611	0	0	84	66639	66639	713
N	7196	24175	122	0	0	0	31493	31493	432
O	12999	55124	219	337	1319	1562	71560	71560	1025
all	262126	430715	9449	28752	6354	121348	858744	858744	10878

## Percentages of enterprises registered under different acts having PAN/ TAN by activity category

Rural

activity category	estimated no. of enterprises (all ownership type combinations)	among all enterprises (including proprietary),% registered under any act (0.0)	total no. of enterprises other than proprietary enterprises	among all enterprises other than proprietary enterprises % registered under any act (0.0)	among the non-proprietary enterprises registered under any act,% (0.0) having		no. of sample enterprises
					PAN	TAN	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	14177	51.2	214	100.0	41.1	41.1	172
H2	108987	56.8	1787	87.7	1.9	1.9	1438
H	123164	56.1	2001	89.0	6.6	6.6	1610
I1	13	100.0	0	0.0	0.0	0.0	1
I2	105651	96.5	1079	100.0	5.3	5.3	1136
I3	1501	69.2	35	100.0	0.0	0.0	26
I4	68739	68.1	1150	100.0	0.0	0.0	851
I	175904	85.2	2264	100.0	2.5	2.5	2014
J1	124253	98.0	110383	99.8	1.6	1.4	1427
J2	8805	61.6	92	100.0	0.0	0.0	100
J	133058	95.5	110475	99.8	1.6	1.4	1527
K	64622	58.9	1533	83.8	20.9	20.9	960
M	42884	36.5	6397	93.8	1.0	1.0	436
N	20268	90.3	2073	100.0	14.2	5.7	262
O	45517	54.0	3859	100.0	5.0	4.4	682
All	605417	73.1	128602	99.1	2.2	1.8	7491

## Percentages of enterprises registered under different acts having PAN/ TAN by activity category

Urban

activity category	estimated no. of enterprises (all ownership type combinations)	among all enterprises (including proprietary),% registered under any act (0.0)	total no. of enterprises other than proprietary enterprises	among all enterprises other than proprietary enterprises % registered under any act (0.0)	among the non-proprietary enterprises registered under any act,% (0.0) having		no. of sample enterprises
					PAN	TAN	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	7769	71.0	292	100.0	0.0	0.0	104
H2	32793	69.7	1224	100.0	14.6	14.6	462
H	40562	70.0	1516	100.0	11.8	11.8	566
I1	0	0.0	0	0.0	0.0	0.0	0
I2	44210	90.1	319	100.0	22.3	22.3	555
I3	1852	82.4	58	100.0	0.0	0.0	31
I4	36949	71.0	317	77.6	0.0	0.0	486
I	83011	81.4	694	89.8	11.4	11.4	1072
J1	24383	99.1	20873	100.0	7.6	5.3	328
J2	3777	77.3	418	100.0	38.5	0.0	56
J	28160	96.2	21291	100.0	8.2	5.2	384
K	40571	64.7	1792	96.7	4.5	0.0	575
M	23755	38.0	2737	96.7	6.8	9.9	277
N	11225	91.9	677	100.0	12.1	12.1	170
O	26043	59.2	2077	97.0	9.8	9.8	343
All	253327	72.7	30784	99.1	8.3	6.2	3387

## Percentages of enterprises registered under different acts having PAN/ TAN by activity category

Combined

activity category	estimated no. of enterprises (all ownership type combinations)	among all enterprises (including proprietary),% registered under any act (0.0)	total no. of enterprises other than proprietary enterprises	among all enterprises other than proprietary enterprises % registered under any act (0.0)	among the non-proprietary enterprises registered under any act,% (0.0) having		no. of sample enterprises
					PAN	TAN	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	21946	58.2	506	100.0	17.4	17.4	276
H2	141780	59.8	3011	92.7	7.5	7.5	1900
H	163726	59.6	3517	93.7	9.0	9.0	2176
I1	13	100.0	0	0.0	0.0	0.0	1
I2	149861	94.6	1398	100.0	9.2	9.2	1691
I3	3353	76.5	93	100.0	0.0	0.0	57
I4	105688	69.1	1467	95.2	0.0	0.0	1337
I	258915	83.9	2958	97.6	4.4	4.4	3086
J1	148636	98.1	131256	99.8	2.6	2.0	1755
J2	12582	66.3	510	100.0	31.6	0.0	156
J	161218	95.7	131766	99.8	2.7	2.0	1911
K	105193	61.1	3325	90.7	11.5	8.9	1535
M	66639	37.1	9134	94.7	2.8	3.8	713
N	31493	90.9	2750	100.0	13.7	7.3	432
O	71560	55.9	5936	99.0	6.7	6.2	1025
All	858744	73.0	159386	99.1	3.4	2.7	10878

Number per 1000 of enterprises registered under different acts / authorities and by activity category

Rural

OAE

activity category	no. per thousand of enterprises										no. per thousand of enterprises by other Acts / agency of registration (except Companies Act)									number of enterprises	
	not registered under any Act/authority	registered under Companies Act	by other Acts / agency of registration (except Companies Act)								NASSCOM	Directorate of education / AICTE /NCTE	Medical Practitioners Act	Cooperative Societies Act	Societies Act	Indian ChariTable (OC) Act	Cinematograph Act	Factories Act, 1948	others	estimated	sample
			Municipal corporation / local panchayat / local body	Shops and establishments act	Sales tax act	Motor vehicles act	Indian vessels act / merchant shipping act	RBI/ NABARD/ IRDA/SEBI	Bar council	Chartered accountants act											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
H1	564	12	426	137	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	11748	122
H2	484	17	428	115	0	1	0	0	0	1	0	0	0	2	1	0	0	0	6	80951	1021
H	495	16	428	117	0	1	0	0	0	1	0	0	0	1	1	0	0	0	5	92699	1143
I1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	35	32	94	27	0	893	0	0	0	0	0	0	0	0	5	0	0	0	11	94636	992
I3	481	0	413	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	547	9
I4	342	16	456	107	0	4	0	0	0	0	0	0	20	0	1	0	0	0	231	59546	693
I	155	26	234	58	0	548	0	0	0	0	0	0	8	0	3	0	0	0	96	154729	1694
J1	20	16	923	19	4	5	0	0	0	1	0	0	1	15	123	1	0	0	43	113879	1255
J2	417	15	63	9	0	0	0	28	0	0	0	5	0	0	0	0	0	0	493	8009	87
J	46	16	866	19	4	4	0	2	0	1	0	0	1	14	115	1	0	0	73	121888	1342
K	467	14	471	62	4	5	0	0	5	0	0	3	0	0	0	0	0	0	29	49784	704
M	885	3	111	0	0	12	0	0	0	0	0	0	1	0	0	16	0	0	0	25159	209
N	141	7	577	84	0	0	0	0	0	0	0	0	343	0	0	7	0	0	29	11574	119
O	494	9	432	98	0	0	0	0	1	0	0	0	0	3	0	8	0	0	25	37629	537
all	286	18	467	61	1	174	0	1	1	0	0	0	11	4	30	2	0	0	54	493462	5748

Number per 1000 of enterprises registered under different acts / authorities and by activity category

Rural	Establishment																			Establishment	
	no. per thousand of enterprises										no. per thousand of enterprises by other Acts / agency of registration (except Companies Act)								number of enterprises		
	not registered under any Act/authority	registered under Companies Act	by other Acts / agency of registration (except Companies Act)								NASSCOM	Directorate of education / AICTE /NCTE	Medical Practitioners Act	Cooperative Societies Act	Societies Act	Indian Charitable (OC) Act	Cinematograph Act	Factories Act, 1948	others	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
H1	120	24	818	325	21	9	0	0	0	0	0	0	0	0	0	0	0	0	50	2429	50
H2	281	13	613	176	11	0	0	0	7	0	0	0	0	0	0	0	0	0	12	28036	417
H	268	14	629	187	12	1	0	0	6	0	0	0	0	0	0	0	0	0	15	30465	467
I1	0	0	1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1
I2	32	34	73	29	0	902	6	0	0	0	0	0	0	0	0	0	0	0	12	11015	144
I3	210	51	714	0	112	51	0	0	0	0	0	0	0	0	0	0	0	0	123	954	17
I4	172	23	570	133	5	14	0	0	0	0	0	0	0	0	0	0	0	0	273	9193	158
I	101	30	318	73	7	478	3	0	0	0	0	0	0	0	0	0	0	0	131	21175	320
J1	27	82	714	107	24	0	0	18	0	7	0	6	3	128	32	19	0	0	210	10374	172
J2	55	0	415	88	0	0	0	0	0	0	0	0	0	0	83	0	0	0	359	796	13
J	29	76	692	106	23	0	0	16	0	6	0	5	2	119	36	18	0	0	221	11170	185
K	223	7	678	137	10	16	0	0	8	7	0	0	0	0	0	0	0	0	29	14838	256
M	279	6	504	97	0	18	0	0	0	5	0	122	4	1	8	69	0	0	83	17725	227
N	38	29	604	181	3	0	0	0	0	0	0	0	455	3	0	35	0	0	14	8694	143
O	298	9	540	66	0	8	0	0	0	0	0	4	17	11	22	0	24	0	151	7888	145
all	193	22	555	128	8	96	1	2	3	2	0	20	37	13	6	15	2	0	79	111955	1743



Number per 1000 of enterprises registered under different acts / authorities and by activity category

activity category	Urban											OAE								OAE	
	no. per thousand of enterprises											no. per thousand of enterprises by other Acts / agency of registration (except Companies Act)								number of enterprises	
	not registered under any Act/authority	registered under Companies Act	by other Acts / agency of registration (except Companies Act)									NASSCOM	Directorate of education / AICTE /NCTE	Medical Practitioners Act	Cooperative Societies Act	Societies Act	Indian Charitable (OC) Act	Cinematograph Act	Factories Act, 1948	others	estimated
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
H1	575	0	340	65	0	56	0	0	0	10	0	0	0	0	0	0	0	0	0	3643	42
H2	417	39	518	131	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19789	247
H	442	33	490	120	3	9	0	0	0	2	0	0	0	0	0	0	0	0	3	23432	289
I1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	102	8	103	2	0	866	2	0	0	0	0	0	2	0	0	0	0	0	4	41459	511
I3	602	0	398	332	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	304	7
I4	315	20	526	227	0	1	0	0	0	0	0	0	3	0	0	0	0	0	154	31443	405
I	196	13	286	100	0	491	1	0	0	0	0	0	3	0	0	0	0	0	69	73206	923
J1	9	25	941	24	0	1	0	5	0	0	0	0	0	4	7	0	0	0	61	19705	243
J2	277	7	32	10	58	4	0	31	0	0	0	0	0	0	0	0	0	0	616	3091	43
J	45	23	818	22	8	1	0	8	0	0	0	0	0	4	6	0	0	0	136	22796	286
K	442	8	501	84	5	0	0	0	24	0	0	0	0	0	0	2	0	0	39	25594	337
M	829	7	153	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	14801	147
N	139	17	368	39	0	0	0	0	0	0	0	0	534	0	0	0	0	0	26	5940	73
O	469	23	434	116	0	3	0	0	19	0	0	0	0	0	6	0	0	0	15	19541	240
all	320	17	415	82	2	197	0	1	5	0	0	0	18	0	1	0	0	0	52	185310	2295

Number per 1000 of enterprises registered under different acts / authorities and by activity category

Urban	Establishment											Establishment									
	no. per thousand of enterprises											no. per thousand of enterprises by other Acts / agency of registration (except Companies Act)								number of enterprises	
	not registered under any Act/authority	registered under Companies Act	municipal corporation / panchayat / local body	Shops and establishments act	Sales tax act	Motor vehicles act	Indian vessels act / merchant shipping act	RBI/ NABARD/ IRDA/SEBI	Bar council	Chartered accountants act	NASSCOM	Directorate of education / AICTE /NCTE	Medical Practitioners Act	Cooperative Societies Act	Societies Act	Indian Charitable (OC) Act	Cinematograph Act	Factories Act, 1948	others	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
H1	38	0	835	392	74	0	0	0	0	8	0	0	0	0	0	3	0	0	41	4126	62
H2	129	38	821	277	53	4	0	0	0	0	0	0	0	0	0	0	0	0	11	13004	215
H	107	29	824	305	58	3	0	0	0	2	0	0	0	0	0	1	0	0	18	17130	277
I1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	53	0	106	12	0	828	0	0	0	0	0	0	0	0	0	0	0	0	23	2751	44
I3	92	0	684	149	0	142	0	0	0	0	0	0	0	0	0	0	0	0	110	1548	24
I4	147	20	679	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	5506	81
I	112	11	519	101	0	255	0	0	0	0	0	0	0	0	0	0	0	0	248	9805	149
J1	7	184	615	77	27	0	0	114	7	0	0	0	18	242	14	10	0	0	161	4678	85
J2	0	12	480	0	0	0	0	0	0	0	0	0	0	128	133	0	0	0	535	686	13
J	6	162	598	67	23	0	0	99	6	0	0	0	15	227	29	9	0	0	209	5364	98
K	202	29	594	140	24	10	0	8	98	7	0	0	0	0	6	2	0	0	76	14977	238
M	273	12	561	57	0	25	0	0	0	0	0	133	0	0	7	17	0	0	141	8954	130
N	17	21	691	107	0	0	0	0	5	0	0	0	701	0	0	12	0	0	56	5285	97
O	222	31	701	145	0	0	0	0	0	0	0	0	0	10	0	10	37	0	70	6502	103
all	147	34	655	157	22	43	0	10	22	2	0	17	56	19	5	6	4	0	103	68017	1092

Number per 1000 of enterprises registered under different acts / authorities and by activity category

Combined

all enterprise type

activity category	no. per thousand of enterprises											no. per thousand of enterprises by other Acts / agency of registration (except Companies Act)								number of enterprises		
	not registered under any Act/authority	registered under Companies Act	by other Acts / agency of registration (except Companies Act)									NASSCOM	Directorate of education / AICTE /NCTE	Medical Practitioners Act	Cooperative Societies Act	Societies Act	Indian Charitable (OC) Act	Cinematograph Act	Factories Act, 1948	others	estimated	sample
			municipal corporation / panchayat / local body	Shops and establishments act	Sales tax act	Motor vehicles act	Indian vessels act / merchant shipping act	RBI/ NABARD/ IRDA/SEBI	Bar council	Chartered accountants act												
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	
H1	418	9	532	193	16	10	0	0	0	3	0	0	0	0	0	2	0	0	13	21946	276	
H2	402	21	513	144	7	1	0	0	1	1	0	0	0	1	0	0	0	0	7	141780	1900	
H	404	20	516	150	9	2	0	0	1	1	0	0	0	1	0	0	0	0	8	163726	2176	
I1	0	0	1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1	
I2	54	25	95	20	0	885	1	0	0	0	0	0	1	0	3	0	0	0	9	149861	1691	
I3	235	15	622	109	32	80	0	0	0	0	0	0	0	0	0	0	0	0	93	3353	57	
I4	309	18	498	146	0	4	0	0	0	0	0	0	12	0	0	0	0	0	221	105688	1337	
I	161	22	267	73	1	515	1	0	0	0	0	0	5	0	2	0	0	0	97	258915	3086	
J1	19	27	901	28	6	4	0	6	0	1	0	0	2	29	98	2	0	0	61	148636	1755	
J2	337	12	100	14	14	1	0	26	0	0	0	3	0	7	12	0	0	0	517	12582	156	
J	43	26	839	27	6	3	0	7	0	1	0	1	2	27	91	2	0	0	97	161218	1911	
K	389	14	525	89	8	6	0	1	23	2	0	1	0	0	1	1	0	0	38	105193	1535	
M	629	6	285	33	0	17	0	0	0	1	0	50	2	0	3	27	0	0	41	66639	713	
N	91	17	564	106	1	0	0	0	1	0	0	0	470	1	0	14	0	0	29	31493	432	
O	441	15	469	104	0	2	0	0	6	0	0	0	2	4	4	5	6	0	40	71560	1025	
all	270	19	482	82	4	158	0	1	4	1	0	4	19	6	18	4	0	0	61	858744	10878	

## Number per 1000 of enterprises by nature of problems faced and by activity category

Rural	no. per 1000 of enterprises by problems faced											Establishment	
	no specific problem	nature of problem faced										number of enterprises	
		non-availability of electricity connection	power cut	shortage of capital	marketing of products /services	local problems /harassment	competition from larger units	non availability of labour/ labour problems	fuel not available or available at exorbitant prices	non recovery of service charges / fees / credit	others	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	204	65	114	234	11	80	280	86	11	0	411	2429	50
H2	292	7	65	260	41	43	287	74	58	76	371	28036	417
H	285	12	69	258	39	46	286	75	54	70	374	30465	467
I1	0	0	0	0	0	0	0	0	0	1000	1000	13	1
I2	96	90	64	88	71	84	357	27	374	121	375	11015	144
I3	422	0	172	0	79	0	208	0	0	0	290	954	17
I4	239	32	166	160	76	127	390	0	14	19	335	9193	158
I	173	60	113	115	74	99	364	14	201	72	354	21175	320
J1	365	21	65	113	46	102	212	0	0	184	333	10374	172
J2	323	0	0	0	0	0	1036	0	0	0	288	796	13
J	362	20	60	105	43	95	271	0	0	171	330	11170	185
K	252	55	33	233	49	82	429	25	5	24	363	14838	256
M	242	36	76	167	24	84	459	8	4	121	334	17725	227
N	284	33	170	202	31	89	212	47	0	20	453	8694	143
O	219	71	204	112	110	71	220	56	10	28	425	7888	145
All	256	37	90	183	49	77	335	35	55	76	368	111955	1743

## Number per 1000 of enterprises by nature of problems faced and by activity category

Rural	no. per 1000 of enterprises by problems faced											Establishment	
	no specific problem	nature of problem faced										number of enterprises	
		non-availability of electricity connection	power cut	shortage of capital	marketing of products /services	local problems /harassment	competition from larger units	non availability of labour/ labour problems	fuel not available or available at exorbitant prices	non recovery of service charges / fees / credit	others	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	204	65	114	234	11	80	280	86	11	0	411	2429	50
H2	292	7	65	260	41	43	287	74	58	76	371	28036	417
H	285	12	69	258	39	46	286	75	54	70	374	30465	467
I1	0	0	0	0	0	0	0	0	0	1000	1000	13	1
I2	96	90	64	88	71	84	357	27	374	121	375	11015	144
I3	422	0	172	0	79	0	208	0	0	0	290	954	17
I4	239	32	166	160	76	127	390	0	14	19	335	9193	158
I	173	60	113	115	74	99	364	14	201	72	354	21175	320
J1	365	21	65	113	46	102	212	0	0	184	333	10374	172
J2	323	0	0	0	0	0	1036	0	0	0	288	796	13
J	362	20	60	105	43	95	271	0	0	171	330	11170	185
K	252	55	33	233	49	82	429	25	5	24	363	14838	256
M	242	36	76	167	24	84	459	8	4	121	334	17725	227
N	284	33	170	202	31	89	212	47	0	20	453	8694	143
O	219	71	204	112	110	71	220	56	10	28	425	7888	145
All	256	37	90	183	49	77	335	35	55	76	368	111955	1743

Number per 1000 of enterprises by nature of problems faced and by activity category

Urban													Establishment	
activity category	no. per 1000 of enterprises by problems faced											number of enterprises		
	no specific problem	nature of problem faced										estimated	sample	
		non-availability of electricity connection	power cut	shortage of capital	marketing of products /services	local problems /harassment	competition from larger units	non availability of labour/ labour problems	fuel not available or available at exorbitant prices	non recovery of service charges / fees / credit	others			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
H1	508	0	84	97	8	60	335	6	17	51	93	4126	62	
H2	396	41	19	204	30	70	216	48	45	28	334	13004	215	
H	423	31	34	178	25	68	245	38	38	33	276	17130	277	
I1	0	0	0	0	0	0	0	0	0	0	0	0	0	
I2	275	0	0	224	165	53	334	0	173	0	271	2751	44	
I3	253	0	0	113	98	18	506	0	0	0	218	1548	24	
I4	393	27	64	67	66	54	193	0	0	9	351	5506	81	
I	338	15	36	118	99	48	282	0	48	5	308	9805	149	
J1	360	108	0	49	32	23	457	0	0	26	342	4678	85	
J2	523	0	0	0	41	0	510	0	0	0	197	686	13	
J	381	94	0	43	34	20	464	0	0	23	323	5364	98	
K	254	20	99	136	20	71	427	11	1	24	399	14977	238	
M	214	25	23	160	0	69	495	0	9	137	305	8954	130	
N	420	48	36	186	30	74	180	0	0	0	344	5285	97	
O	452	44	47	138	4	72	221	11	4	0	365	6502	103	
All	345	33	46	144	30	63	333	13	18	34	329	68017	1092	

Number per 1000 of enterprises by nature of problems faced and by activity category

activity category	no. per 1000 of enterprises by problems faced											all enterprise type	
	no specific problem	nature of problem faced										number of enterprises	
		non-availability of electricity connection	power cut	shortage of capital	marketing of products /services	local problems /harassment	competition from larger units	non availability of labour/ labour problems	fuel not available or available at exorbitant prices	non recovery of service charges / fees / credit	others	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	230	71	156	260	85	145	362	13	4	12	196	21946	276
H2	234	48	32	336	63	50	252	44	71	73	385	141780	1900
H	234	51	49	326	66	63	267	40	62	64	360	163726	2176
I1	0	0	0	0	0	0	0	0	0	1000	1000	13	1
I2	145	64	30	234	60	94	297	27	256	38	353	149861	1691
I3	333	0	49	57	108	35	392	0	0	0	233	3353	57
I4	239	44	136	114	85	118	315	4	2	14	417	105688	1337
I	185	55	73	182	71	103	306	17	149	28	378	258915	3086
J1	370	66	180	353	31	53	112	21	7	38	220	148636	1755
J2	238	57	116	43	56	75	642	0	8	13	239	12582	156
J	360	65	175	329	33	55	154	20	7	36	222	161218	1911
K	337	84	43	186	53	70	311	7	4	31	308	105193	1535
M	262	171	71	165	19	46	367	6	3	85	257	66639	713
N	389	26	94	133	35	69	216	13	3	7	412	31493	432
O	390	53	89	180	49	70	238	25	5	6	311	71560	1025
All	276	68	86	234	54	74	266	20	59	39	323	858744	10878

## Number per 1000 of enterprises working on contract by enterprise type and by activity category

Rural

activity category	no. per 1000 of enterprises undertaking any work on contract basis (enterprise type during reference year)			number of enterprises by enterprises type during reference year			
	OAE	Establishments	All	estimated		sample	
				OAE	Establishments	OAE	Establishments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	0	10	2	11748	2429	122	50
H2	8	35	15	80951	28036	1021	417
H	7	33	13	92699	30465	1143	467
I1	0	0	0	0	13	0	1
I2	25	108	33	94636	11015	992	144
I3	236	34	107	547	954	9	17
I4	13	5	12	59546	9193	693	158
I	21	60	26	154729	21175	1694	320
J1	15	4	14	113879	10374	1255	172
J2	48	0	44	8009	796	87	13
J	17	4	16	121888	11170	1342	185
K	47	95	58	49784	14838	704	256
M	3	11	6	25159	17725	209	227
N	5	3	4	11574	8694	119	143
O	18	18	18	37629	7888	537	145
All	18	37	22	493462	111955	5748	1743



Number per 1000 of enterprises working on contract by enterprise type and by activity category

Rural

activity category	no. per 1000 of enterprises undertaking any work on contract basis (enterprise type during reference year)			number of enterprises by enterprises type during reference year			
	OAE	Establishments	All	estimated		sample	
				OAE	Establishments	OAE	Establishments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	0	10	2	11748	2429	122	50
H2	8	35	15	80951	28036	1021	417
H	7	33	13	92699	30465	1143	467
I1	0	0	0	0	13	0	1
I2	25	108	33	94636	11015	992	144
I3	236	34	107	547	954	9	17
I4	13	5	12	59546	9193	693	158
I	21	60	26	154729	21175	1694	320
J1	15	4	14	113879	10374	1255	172
J2	48	0	44	8009	796	87	13
J	17	4	16	121888	11170	1342	185
K	47	95	58	49784	14838	704	256
M	3	11	6	25159	17725	209	227
N	5	3	4	11574	8694	119	143
O	18	18	18	37629	7888	537	145
All	18	37	22	493462	111955	5748	1743

Number per 1000 of enterprises working on contract by enterprise type and by activity category

Urban

activity category	no. per 1000 of enterprises undertaking any work on contract basis (enterprise type during reference year)			number of enterprises by enterprises type during reference year			
	OAE	Establishments	All	estimated		sample	
				OAE	Establishments	OAE	Establishments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	0	19	10	3643	4126	42	62
H2	21	19	20	19789	13004	247	215
H	18	19	18	23432	17130	289	277
I1	0	0	0	0	0	0	0
I2	25	5	24	41459	2751	511	44
I3	0	236	197	304	1548	7	24
I4	22	5	19	31443	5506	405	81
I	24	41	26	73206	9805	923	149
J1	17	5	15	19705	4678	243	85
J2	10	0	8	3091	686	43	13
J	16	4	14	22796	5364	286	98
K	49	131	80	25594	14977	337	238
M	5	6	5	14801	8954	147	130
N	77	17	49	5940	5285	73	97
O	30	34	31	19541	6502	240	103
All	26	45	31	185310	68017	2295	1092

## Number per 1000 of enterprises working on contract by enterprise type and by activity category

Combined

activity category	no. per 1000 of enterprises undertaking any work on contract basis (enterprise type during reference year)			number of enterprises by enterprises type during reference year			
	OAE	Establishments	All	estimated		sample	
				OAE	Establishments	OAE	Establishments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	0	16	5	15391	6555	164	112
H2	11	30	16	100740	41040	1268	632
H	9	28	15	116131	47595	1432	744
I1	0	0	0	0	13	0	1
I2	25	87	31	136095	13766	1503	188
I3	152	159	157	851	2502	16	41
I4	16	5	15	90989	14699	1098	239
I	22	54	26	227935	30980	2617	469
J1	15	4	14	133584	15052	1498	257
J2	38	0	33	11100	1482	130	26
J	17	4	16	144684	16534	1628	283
K	48	113	66	75378	29815	1041	494
M	4	9	6	39960	26679	356	357
N	29	8	20	17514	13979	192	240
O	22	25	22	57170	14390	777	248
All	21	40	25	678772	179972	8043	2835

Per 1000 distribution of enterprises by other economic activities and major source of annual income of owner of the enterprise for each activity category (for proprietary and partnership enterprises only)

Rural

activity Category (major activity)	no. per 1000 enterprises with owner pursuing		per 1000 distribution of enterprises having multiple activities with major income of the working owner									no. of proprietary and partnership enterprises	
			coming from surveyed enterprises	not coming from surveyed enterprises and percentage of annual income from the surveyed enterprises is						all			
	single activity	multiple activity		<=10	11-20	21-30	31-40	41-50	n.r		all	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	869	131	373	137	0	316	0	174	0	627	1000	14068	169
H2	950	50	403	124	83	125	81	184	0	597	1000	108547	1431
H	941	59	395	128	62	174	60	181	0	605	1000	122615	1600
I1	1000	0	0	0	0	0	0	0	0	0	0	13	1
I2	942	58	344	40	113	25	143	335	0	656	1000	105523	1134
I3	873	127	859	0	0	0	0	141	0	141	1000	1501	26
I4	613	387	79	593	135	83	8	102	0	921	1000	68509	846
I	813	187	133	486	130	72	33	146	0	867	1000	175546	2007
J1	816	184	562	255	0	21	137	25	0	438	1000	16065	233
J2	951	49	718	282	0	0	0	0	0	282	1000	8713	97
J	863	137	582	258	0	19	119	22	0	418	1000	24778	330
K	810	190	213	391	106	105	73	112	0	787	1000	64126	954
M	931	69	408	241	178	83	53	37	0	592	1000	38592	379
N	932	68	483	85	130	236	44	22	0	517	1000	19194	249
O	921	79	769	37	50	42	24	78	0	231	1000	42225	638
All	871	129	254	372	109	90	49	126	0	746	1000	487076	6157

Per 1000 distribution of enterprises by other economic activities and major source of annual income of owner of the enterprise for each activity category (for proprietary and partnership enterprises only)

Urban

activity Category (major activity)	no. per 1000 enterprises with owner pursuing		per 1000 distribution of enterprises having multiple activities with major income of the working owner								no. of proprietary and partnership enterprises		
	single activity	multiple activity	coming from surveyed enterprises	not coming from surveyed enterprises and percentage of annual income from the surveyed enterprises is						all	estimated	sample	
				<=10	11-20	21-30	31-40	41-50	n.r				all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	838	162	202	198	84	277	82	157	0	798	1000	7716	102
H2	929	71	574	251	0	37	23	115	0	426	1000	32365	456
H	911	89	442	232	30	122	44	130	0	558	1000	40081	558
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	975	25	588	118	0	64	176	54	0	412	1000	44139	554
I3	833	167	0	0	0	586	0	414	0	1000	1000	1822	30
I4	580	420	59	608	87	91	13	142	0	941	1000	36768	484
I	796	204	93	565	79	98	24	141	0	907	1000	82729	1068
J1	836	164	846	42	112	0	0	0	0	154	1000	4754	78
J2	940	60	1000	0	0	0	0	0	0	0	1000	3612	51
J	881	119	880	33	87	0	0	0	0	120	1000	8366	129
K	804	196	190	314	136	141	43	176	0	810	1000	40053	567
M	939	61	250	237	190	155	0	168	0	750	1000	21829	241
N	817	183	397	153	374	31	0	45	0	603	1000	10706	162
O	950	50	179	351	148	112	187	23	0	821	1000	24419	316
All	852	148	204	411	111	106	33	135	0	796	1000	228183	3041

Per 1000 distribution of enterprises by other economic activities and major source of annual income of owner of the enterprise for each activity category (for proprietary and partnership enterprises only)

Combined

activity Category (major activity)	no. per 1000 enterprises with owner pursuing		per 1000 distribution of enterprises having multiple activities with major income of the working owner									no. of proprietary and partnership enterprises	
			coming from surveyed enterprises	not coming from surveyed enterprises and percentage of annual income from the surveyed enterprises is									
	single activity	multiple activity		<=10	11-20	21-30	31-40	41-50	n.r	all	estimated	sample	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	858	142	303	162	34	301	33	167	0	697	1000	21784	271
H2	945	55	454	162	58	99	64	163	0	546	1000	140912	1887
H	934	66	411	162	51	157	55	164	0	589	1000	162696	2158
I1	1000	0	0	0	0	0	0	0	0	0	0	13	1
I2	952	48	382	52	95	31	149	291	0	618	1000	149662	1688
I3	851	149	331	0	0	360	0	309	0	669	1000	3323	56
I4	601	399	72	598	117	86	10	117	0	928	1000	105277	1330
I	808	192	119	513	113	81	30	144	0	881	1000	258275	3075
J1	820	180	622	210	23	17	108	20	0	378	1000	20819	311
J2	948	52	812	188	0	0	0	0	0	188	1000	12325	148
J	868	132	650	207	20	14	92	17	0	350	1000	33144	459
K	808	192	204	361	118	119	61	137	0	796	1000	104179	1521
M	934	66	356	240	182	107	35	80	0	644	1000	60421	620
N	891	109	432	125	276	113	18	36	0	568	1000	29900	411
O	932	68	610	122	76	61	68	63	0	390	1000	66644	954
All	865	135	236	386	110	95	44	129	0	764	1000	715259	9198

Per 1000 distribution of enterprises by number of working hours of the enterprise in a normal day during the reference year and reference month for each activity category

Rural

OAE

activity category	per 1000 of enterprises by number of working hours in a normal day during										number of enterprises	
	reference year					reference month					estimated	sample
	<4	4-7	8+	n.r.	all	<4	4-7	8+	n.r.	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
H1	10	182	808	0	1000	10	182	808	0	1000	11748	122
H2	6	184	810	0	1000	11	184	805	0	1000	80951	1021
H	7	184	809	0	1000	11	184	805	0	1000	92699	1143
I1	0	0	0	0	0	0	0	0	0	0	0	0
I2	4	49	947	0	1000	7	49	944	0	1000	94636	992
I3	0	49	951	0	1000	0	49	951	0	1000	547	9
I4	1	87	912	0	1000	9	84	907	0	1000	59546	693
I	3	64	933	0	1000	8	62	930	0	1000	154729	1694
J1	743	134	123	0	1000	745	136	119	0	1000	113879	1255
J2	29	582	389	0	1000	38	573	389	0	1000	8009	87
J	696	164	140	0	1000	698	165	137	0	1000	121888	1342
K	366	206	428	0	1000	388	195	417	0	1000	49784	704
M	445	440	115	0	1000	442	444	114	0	1000	25159	209
N	93	289	618	0	1000	93	289	618	0	1000	11574	119
O	21	154	825	0	1000	24	153	823	0	1000	37629	537
All	238	157	605	0	1000	243	156	601	0	1000	493462	5748

Per 1000 distribution of enterprises by number of working hours of the enterprise in a normal day during the reference year and reference month for each activity category

Rural

Establishment

activity category	per 1000 of enterprises by number of working hours in a normal day during										number of enterprises	
	reference year					reference month					estimated	sample
	<4	4-7	8+	n.r.	all	<4	4-7	8+	n.r.	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
H1	24	96	880	0	1000	24	96	880	0	1000	2429	50
H2	0	41	959	0	1000	7	39	954	0	1000	28036	417
H	2	45	953	0	1000	8	44	948	0	1000	30465	467
I1	0	0	1000	0	1000	0	0	1000	0	1000	13	1
I2	10	79	911	0	1000	44	96	860	0	1000	11015	144
I3	0	27	973	0	1000	0	27	973	0	1000	954	17
I4	0	62	938	0	1000	0	58	942	0	1000	9193	158
I	5	69	926	0	1000	23	76	901	0	1000	21175	320
J1	246	282	472	0	1000	246	282	472	0	1000	10374	172
J2	0	447	553	0	1000	0	447	553	0	1000	796	13
J	229	293	478	0	1000	229	293	478	0	1000	11170	185
K	14	191	795	0	1000	21	185	794	0	1000	14838	256
M	28	497	475	0	1000	35	499	466	0	1000	17725	227
N	64	222	714	0	1000	64	242	694	0	1000	8694	143
O	75	197	728	0	1000	77	197	726	0	1000	7888	145
All	41	190	769	0	1000	48	192	760	0	1000	111955	1743



Per 1000 distribution of enterprises by number of working hours of the enterprise in a normal day during the reference year and reference month for each activity category

Urban

OAE

activity category	per 1000 of enterprises by number of working hours in a normal day during										number of enterprises	
	reference year					reference month					estimated	sample
	<4	4-7	8+	n.r.	all	<4	4-7	8+	n.r.	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
H1	0	220	780	0	1000	0	220	780	0	1000	3643	42
H2	0	96	904	0	1000	1	96	903	0	1000	19789	247
H	0	115	885	0	1000	1	115	884	0	1000	23432	289
I1	0	0	0	0	0	0	0	0	0	0	0	0
I2	6	25	969	0	1000	11	25	964	0	1000	41459	511
I3	0	306	694	0	1000	0	306	694	0	1000	304	7
I4	3	22	975	0	1000	8	22	970	0	1000	31443	405
I	5	25	970	0	1000	10	25	965	0	1000	73206	923
J1	832	57	111	0	1000	832	57	111	0	1000	19705	243
J2	56	507	437	0	1000	56	507	437	0	1000	3091	43
J	727	118	155	0	1000	727	118	155	0	1000	22796	286
K	399	166	435	0	1000	406	164	430	0	1000	25594	337
M	405	511	84	0	1000	408	511	81	0	1000	14801	147
N	290	376	334	0	1000	290	376	334	0	1000	5940	73
O	72	282	646	0	1000	88	288	624	0	1000	19541	240
All	196	144	660	0	1000	201	145	654	0	1000	185310	2295

Per 1000 distribution of enterprises by number of working hours of the enterprise in a normal day during the reference year and reference month for each activity category

Urban

Establishment

activity category	per 1000 of enterprises by number of working hours in a normal day during										number of enterprises	
	reference year					reference month					estimated	sample
	<4	4-7	8+	n.r.	all	<4	4-7	8+	n.r.	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
H1	0	64	936	0	1000	0	64	936	0	1000	4126	62
H2	0	27	973	0	1000	7	27	966	0	1000	13004	215
H	0	36	964	0	1000	5	36	959	0	1000	17130	277
I1	0	0	0	0	0	0	0	0	0	0	0	0
I2	0	76	924	0	1000	23	101	876	0	1000	2751	44
I3	0	16	984	0	1000	0	16	984	0	1000	1548	24
I4	0	45	955	0	1000	0	45	955	0	1000	5506	81
I	0	49	951	0	1000	7	56	937	0	1000	9805	149
J1	32	438	530	0	1000	32	438	530	0	1000	4678	85
J2	0	385	615	0	1000	0	385	615	0	1000	686	13
J	28	431	541	0	1000	28	431	541	0	1000	5364	98
K	51	151	798	0	1000	51	158	791	0	1000	14977	238
M	42	571	387	0	1000	50	571	379	0	1000	8954	130
N	38	225	737	0	1000	38	225	737	0	1000	5285	97
O	20	84	896	0	1000	20	87	893	0	1000	6502	103
All	24	184	792	0	1000	27	187	786	0	1000	68017	1092

Per 1000 distribution of enterprises by number of working hours of the enterprise in a normal day during the reference year and reference month for each activity category

Combined

all enterprise type

activity category	per 1000 of enterprises by number of working hours in a normal day during										number of enterprises	
	reference year					reference month					estimated	sample
	<4	4-7	8+	n.r.	all	<4	4-7	8+	n.r.	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
H1	8	157	835	0	1000	8	157	835	0	1000	21946	276
H2	4	129	867	0	1000	9	129	862	0	1000	141780	1900
H	4	132	864	0	1000	8	132	860	0	1000	163726	2176
I1	0	0	1000	0	1000	0	0	1000	0	1000	13	1
I2	5	45	950	0	1000	11	47	942	0	1000	149861	1691
I3	0	51	949	0	1000	0	51	949	0	1000	3353	57
I4	2	64	934	0	1000	8	61	931	0	1000	105688	1337
I	4	53	943	0	1000	10	53	937	0	1000	258915	3086
J1	698	144	158	0	1000	699	145	156	0	1000	148636	1755
J2	32	544	424	0	1000	38	539	423	0	1000	12582	156
J	646	175	179	0	1000	648	176	176	0	1000	161218	1911
K	279	186	535	0	1000	293	181	526	0	1000	105193	1535
M	271	488	241	0	1000	273	490	237	0	1000	66639	713
N	113	276	611	0	1000	113	282	605	0	1000	31493	432
O	41	187	772	0	1000	47	189	764	0	1000	71560	1025
All	186	160	654	0	1000	191	160	649	0	1000	858744	10878

Average number of workers engaged in enterprises by nature of employment, sex and by activity category

Activity category	estimated number of workers									number of enterprises	
	full time			part time			all			estimated	sample
	female	male	all	female	male	all	female	male	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	0.23	0.92	1.16	0.08	0.09	0.16	0.31	1.01	1.32	11748	122
H2	0.33	0.98	1.31	0.16	0.09	0.25	0.49	1.07	1.56	80951	1021
H	0.31	0.98	1.29	0.15	0.09	0.24	0.46	1.06	1.53	92699	1143
I1	0	0	0	0	0	0	0	0	0	0	0
I2	0.02	1	1.02	0.01	0.01	0.01	0.03	1	1.03	94636	992
I3	0	1.38	1.38	0	0	0	0	1.38	1.38	547	9
I4	0.18	0.88	1.07	0.03	0.14	0.17	0.21	1.03	1.24	59546	693
I	0.08	0.95	1.04	0.01	0.06	0.07	0.1	1.01	1.11	154729	1694
J1	2.08	0.28	2.37	1.18	0.05	1.24	3.26	0.34	3.6	113879	1255
J2	0.2	0.74	0.94	0.01	0.06	0.07	0.22	0.79	1.01	8009	87
J	1.96	0.31	2.27	1.11	0.05	1.16	3.06	0.37	3.43	121888	1342
K	0.1	0.61	0.71	0.08	0.32	0.4	0.18	0.93	1.1	49784	704
M	0.37	0.25	0.62	0.48	0.07	0.56	0.86	0.32	1.18	25159	209
N	0.34	0.51	0.85	0.13	0.14	0.27	0.46	0.65	1.11	11574	119
O	0.08	1.06	1.14	0.04	0.07	0.11	0.12	1.12	1.24	37629	537
ALL	0.61	0.73	1.34	0.34	0.09	0.44	0.96	0.82	1.78	493462	5748

Average number of workers engaged in enterprises by nature of employment, sex and by activity category

Activity category	estimated number of workers									number of enterprises	
	full time			part time			all			estimated	sample
	female	male	all	female	male	all	female	male	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	0.2	2.21	2.41	0.2	0.16	0.36	0.4	2.37	2.77	2429	50
H2	0.27	2.61	2.88	0.14	0.26	0.4	0.41	2.87	3.28	28036	417
H	0.26	2.58	2.84	0.15	0.25	0.4	0.41	2.83	3.24	30465	467
I1	1	8	9	0	0	0	1	8	9	13	1
I2	0.04	2.38	2.41	0.02	0.29	0.31	0.06	2.67	2.73	11015	144
I3	0.7	1.4	2.1	0	0.11	0.11	0.7	1.51	2.21	954	17
I4	0.67	0.97	1.64	0.11	0.34	0.45	0.78	1.32	2.1	9193	158
I	0.34	1.73	2.07	0.06	0.31	0.37	0.4	2.03	2.43	21175	320
J1	2.8	1.26	4.06	2.96	0.12	3.08	5.76	1.39	7.14	10374	172
J2	1.42	0.52	1.94	0.08	0	0.08	1.5	0.52	2.02	796	13
J	2.7	1.21	3.91	2.75	0.11	2.87	5.45	1.32	6.78	11170	185
K	0.26	1.75	2	0.09	0.51	0.6	0.35	2.25	2.6	14838	256
M	3.76	1.92	5.68	1.02	2.68	3.71	4.78	4.6	9.38	17725	227
N	2.53	1	3.54	0.49	0.49	0.98	3.02	1.49	4.52	8694	143
O	0.27	1.64	1.92	0.08	0.52	0.6	0.36	2.16	2.52	7888	145
ALL	1.25	1.88	3.13	0.54	0.7	1.25	1.79	2.58	4.38	111955	1743

Average number of workers engaged in enterprises by nature of employment, sex and by activity category

Urban

Kerala

OAE

Activity category	estimated number of workers									number of enterprises	
	full time			part time			all			estimated	sample
	female	male	all	female	male	all	female	male	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	0.33	0.93	1.27	0.06	0.06	0.12	0.39	1	1.39	3643	42
H2	0.4	1.06	1.46	0.15	0.12	0.27	0.54	1.19	1.73	19789	247
H	0.39	1.04	1.43	0.13	0.11	0.25	0.52	1.16	1.68	23432	289
I1	0	0	0	0	0	0	0	0	0	0	0
I2	0.01	1	1.01	0	0.01	0.01	0.01	1.01	1.02	41459	511
I3	0	1.01	1.01	0	0	0	0	1.01	1.01	304	7
I4	0.26	0.73	0.99	0.05	0.13	0.17	0.31	0.86	1.16	31443	405
I	0.12	0.89	1	0.02	0.06	0.08	0.14	0.95	1.08	73206	923
J1	2.12	0.12	2.24	4.26	0.33	4.59	6.37	0.45	6.82	19705	243
J2	0.4	0.59	1	0.06	0.02	0.08	0.46	0.61	1.07	3091	43
J	1.88	0.18	2.07	3.69	0.29	3.97	5.57	0.47	6.04	22796	286
K	0.09	0.72	0.81	0.09	0.28	0.37	0.18	1	1.18	25594	337
M	0.32	0.21	0.54	0.5	0.09	0.59	0.83	0.3	1.13	14801	147
N	0.31	0.38	0.69	0.13	0.71	0.84	0.44	1.09	1.52	5940	73
O	0.11	1	1.11	0.02	0.21	0.23	0.13	1.21	1.34	19541	240
ALL	0.39	0.74	1.13	0.54	0.16	0.7	0.92	0.9	1.83	185310	2295

Average number of workers engaged in enterprises by nature of employment, sex and by activity category

Activity category	estimated number of workers									number of enterprises	
	full time			part time			all			estimated	sample
	female	male	all	female	male	all	female	male	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	0.58	4.49	5.07	0.18	0.28	0.46	0.76	4.77	5.53	4126	62
H2	0.27	4.1	4.37	0.11	0.05	0.16	0.38	4.15	4.53	13004	215
H	0.34	4.19	4.54	0.13	0.1	0.23	0.47	4.3	4.77	17130	277
I1	0	0	0	0	0	0	0	0	0	0	0
I2	0.11	3.06	3.17	0.06	0.11	0.17	0.17	3.17	3.34	2751	44
I3	0.52	3.01	3.53	0	0.07	0.07	0.52	3.08	3.59	1548	24
I4	0.58	1.04	1.62	0.07	0.31	0.38	0.65	1.35	2	5506	81
I	0.44	1.92	2.36	0.06	0.21	0.27	0.49	2.13	2.63	9805	149
J1	1.87	3.25	5.12	0.12	0.21	0.33	2	3.46	5.45	4678	85
J2	1.59	3.28	4.87	0.3	0.14	0.44	1.9	3.42	5.32	686	13
J	1.84	3.25	5.09	0.15	0.2	0.35	1.98	3.45	5.43	5364	98
K	0.56	2.12	2.68	0.11	0.27	0.37	0.66	2.39	3.06	14977	238
M	3.47	2.86	6.33	0.47	0.68	1.15	3.94	3.54	7.48	8954	130
N	2.2	1.71	3.91	0.3	0.35	0.65	2.5	2.06	4.56	5285	97
O	1.03	1.49	2.51	0.01	0.32	0.33	1.04	1.81	2.85	6502	103
ALL	1.14	2.71	3.85	0.16	0.28	0.44	1.3	2.99	4.29	68017	1092

Average number of workers engaged in enterprises by nature of employment, sex and by activity category

Activity category	estimated number of workers									number of enterprises	
	full time			part time			all			estimated	sample
	female	male	all	female	male	all	female	male	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
H1	0.31	1.74	2.05	0.11	0.13	0.23	0.42	1.87	2.28	21946	276
H2	0.32	1.6	1.92	0.15	0.12	0.27	0.47	1.72	2.19	141780	1900
H	0.32	1.62	1.94	0.14	0.12	0.27	0.46	1.74	2.21	163726	2176
I1	1	8	9	0	0	0	1	8	9	13	1
I2	0.02	1.14	1.16	0.01	0.03	0.04	0.03	1.17	1.2	149861	1691
I3	0.44	2.11	2.54	0	0.06	0.06	0.44	2.17	2.61	3353	57
I4	0.27	0.85	1.12	0.04	0.17	0.21	0.31	1.02	1.33	105688	1337
I	0.13	1.04	1.16	0.02	0.09	0.11	0.15	1.12	1.27	258915	3086
J1	2.13	0.42	2.55	1.68	0.1	1.78	3.81	0.52	4.33	148636	1755
J2	0.41	0.83	1.23	0.05	0.05	0.09	0.45	0.87	1.33	12582	156
J	1.99	0.46	2.45	1.55	0.1	1.65	3.55	0.55	4.1	161218	1911
K	0.19	1.01	1.2	0.09	0.33	0.41	0.27	1.34	1.61	105193	1535
M	1.68	1.03	2.71	0.63	0.85	1.48	2.31	1.88	4.19	66639	713
N	1.25	0.82	2.07	0.26	0.38	0.63	1.51	1.2	2.71	31493	432
O	0.2	1.14	1.34	0.03	0.18	0.21	0.23	1.32	1.56	71560	1025
ALL	0.69	1.04	1.73	0.4	0.2	0.6	1.09	1.24	2.32	858744	10878



Estimated number of workers by type of worker, sex and by activity category

Rural

Kerala

OAE

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	3411	10865	14276	0	293	293	213	731	944	3624	11889	15513	166
H2	26837	79197	106034	747	2078	2825	11878	5405	17283	39462	86680	126142	1618
H	30248	90062	120310	747	2371	3118	12091	6136	18227	43086	98569	141655	1784
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	2457	93119	95576	0	1490	1490	221	418	639	2678	95027	97705	1021
I3	0	582	582	0	175	175	0	0	0	0	757	757	15
I4	7612	54546	62158	399	849	1248	4476	5815	10291	12487	61210	73697	776
I	10069	148247	158316	399	2514	2913	4697	6233	10930	15165	156994	172159	1812
J1	310040	28390	338430	11138	1992	13130	50558	8076	58634	371736	38458	410194	4144
J2	1609	6290	7899	72	38	110	66	30	96	1747	6358	8105	89
J	311649	34680	346329	11210	2030	13240	50624	8106	58730	373483	44816	418299	4233
K	8224	43602	51826	156	1568	1724	518	881	1399	8898	46051	54949	788
M	19652	6601	26253	1830	1386	3216	117	0	117	21599	7987	29586	247
N	4362	7389	11751	872	126	998	139	0	139	5373	7515	12888	136
O	4137	40044	44181	102	595	697	264	1668	1932	4503	42307	46810	671
ALL	388341	370625	758966	15316	10590	25906	68450	23024	91474	472107	404239	876346	9671

Estimated number of workers by type of worker, sex and by activity category

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	565	2321	2886	376	3332	3708	26	103	129	967	5756	6723	144
H2	4203	31000	35203	4691	46095	50786	2653	3229	5882	11547	80324	91871	1386
H	4768	33321	38089	5067	49427	54494	2679	3332	6011	12514	86080	98594	1530
I1	0	13	13	13	78	91	0	13	13	13	104	117	9
I2	478	9645	10123	60	19107	19167	90	677	767	628	29429	30057	399
I3	0	795	795	591	626	1217	77	24	101	668	1445	2113	38
I4	703	7455	8158	6341	4417	10758	119	225	344	7163	12097	19260	334
I	1181	17908	19089	7005	24228	31233	286	939	1225	8472	43075	51547	780
J1	39640	3904	43544	13755	9785	23540	6333	685	7018	59728	14374	74102	834
J2	236	348	584	891	66	957	66	0	66	1193	414	1607	32
J	39876	4252	44128	14646	9851	24497	6399	685	7084	60921	14788	75709	866
K	651	14700	15351	4491	17944	22435	17	763	780	5159	33407	38566	650
M	7648	12741	20389	72776	68358	141134	4367	413	4780	84791	81512	166303	1903
N	3058	5685	8743	19371	6283	25654	3858	1011	4869	26287	12979	39266	655
O	1119	6929	8048	1429	9632	11061	260	489	749	2808	17050	19858	373
ALL	58301	95536	153837	124785	185723	310508	17866	7632	25498	200952	288891	489843	6757

Estimated number of workers by type of worker, sex and by activity category

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	3976	13186	17162	376	3625	4001	239	834	1073	4591	17645	22236	310
H2	31040	110197	141237	5438	48173	53611	14531	8634	23165	51009	167004	218013	3004
H	35016	123383	158399	5814	51798	57612	14770	9468	24238	55600	184649	240249	3314
I1	0	13	13	13	78	91	0	13	13	13	104	117	9
I2	2935	102764	105699	60	20597	20657	311	1095	1406	3306	124456	127762	1420
I3	0	1377	1377	591	801	1392	77	24	101	668	2202	2870	53
I4	8315	62001	70316	6740	5266	12006	4595	6040	10635	19650	73307	92957	1110
I	11250	166155	177405	7404	26742	34146	4983	7172	12155	23637	200069	223706	2592
J1	349680	32294	381974	24893	11777	36670	56891	8761	65652	431464	52832	484296	4978
J2	1845	6638	8483	963	104	1067	132	30	162	2940	6772	9712	121
J	351525	38932	390457	25856	11881	37737	57023	8791	65814	434404	59604	494008	5099
K	8875	58302	67177	4647	19512	24159	535	1644	2179	14057	79458	93515	1438
M	27300	19342	46642	74606	69744	144350	4484	413	4897	106390	89499	195889	2150
N	7420	13074	20494	20243	6409	26652	3997	1011	5008	31660	20494	52154	791
O	5256	46973	52229	1531	10227	11758	524	2157	2681	7311	59357	66668	1044
ALL	446642	466161	912803	140101	196313	336414	86316	30656	116972	673059	693130	1366189	16428

Estimated number of workers by type of worker, sex and by activity category

Urban

Kerala

OAE

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	1432	3528	4960	0	58	58	0	39	39	1432	3625	5057	59
H2	6980	21259	28239	207	288	495	3567	1919	5486	10754	23466	34220	427
H	8412	24787	33199	207	346	553	3567	1958	5525	12186	27091	39277	486
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	300	41199	41499	0	543	543	0	194	194	300	41936	42236	520
I3	0	308	308	0	0	0	0	0	0	0	308	308	8
I4	8785	26012	34797	533	357	890	311	586	897	9629	26955	36584	474
I	9085	67519	76604	533	900	1433	311	780	1091	9929	69199	79128	1002
J1	111702	5423	117125	569	3227	3796	13270	225	13495	125541	8875	134416	1665
J2	1424	1843	3267	11	44	55	0	0	0	1435	1887	3322	53
J	113126	7266	120392	580	3271	3851	13270	225	13495	126976	10762	137738	1718
K	3636	23104	26740	294	2268	2562	754	176	930	4684	25548	30232	401
M	11523	4105	15628	332	234	566	368	98	466	12223	4437	16660	168
N	1535	6329	7864	904	11	915	158	119	277	2597	6459	9056	96
O	2469	21834	24303	0	337	337	98	1462	1560	2567	23633	26200	372
ALL	149786	154944	304730	2850	7367	10217	18526	4818	23344	171162	167129	338291	4243

Estimated number of workers by type of worker, sex and by activity category

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	210	3726	3936	2826	15843	18669	90	116	206	3126	19685	22811	344
H2	1621	12818	14439	2955	39757	42712	338	1386	1724	4914	53961	58875	939
H	1831	16544	18375	5781	55600	61381	428	1502	1930	8040	73646	81686	1283
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	320	2092	2412	161	6007	6168	0	619	619	481	8718	9199	154
I3	76	1150	1226	726	3613	4339	0	0	0	802	4763	5565	83
I4	574	4199	4773	2961	3172	6133	28	72	100	3563	7443	11006	161
I	970	7441	8411	3848	12792	16640	28	691	719	4846	20924	25770	398
J1	484	4671	5155	8850	11210	20060	0	283	283	9334	16164	25498	444
J2	90	555	645	1182	1791	2973	29	0	29	1301	2346	3647	63
J	574	5226	5800	10032	13001	23033	29	283	312	10635	18510	29145	507
K	760	13933	14693	8574	20284	28858	624	1589	2213	9958	35806	45764	714
M	3635	7134	10769	30500	24250	54750	1176	283	1459	35311	31667	66978	1110
N	1681	3991	5672	11232	6429	17661	284	482	766	13197	10902	24099	515
O	1700	4908	6608	4896	6481	11377	163	356	519	6759	11745	18504	289
ALL	11151	59177	70328	74863	138837	213700	2732	5186	7918	88746	203200	291946	4816

Estimated number of workers by type of worker, sex and by activity category

Urban Kerala all enterprise type

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	1642	7254	8896	2826	15901	18727	90	155	245	4558	23310	27868	403
H2	8601	34077	42678	3162	40045	43207	3905	3305	7210	15668	77427	93095	1366
H	10243	41331	51574	5988	55946	61934	3995	3460	7455	20226	100737	120963	1769
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	620	43291	43911	161	6550	6711	0	813	813	781	50654	51435	674
I3	76	1458	1534	726	3613	4339	0	0	0	802	5071	5873	91
I4	9359	30211	39570	3494	3529	7023	339	658	997	13192	34398	47590	635
I	10055	74960	85015	4381	13692	18073	339	1471	1810	14775	90123	104898	1400
J1	112186	10094	122280	9419	14437	23856	13270	508	13778	134875	25039	159914	2109
J2	1514	2398	3912	1193	1835	3028	29	0	29	2736	4233	6969	116
J	113700	12492	126192	10612	16272	26884	13299	508	13807	137611	29272	166883	2225
K	4396	37037	41433	8868	22552	31420	1378	1765	3143	14642	61354	75996	1115
M	15158	11239	26397	30832	24484	55316	1544	381	1925	47534	36104	83638	1278
N	3216	10320	13536	12136	6440	18576	442	601	1043	15794	17361	33155	611
O	4169	26742	30911	4896	6818	11714	261	1818	2079	9326	35378	44704	661
ALL	160937	214121	375058	77713	146204	223917	21258	10004	31262	259908	370329	630237	9059

Estimated number of workers by type of worker, sex and by activity category

Combined

Kerala

OAE

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	4843	14393	19236	0	351	351	213	770	983	5056	15514	20570	225
H2	33817	100456	134273	954	2366	3320	15445	7324	22769	50216	110146	160362	2045
H	38660	114849	153509	954	2717	3671	15658	8094	23752	55272	125660	180932	2270
I1	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	2757	134318	137075	0	2033	2033	221	612	833	2978	136963	139941	1541
I3	0	890	890	0	175	175	0	0	0	0	1065	1065	23
I4	16397	80558	96955	932	1206	2138	4787	6401	11188	22116	88165	110281	1250
I	19154	215766	234920	932	3414	4346	5008	7013	12021	25094	226193	251287	2814
J1	421742	33813	455555	11707	5219	16926	63828	8301	72129	497277	47333	544610	5809
J2	3033	8133	11166	83	82	165	66	30	96	3182	8245	11427	142
J	424775	41946	466721	11790	5301	17091	63894	8331	72225	500459	55578	556037	5951
K	11860	66706	78566	450	3836	4286	1272	1057	2329	13582	71599	85181	1189
M	31175	10706	41881	2162	1620	3782	485	98	583	33822	12424	46246	415
N	5897	13718	19615	1776	137	1913	297	119	416	7970	13974	21944	232
O	6606	61878	68484	102	932	1034	362	3130	3492	7070	65940	73010	1043
ALL	538127	525569	1063696	18166	17957	36123	86976	27842	114818	643269	571368	1214637	13914

## Estimated number of workers by type of worker, sex and by activity category

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	775	6047	6822	3202	19175	22377	116	219	335	4093	25441	29534	488
H2	5824	43818	49642	7646	85852	93498	2991	4615	7606	16461	134285	150746	2325
H	6599	49865	56464	10848	105027	115875	3107	4834	7941	20554	159726	180280	2813
I1	0	13	13	13	78	91	0	13	13	13	104	117	9
I2	798	11737	12535	221	25114	25335	90	1296	1386	1109	38147	39256	553
I3	76	1945	2021	1317	4239	5556	77	24	101	1470	6208	7678	121
I4	1277	11654	12931	9302	7589	16891	147	297	444	10726	19540	30266	495
I	2151	25349	27500	10853	37020	47873	314	1630	1944	13318	63999	77317	1178
J1	40124	8575	48699	22605	20995	43600	6333	968	7301	69062	30538	99600	1278
J2	326	903	1229	2073	1857	3930	95	0	95	2494	2760	5254	95
J	40450	9478	49928	24678	22852	47530	6428	968	7396	71556	33298	104854	1373
K	1411	28633	30044	13065	38228	51293	641	2352	2993	15117	69213	84330	1364
M	11283	19875	31158	103276	92608	195884	5543	696	6239	120102	113179	233281	3013
N	4739	9676	14415	30603	12712	43315	4142	1493	5635	39484	23881	63365	1170
O	2819	11837	14656	6325	16113	22438	423	845	1268	9567	28795	38362	662
ALL	69452	154713	224165	199648	324560	524208	20598	12818	33416	289698	492091	781789	11573



## Estimated number of workers by type of worker, sex and by activity category

Combined

Kerala

all enterprise type

Activity category	estimated number of workers												sample no. of workers
	working owner			hired worker			other worker			total worker			
	female	male	all	female	male	all	female	male	all	female	male	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
H1	5618	20440	26058	3202	19526	22728	329	989	1318	9149	40955	50104	713
H2	39641	144274	183915	8600	88218	96818	18436	11939	30375	66677	244431	311108	4370
H	45259	164714	209973	11802	107744	119546	18765	12928	31693	75826	285386	361212	5083
I1	0	13	13	13	78	91	0	13	13	13	104	117	9
I2	3555	146055	149610	221	27147	27368	311	1908	2219	4087	175110	179197	2094
I3	76	2835	2911	1317	4414	5731	77	24	101	1470	7273	8743	144
I4	17674	92212	109886	10234	8795	19029	4934	6698	11632	32842	107705	140547	1745
I	21305	241115	262420	11785	40434	52219	5322	8643	13965	38412	290192	328604	3992
J1	461866	42388	504254	34312	26214	60526	70161	9269	79430	566339	77871	644210	7087
J2	3359	9036	12395	2156	1939	4095	161	30	191	5676	11005	16681	237
J	465225	51424	516649	36468	28153	64621	70322	9299	79621	572015	88876	660891	7324
K	13271	95339	108610	13515	42064	55579	1913	3409	5322	28699	140812	169511	2553
M	42458	30581	73039	105438	94228	199666	6028	794	6822	153924	125603	279527	3428
N	10636	23394	34030	32379	12849	45228	4439	1612	6051	47454	37855	85309	1402
O	9425	73715	83140	6427	17045	23472	785	3975	4760	16637	94735	111372	1705
ALL	607579	680282	1287861	217814	342517	560331	107574	40660	148234	932967	1063459	1996426	25487

Annual emoluments (in Rs.) per worker by activity category and by type of enterprise

Rural

Kerala

Activity category	Estimated number of workers		average no. of hired workers		establishment			all			no. of enterprises			
	establishment	all	Establishment	all	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	establishment		all	
											estimated	sample	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
H1	6723	22236	1.6	0.4	34188	40155	37793	18707	36903	24342	2429	50	14177	172
H2	91871	218013	2	0.7	15699	38146	29854	11598	30917	18968	28036	417	108987	1438
H	98594	240249	2	0.7	17551	38328	30601	12332	31379	19470	30465	467	123164	1610
I1	117	117	8	8	0	40170	35707	0	40170	35707	13	1	13	1
I2	30057	127762	1.8	0.2	25183	55958	46394	12264	53738	20793	11015	144	105651	1136
I3	2113	2870	1.4	1	19484	27939	24602	13130	28307	21148	954	17	1501	26
I4	19260	92957	1.2	0.3	5023	15333	10981	3444	11791	5437	9193	158	68739	851
I	51547	223706	1.5	0.3	14673	38701	30045	8540	33609	14276	21175	320	175904	2014
J1	74102	484296	2.9	0.8	3195	663872	349377	1039	242995	60823	10374	172	124253	1427
J2	1607	9712	1.3	0.1	24000	55914	44944	18800	61320	27585	796	13	8805	100
J	75709	494008	2.8	0.8	3756	635996	338128	1482	239376	60034	11170	185	133058	1527
K	38566	93515	1.6	0.4	15426	24108	20609	10956	22837	14509	14838	256	64622	960
M	166303	195889	8.2	3.5	13790	90886	79867	10504	89500	71533	17725	227	42884	436
N	39266	52154	3.5	1.6	36588	83165	72499	27708	81893	62986	8694	143	20268	262
O	19858	66668	1.5	0.3	8698	25739	18110	9311	21614	12481	7888	145	45517	682
ALL	489843	1366189	3	0.7	14403	118830	86236	7585	94851	39272	111955	1743	605417	7491

Annual emoluments (in Rs.) per worker by activity category and by type of enterprise

Urban

Kerala

Activity category	Estimated number of workers		average no. of hired workers		establishment			all			no. of enterprises			
	establishment	all	establishment	all	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	establishment		all	
											estimated	sample	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
H1	22811	27868	4.6	2.4	14688	43690	38547	15522	43408	35312	4126	62	7769	104
H2	58875	93095	3.4	1.5	25167	104181	83734	14800	95593	59928	13004	215	32793	462
H	81686	120963	3.7	1.7	23064	86695	71618	14917	81365	54320	17130	277	40562	566
I1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I2	9199	51435	2.5	0.2	8263	44947	35657	10137	43576	16289	2751	44	44210	555
I3	5565	5873	2.8	2.3	10871	39521	31927	10692	39521	30017	1548	24	1852	31
I4	11006	47590	1.1	0.2	5292	18673	12772	2639	17743	5303	5506	81	36949	486
I	25770	104898	1.8	0.2	7099	34813	25622	6596	33001	12198	9805	149	83011	1072
J1	25498	159914	4.3	1.5	24174	763261	618440	2167	505020	131159	4678	85	24383	328
J2	3647	6969	4.4	0.8	33704	453508	380209	11684	447484	225827	686	13	3777	56
J	29145	166883	4.4	1.4	25244	723879	588837	2512	499536	136094	5364	98	28160	384
K	45764	75996	2.1	0.9	16432	65995	49405	13620	62055	36339	14977	238	40571	575
M	66978	83638	6.3	2.4	28653	288628	250920	19709	284036	219299	8954	130	23755	277
N	24099	33155	3.5	1.7	65143	161169	141405	44975	157254	122155	5285	97	11225	170
O	18504	44704	1.8	0.5	17185	42551	33072	8606	33934	17419	6502	103	26043	343
ALL	291946	630237	3.3	1	24150	209672	165449	9772	189681	90839	68017	1092	253327	3387

Annual emoluments (in Rs.) per worker by activity category and by type of enterprise

Combined

Kerala

Activity category	Estimated number of workers		average no. of hired workers		establishment			all			no. of enterprises			
	establishment	all	establishment	all	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	annual salary per working owner	annual salary per hired worker	annual emoluments per worker	establishment		all	
											estimated	sample	estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
H1	29534	50104	3.5	1.1	24107	42859	38325	17581	41773	30542	6555	112	21946	276
H2	150746	311108	2.5	0.9	18747	67420	51614	12382	56767	31771	41040	632	141780	1900
H	180280	361212	2.6	0.9	19471	62736	49309	12999	54267	31599	47595	744	163726	2176
I1	117	117	8	8	0	40170	35707	0	40170	35707	13	1	13	1
I2	39256	179197	1.9	0.2	21135	52711	43404	11567	50709	19343	13766	188	149861	1691
I3	7678	8743	2.3	1.7	14363	36350	29627	11800	35993	26753	2502	41	3353	57
I4	30266	140547	1.2	0.3	5113	16395	11563	3136	13559	5388	14699	239	105688	1337
I	77317	328604	1.6	0.3	12253	37349	28550	7849	33406	13547	30980	469	258915	3086
J1	99600	644210	3.4	0.9	6966	708559	442854	1372	323038	81754	15052	257	148636	1755
J2	5254	16681	2.7	0.3	28852	339132	267277	16091	329751	124615	1482	26	12582	156
J	104854	660891	3.3	0.9	7918	677454	430706	1789	323335	83141	16534	283	161218	1911
K	84330	169511	1.8	0.6	15906	47163	35682	11942	44360	24043	29815	494	105193	1535
M	233281	279527	7.6	3.1	19316	163621	142883	14096	160988	126622	26679	357	66639	713
N	63365	85309	3.5	1.6	48412	118071	102829	34770	115745	88772	13979	240	31493	432
O	38362	111372	1.6	0.4	12031	33602	24641	9059	27293	14396	14390	248	71560	1025
ALL	781789	1996426	3.1	0.8	17838	158898	119200	8290	133380	57601	179972	2835	858744	10878

## Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Rural

OAE

Activity category	value ( Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/ dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	173724	80	44	64752	55	11748	122
H2	61093	92	104	27411	130	80951	1021
H	75367	91	96	32143	121	92699	1143
I1	0	0	0	0	0	0	0
I2	80694	266	0	67823	1326	94636	992
I3	16184	0	1017	457	0	547	9
I4	44029	369	62	18005	204	59546	693
I	66356	305	27	48413	889	154729	1694
J1	6430	6	28	92746	1833	113879	1255
J2	34668	0	63	26187	28	8009	87
J	8285	6	31	88372	1714	121888	1342
K	178034	3018	123	127013	970	49784	704
M	33996	78	21	36899	1	25159	209
N	111653	3	147	25037	21	11574	119
O	37434	88	182	19087	54	37629	537
ALL	62179	429	65	59785	827	493462	5748

## Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Rural

Establishment

Activity category	value ( Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/ dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	649395	71	77	189143	366	2429	50
H2	139682	35	366	47392	759	28036	417
H	180322	38	343	58694	728	30465	467
I1	1000000	0	0	0	0	13	1
I2	525058	12167	8	662268	3516	11015	144
I3	491519	0	306	323468	0	954	17
I4	110503	881	143	50259	386	9193	158
I	343862	6712	80	380897	1996	21175	320
J1	229606	3250	19534	7857447	88249	10374	172
J2	44441	0	1758	532135	2	796	13
J	216411	3018	18267	7335428	81960	11170	185
K	299850	1664	240	262884	16067	14838	256
M	954336	14645	827	491876	746	17725	227
N	577850	55472	2594	1578480	6146	8694	143
O	345550	1	497	67373	193	7888	145
ALL	395752	8428	2330	1059928	11491	111955	1743

## Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Rural

all enterprises type

Activity category	value (Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	255223	79	49	86064	109	14177	172
H2	81309	78	171	32551	292	108987	1438
H	101328	78	157	38710	271	123164	1610
I1	1000000	0	0	0	0	13	1
I2	127022	1507	1	129799	1554	105651	1136
I3	318295	0	565	205755	0	1501	26
I4	52919	438	72	22319	228	68739	851
I	99761	1076	34	88437	1022	175904	2014
J1	25063	277	1657	741028	9048	124253	1427
J2	35551	0	217	71926	26	8805	100
J	25757	259	1562	696751	8451	133058	1527
K	206004	2707	150	158211	4436	64622	960
M	414395	6099	354	224952	309	42884	436
N	311629	23796	1196	691390	2648	20268	262
O	90830	73	237	27455	78	45517	682
ALL	123864	1908	484	244733	2799	605417	7491

Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Urban

OAE

Activity category	value (Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	186717	152	0	46566	101	3643	42
H2	90297	62	128	41475	1160	19789	247
H	105288	76	108	42266	995	23432	289
I1	0	0	0	0	0	0	0
I2	83547	347	6	67098	1423	41459	511
I3	65862	0	220	0	0	304	7
I4	45614	145	78	23250	89	31443	405
I	67181	259	38	47986	844	73206	923
J1	19257	0	10	176565	4240	19705	243
J2	33929	0	21	2901	4	3091	43
J	21246	0	12	153017	3665	22796	286
K	299575	96	187	264125	806	25594	337
M	42341	1	142	15248	0	14801	147
N	101736	0	201	61089	4	5940	73
O	38360	9	237	20334	124	19541	240
ALL	94530	126	99	84924	1035	185310	2295



Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Urban

Establishment

Activity category	value (Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	6377574	0	822	463027	234	4126	62
H2	181253	150	1107	85802	2218	13004	215
H	1673724	114	1039	176662	1740	17130	277
I1	0	0	0	0	0	0	0
I2	328089	2698	23	223084	6627	2751	44
I3	305778	0	1310	5660	0	1548	24
I4	97594	0	420	6665	9	5506	81
I	195132	757	449	67227	1864	9805	149
J1	654682	58110	6389	11215018	861654	4678	85
J2	905907	0	1103	2367347	0	686	13
J	686811	50679	5713	10083493	751458	5364	98
K	1071419	656	537	438133	1159	14977	238
M	1062818	9664	2055	667519	3109	8954	130
N	828616	27	671	495990	757	5285	97
O	677239	49	492	186652	1275	6502	103
ALL	1008777	5558	1265	1090125	60814	68017	1092

## Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Urban

all enterprises type

Activity category	value (Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	3474589	72	436	267742	172	7769	104
H2	126366	97	516	59053	1580	32793	462
H	767664	92	501	99024	1310	40562	566
I1	0	0	0	0	0	0	0
I2	98764	493	7	76804	1747	44210	555
I3	266396	0	1131	4731	0	1852	31
I4	53360	123	129	20778	77	36949	486
I	82294	318	86	50259	965	83011	1072
J1	141166	11149	1234	2294347	168739	24383	328
J2	192303	0	218	432345	3	3777	56
J	148025	9653	1098	2044603	146107	28160	384
K	584506	302	316	328361	936	40571	575
M	426990	3643	863	261109	1172	23755	277
N	443969	13	423	265851	359	11225	170
O	197865	19	301	61858	411	26043	343
ALL	340001	1585	412	354816	17085	253327	3387

## Fixed assets and financial liability per enterprise as on last date of reference year by activity category

Combined

all enterprises type

Activity category	value (Rs.) of owned assets as on last date of reference year	net addition to fixed assets (Rs.) during reference year	annual rent (Rs.) payable on hired assets	financial liability (Rs.) as on last date of reference year	annual interest/dividend payable (Rs.)	number of enterprises	
						estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
H1	1394895	76	186	150379	131	21946	276
H2	91731	82	251	38680	590	141780	1900
H	266408	81	242	53653	528	163726	2176
I1	1000000	0	0	0	0	13	1
I2	118686	1208	3	114165	1611	149861	1691
I3	289629	0	878	94721	0	3353	57
I4	53073	328	92	21780	175	105688	1337
I	94161	833	50	76196	1004	258915	3086
J1	44109	2060	1587	995842	35244	148636	1755
J2	82607	0	217	180120	19	12582	156
J	47114	1900	1481	932180	32495	161218	1911
K	351985	1780	214	223834	3086	105193	1535
M	418885	5224	536	237841	616	66639	713
N	358799	15319	921	539715	1832	31493	432
O	129783	53	260	39975	200	71560	1025
ALL	187624	1813	463	277207	7014	858744	10878

Average gross value added (Rs.) per financial enterprise by activity category

activity category (NIC-2004 code)	expenditure on						receipts from							GVA	no. of enterprises	
	interest payments	bank charges	DEMAT charges	Taxes on products/ services (e.g. Vat etc.)	others	all	interest	dividend	lease income	bill discounting	merchant banking/ underwriting	others	all		estimated	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Rural																
65925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65994	92491	5	0	2	185681	278179	112257	3445	429	8	14555	218208	348902	70723	103479	1136
65995	430	0	0	0	367	797	2300	0	0	0	0	1442	3742	2945	1024	13
rest of 659	813710	800	0	542	213223	1028275	1350607	897	376	0	362472	102398	1816750	788475	19750	278
66	10023	427	0	0	8948	19398	17309	0	0	356	0	10920	28585	9187	1399	19
67	0	0	0	0	220	220	0	0	0	0	0	1450	1450	1230	7406	81
All	192819	127	0	82	176162	369190	287974	2812	390	10	65121	185106	541413	172223	133058	1527
Urban																
65925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65994	283404	7	0	10	9901947	10185368	360211	4	0	0	7	9851411	10211633	26265	17606	220
65995	0	0	0	0	848	848	2376	0	0	0	0	0	2376	1528	188	2
rest of 659	2454092	10038	0	36881	1535121	4036132	2583816	8274	11280	0	23	4041813	6645206	2609074	6589	106
66	1207908	0	0	31	228993	1436932	1504352	276713	0	0	0	570474	2351539	914607	2081	31
67	0	0	0	0	750	750	0	0	0	0	0	10598	10598	9848	1696	25
All	840670	2353	0	8638	6566994	7418655	940967	22387	2639	0	10	7147748	8113751	695096	28160	384
Combined																
65925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65994	120250	5	0	3	1598446	1718704	148310	2945	367	7	12440	1618895	1782964	64260	121085	1356
65995	364	0	0	0	442	806	2312	0	0	0	0	1218	3530	2724	1212	15
rest of 659	1224070	3111	0	9633	543911	1780725	1659108	2742	3104	0	271801	1087887	3024642	1243917	26339	384
66	726344	172	0	19	140533	867068	906543	165471	0	143	0	345527	1417684	550616	3480	50
67	0	0	0	0	319	319	0	0	0	0	0	3155	3155	2836	9102	106
All	305980	516	0	1576	1292451	1600523	402033	6232	783	8	53748	1401272	1864076	263553	161218	1911



# Appendix B

## 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 sixty-third round from 1<sup>st</sup> July 2006.

1.2 The sixty-third round of NSS was earmarked for collection of data on economic and operational characteristics of enterprises in service sector (excluding trade) and also on household consumer expenditure. The field operations of the survey commenced on 1<sup>st</sup> July 2006 and continued up to 30<sup>th</sup> June 2007.

1.3 Last survey of service sector enterprises was conducted in the 57<sup>th</sup> round of NSS during July 2001 to June 2002.

The present survey was basically a repetition of the 57<sup>th</sup> round survey in terms of concepts and definitions. However, financial sector had been included in the coverage of this round.

### 2. Outline of Survey Programme

2.1 **Subject Coverage:** The 63rd round (July 2006 - June 2007) of NSS was earmarked for survey on service sector enterprises (excluding Trade). All service sector enterprises, which were not covered under the Annual Survey of Industries (ASI), were under coverage of the survey. Government and public sector undertakings were not under survey coverage. Usual annual survey on household consumer expenditure was also carried out during this round.

2.2 **Geographical coverage:** The survey covered the whole of the Indian Union *except* (i) Leh (Ladakh) and Kargil, Punch and Rajauri districts of Jammu & Kashmir (central sample), (ii) interior villages of Nagaland situated beyond five kilometres of the bus route and (iii) villages in Andaman and Nicobar Islands which remained inaccessible throughout the year.

2.3 **Period of survey and work programme:** The period of survey was of one year duration starting on 1<sup>st</sup> July 2006 and ending on 30<sup>th</sup> June 2007. The survey period of this round was divided into four sub-rounds of three months duration each as follows:

- sub-round 1 : July - September 2006
- sub-round 2 : October - December 2006
- sub-round 3 : January - March 2007
- sub-round 4 : April - June 2007

In each of these four sub-rounds, equal number of sample villages/ blocks (FSUs) 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 had been allotted. *Because of the arduous field conditions, this restriction was not strictly enforced in Andaman and Nicobar Islands, Lakshadweep, rural areas of Arunachal Pradesh and Nagaland.*

**2.4 Schedules of enquiry:** During this round, the following schedules of enquiry were canvassed:

Schedule 0.0	: list of households and non-agricultural enterprises
Schedule 2.345	: service sector enterprises (excluding trade)
Schedule 1.0	: household consumer expenditure

**Participation of States:** In this round all the States and Union Territories except Andaman & Nicobar Islands, Dadra & Nagar Haveli, Chandigarh, Lakshadweep and Andhra Pradesh ( for schedule 1.0) participated at least on an equal matching basis. The following was the matching pattern of the participating States/ UTs.

Nagaland (U)	: triple
U.P., J & K, Manipur	: double
Kerala, Goa, Maharashtra (U)	: one and half
Remaining States/ UTs	: equal

### 3. Sample Design

**3.1 Outline of sample design:** Two frames had been used for the 63<sup>rd</sup> round survey viz. List frame and Area frame.

**3.2 List frame:** A list of 998 service sector companies distributed all over India had been used as list frame. The list of financial sector enterprises had been supplied by RBI. For the other service sector enterprises the list had been supplied by the Ministry of Company Affairs.

For all the companies in the list frame, information was collected considering all the branch offices. A combined schedule 2.345 was filled up for the list frame companies covering all the branches.

All these companies in the list frame were surveyed. However, these companies and their branch offices were excluded from the coverage of the area frame survey to avoid duplication.

There was no sub-round restriction for the list frame units.

**All the enterprises in the list frame were common to both central and state samples.**



The list frame units were surveyed by the central agency only. It was decided that DPD would supply validated data regarding list frame units to the respective State agencies.

### 3.3 Area frame:

A stratified multi-stage design had been adopted for the 63<sup>rd</sup> round survey. The first stage units (FSU) were the 2001 census villages (Panchayat wards in case of Kerala) in the rural sector and Urban Frame Survey (UFS) blocks in the urban sector. In addition, for the newly declared towns and out growths (OGs) in census 2001 for which UFS had not been done, a separate list was prepared and this list had been used as a frame for such towns and OGs in urban sector. For these towns and OGs the whole town/ OG were considered as FSU. The ultimate stage units (USU) were service sector enterprises, in both the sectors. In the case of large villages/ towns/ blocks requiring hamlet-group (hg)/ sub-block (sb) formation, one intermediate stage was the selection of hgs/ sbs from each FSU.

The list of villages as per census 2001 had been used as frame for the rural sector.

In the urban sector, three kinds of frames had been used:

- (a) For the 27 towns with population 10 lakhs or more (as per Census 2001), EC-98 had been used as frame.
- (b) For other UFS towns, the latest available list of UFS blocks had been used as frame.
- (c) For non-UFS towns list of such towns/ OGs had been used as frame.

**3.4 Stratification:** Within each district of a State/ UT, two basic strata had been formed:

i) rural stratum comprising of all rural areas of the district and (ii) urban stratum comprising of all the urban areas of the district. However, if there were one or more towns with population 10 lakhs or more as per population census 2001 in a district, each of them also formed a separate basic stratum and the remaining urban areas of the district were considered as another basic stratum. There were 27 towns with population 10 lakhs or more at all-India level as per census 2001.

### 3.5 Sub-stratification for area frame:

**3.5.1 Rural sector:** If 'r' be the sample size allocated for a rural stratum, the number of sub-strata formed was ' $r/2$ '. The villages within a district as per frame was first arranged in ascending order of population. Then sub-strata 1 to ' $r/2$ ' had been demarcated in such a way that each sub-stratum comprised a group of villages of the arranged frame and had more or less equal population.

#### 3.5.2 Urban sector:

- (a) For the 27 cities where EC-98 frame had been used: A number of sub-strata had been formed within each stratum based on EC-98 information as under:

sub-stratum 1: all FSUs having at least one establishment (i.e. enterprise with at least one hired worker) of Financial sector (NIC 2004 codes: 659, 66, 67) under coverage of survey.

sub-stratum 2: all FSUs, excluding those in the already formed sub-stratum 1, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 72, 73, 92.

sub-stratum 3: all FSUs, excluding those in the already formed sub-strata, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 61, 6302, 70, 71, 90, 9191, 9199.

sub-stratum 4: all FSUs, excluding those in the already formed sub-strata, having at least one establishment under coverage of survey belonging to any of the NIC 2004 codes: 602, 6301, 6303, 6304, 6309, 85.

sub-stratum 5: all FSUs, excluding those in the already formed sub-strata, having at least one establishment in any one of the Section H, I, J, K, M, N, O of NIC 2004 under coverage of survey.

sub-stratum 6: all FSUs, excluding those in the already formed sub-strata, having at least one own account enterprise (OAE) i.e. enterprise with no hired worker in any one of the Section H, I, J, K, M, N, O of NIC 2004 under coverage of survey.

sub-stratum 7: rest of FSUs of the stratum.

(b) For other cities and towns of urban stratum of a district: Three sub-strata were formed as follows:

sub-stratum 1: all UFS blocks (i.e. UFS blocks as per the latest UFS) identified as Industrial Area (IA) or Bazar Area (BA) or Hospital Area (HA) or Slum Area (SA).

sub-stratum 2: remaining UFS blocks.

sub-stratum 3: non-UFS towns/ OGs of Census 2001

**3.6 Total sample size:** 13322 FSUs for area frame and 998 service sector companies for list frame had been allocated at all-India level for central sample on the basis of investigator strength. For state sample, 16892 FSUs had been allocated for area frame.

**3.7 Allocation of total samples to States and UTs:** The total (all-India) sample FSUs had been allocated to the States and UTs in proportion to number of workers in service sector enterprises as per EC '98 engaged in the activities under coverage of the survey subject to the availability of investigators ensuring more or less uniform work-load per investigator. (Hereafter, "**workers**")

will mean **workers in service sector enterprises as per EC '98 engaged in the activities under coverage of this round**).

**3.8 Allocation of State/ UT level sample to Rural and Urban sectors:** State/UT level sample sizes had been allocated to rural and urban sectors in proportion to the total number of workers.

**3.9 Allocation to strata:** Within each sector of a State/UT, the respective sample size had been allocated to the different strata in proportion to the stratum population as per census 2001.

**3.10 Allocation to sub-strata:**

3.10.1 *Rural sector:* Allocation to each sub-stratum was 2 except in a few sub-strata.

3.10.2 *Urban sector:*

For 27 million plus cities in the urban sector, stratum allocations had been distributed over the sub-strata in proportion to the number of *workers*.

For other urban strata, maximum of 2 FSUs were allocated to sub-stratum 3. Rest of the stratum allocation were divided among the sub-strata 1 & 2 in proportion to number of FSUs in the sub-strata with double weightage to sub-stratum 1. Minimum sub-stratum allocation was 2 for sub-strata 1 & 2.

**3.11 Selection of FSUs:** Samples had been drawn in the form of two independent sub-samples in each stratum × sub-stratum.

**Rural sector:** FSUs had been selected by PPSWR with size as ‘other workers’ (i.e. total workers – household industry workers – agricultural labourers – cultivators) as per census 2001.

**Urban sector:**

(a) For 27 million plus cities: FSUs had been selected by PPSWR with the number of workers as size.

(b) For other cities/towns: FSUs had been selected by SRSWOR.

**3.12 Selection of hamlet-groups/ sub-blocks / enterprises - important steps**

**3.12.1 Formation of segment 9:** All non-agricultural enterprises having 50 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 for brevity) 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) of 'hamlet-groups' in the rural sector and 'sub-blocks' in the urban sector as stated below.

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

However, while considering enterprise criteria, segment 9 enterprises, if any, were excluded i.e. the value of 'E' above might have been adjusted in respect of the number of enterprises in segment 9. For rural areas of Himachal Pradesh, Sikkim and Poonch, Rajouri, Udhampur, Doda districts of Jammu and Kashmir and Idukki district of Kerala, the number of hamlet-groups were formed as follows.

approximate present population of the sample village	no. of hgs to be formed
less than 600 (no hamlet-groups)	1
600 to 799	4
800 to 999	5
1000 to 1199	6
.....and so on	

For enterprise criterion, procedure was not changed for the above areas.

The higher of the two values as per population and enterprise criteria was accepted as the number of hgs/ sbs actually formed.

**3.12.3 Formation of hamlet-groups/ sub-blocks:** In case hamlet-groups/ sub-blocks were formed in the sample FSU, the same was done by more or less equalizing population. However, it was ensured that the hamlet-groups/ sub-blocks formed were clearly identifiable in terms of physical landmarks.

**3.12.4 Formation of segments 1 and 2:** After formation of hg / sb in the large FSUs, three hg's/ sb's were selected for listing in the following manner – hg with maximum number of service sector enterprise under survey coverage, failing which, with maximum number of non-

agricultural enterprises, failing which, with maximum percentage share of population was always selected and termed as **Segment 1**; two more hgs/ sbs were selected with SRSWOR and combined to constitute **Segment 2**.

**3.12.5 Listing of households/ enterprises and formation of their frame:** Having determined the area(s) to be considered for listing, the next step was to list all the households and non-agricultural enterprises (NAEs) [including those found to be temporarily locked after ascertaining temporariness of locking of households/ NAEs through local enquiry]. Although all non-agricultural enterprises were to be listed, only the service sector enterprises as given in para 2.1 were covered for the survey. Thus, Govt. service sector enterprises / PSUs/ enterprises under the coverage of ASI frame (2004 – 05) were not considered for survey. Further, those service sector enterprises which operated for at least 30 days (15 days for seasonal enterprises) during the reference year (i.e. last 365 days preceding the date of survey) only qualified for survey. Such enterprises will hereafter be referred to as ‘**eligible enterprises**’.

Listing and selection of enterprises were done separately for segment 1 and segment 2. For segment 2, hg/sb with order of selection number 1 was listed first and that with order of selection number 2 was listed next but selection of enterprises was made from the combined list.

### 3.12.6 Formation of Second Stage Strata and allocation of enterprises for schedule 2.345:

In each of the segments 1, 2 and 9 of the sample FSU, eligible enterprises under coverage were divided into **8** (eight) second stage strata (SSS) as follows:

(i) establishments:

SSS 1 – financial intermediation excluding monetary intermediation but including money lending, self help group (SHG), co-operative credit society (659), insurance and pension funding except compulsory social security (66), activities auxiliary to financial intermediation (67);

SSS 2 – storage and warehousing (6302), computer and related activities (72), research and development (73);

SSS 3 – water transport (61), sewage and refuse disposal, sanitation (90), membership organizations (91);

SSS 4 – hotels etc. (551), supporting and auxiliary transport activities, activities of travel agencies excluding storage and warehousing (6301, 6303, 6304, 6309), post and courier activities (641), real estate (701), architectural, engineering etc. (742), advertising (743), human health (851), motion pictures, radio, TV and other entertainment (921);

SSS 5 – rest of the establishments;

(ii) OAEs:

SSS 6 – financial intermediation excluding monetary intermediation but including money lending, self help group (SHG), co-operative credit society (659), insurance and pension funding, except compulsory social security (66), activities auxiliary to financial intermediation (67);

SSS 7 – real state (70), computer and related activities (72), research and development (73),

other business activities (74);  
SSS 8 – rest of the OAEs.

The number of enterprises to be surveyed for schedules 2.345 in each FSU were as follows (excluding big enterprises in segment 9).

SSS no.	number of enterprises to be surveyed for schedule 2.345	
	without hg/ sb formation	with hg/ sb formation (for each segment)
1	2	1
2	2	1
3	2	1
4	4	2
5	4	2
6	2	1
7	4	2
8	4	2
total	24	12

From each SSS the sample enterprises for schedule 2.345 were selected by SRSWOR.

# Estimation Procedure

## 1.1 Notations:

s = subscript for s-th stratum

t = subscript for t-th sub-stratum

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

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

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, 4, 5, 6, 7 or 8)

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

l = subscript for l-th list frame company

D = total number of hamlet-groups/sub-blocks formed in the sample village (panchayat ward) / block

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

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

N = total number of FSUs in any urban sub-stratum belonging to the strata other than million plus cities

Z = total size of a rural sub-stratum or urban sub-stratum of million plus cities (= sum of sizes for all the FSUs of a sub-stratum)

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

n = number of sample village / block/ non-UFS town or OG surveyed including zero cases but excluding casualty for a particular sub-sample and sub-stratum.

E = total number of enterprises listed in a second-stage stratum of a village/block/ non-UFS town or OG /segment of sample FSU

e = number of enterprises surveyed in a second-stage stratum of a village/block/ non-UFS town or OG /segment of sample FSU

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

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

Under the above symbols,

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

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

## 1.2A Formulae for estimation of aggregates for a particular sub-sample and stratum in rural / urban sector in case of Area Frame:

### 1.2A.1 Schedules 2.345:

#### 1.2A.1.1 Rural:

Estimation formula for a sub-stratum:

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

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

(ii) For all selected enterprises:

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

#### 1.2A.1.2 Urban:

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

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

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

(ii) For all selected enterprises:

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

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

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

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

(ii) For all selected enterprises:



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

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

above formulae may be replaced by  $\frac{L_{i9j}}{e_{i9j}} \sum_{k=1}^{e_{i9j}} y_{i9jk}$ , where  $L_{i9j}$  = (number of enterprises of segment 9 with survey code 1) + (number of enterprises of segment 9 with survey code 3 and reason for casualty codes 4 & 9).

$L_{i9j} = e_{i9j}$  if there was no casualty or there was casualty but with reason for casualty code as 1/ 2/ 3/ 5.

#### 1.2A.2 Estimate for a stratum:

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

#### 1.2A.3 Overall Estimate for Aggregates for Area Frame:

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

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

#### 1.2A.4 Overall Area Frame Estimate of Aggregates at State/UT/all-India level:

The overall estimate  $\hat{Y}$  at the State/ UT/ all-India level was obtained by summing the area frame estimates ( $\hat{Y}_s$ ) of stratum over all strata belonging to the State/ UT/ all-India.

#### 1.2B Estimates from List Frame companies for Schedule 2.345 at all-India level:

$$Y = \frac{L}{L'} \sum_{l=1}^{L'} y_l,$$

where

$L$  = (number of list frame companies with survey code 1 in item 19, block 1, schedule 2.345) + (number of list frame companies with survey code 3 and reason for casualty codes 4 & 9 in item 20, block 1, schedule 2.345)

$L' = (\text{number of list frame companies with survey code 1 in item 19, block 1, schedule 2.345})$

L and L' was equal if there was no casualty or there was casualty but the reason for casualty code was 1/2/3/5 in item 20, block 1, schedule 2.345.

Estimates were generated for any NIC category, Division, Group etc., by restricting l, L, L' to that particular domain.

### 1.2C Estimates for List Frame companies for Schedule 2.345 at *sector* × *State/UT* level:

Estimate were generated for rural/urban sector of State/UT by taking into account the information provided in block 7.1 for branches. Following procedure was adopted:

- (i) If a list frame company had no branch, then its *sector* × *State/UT* was determined by the location given in the list frame of companies.
- (ii) If a list frame company had branches over different sectors and States/UTs, estimates of any aggregate (e.g. GVA etc.) for any *sector* × *State/UT* were obtained **in a proportionate manner**. The proportion was the ratio of the number of workers of the company (taking into account all the branches) located in a particular *sector* × *State/UT* (to be obtained from block 7.1) to the total number of workers of the company given in column (5) of block 7.1 against 'total' in the last row.

### 1.3 Overall Estimate of Aggregates at State/UT/all-India level for schedule 2.345:

The overall estimate  $\hat{Y}$  at the State/ UT/ all-India level for the schedule 2.345 was obtained by summing the area frame estimates and list frame estimates of aggregates for the State/ UT/ all-India.

### 1.4 Estimates of Ratios:

Let  $\hat{Y}$  and  $\hat{X}$  be the overall estimate of the aggregates Y and X (sum of area frame and list frame estimates) for two characteristics y and x respectively at the State/ UT/ all-India level.

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

**1.5 Estimates of Error:** There was no sampling for the list frame enterprises since it was the census of all units. The variance comprised only that due to area frame units. The estimated variances of the estimates were as follows:

#### 1.5.1 For aggregate $\hat{Y}$ :

$$V \hat{r}(\hat{Y}) = \sum_s V \hat{r}(\hat{Y}_s)$$

where  $V \hat{r}(\hat{Y}_s)$  are as given below.

1.5.1.1 For strata with PPSWR selection at first stage:

$$Var_{ppswr}(\hat{Y}_s) = \left[ \sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} \left( \frac{Z_{sti} \hat{Y}_{sti}}{Z_{sti}} - \hat{Y}_{st} \right)^2 \right],$$

where  $\hat{Y}_{sti} = \sum_j \hat{Y}_{stij}$  and

$$\hat{Y}_{stij} = \left[ \sum_{k=1}^{e_{sti9j}} y_{sti9jk} + \frac{E_{sti1j}}{e_{sti1j}} \sum_{k=1}^{e_{sti1j}} y_{sti1jk} + D_{sti}^* \times \frac{E_{sti2j}}{e_{sti2j}} \sum_{k=1}^{e_{sti2j}} y_{sti2jk} \right]$$

1.5.1.2 For strata with SRSWOR selection at first stage:

$$Var_{srswor}(\hat{Y}_s) = \sum_t \frac{1}{4} (\hat{Y}_{st1} - \hat{Y}_{st2})^2,$$

where  $\hat{Y}_{st1}$  and  $\hat{Y}_{st2}$  are the estimates for sub-sample 1 and sub-sample 2 respectively for stratum 's' and sub-stratum 't'.

1.5.2 For ratio  $\hat{R}$ :

$$M\hat{S}E(\hat{R}) = \frac{1}{(\hat{X})^2} \left[ \sum_s M\hat{S}E_s(\hat{R}) + \sum_{s'} M\hat{S}E_{s'}(\hat{R}) \right]$$

where s, s' indicate respectively the strata with PPSWR and SRSWOR selection at first stage.

1.5.2.1 For strata with PPSWR selection at first stage:

$$M\hat{S}E_s(\hat{R}) = \sum_t \frac{1}{n_{st}(n_{st}-1)} \sum_{i=1}^{n_{st}} \left[ \frac{Z_{sti}}{Z_{sti}} (\hat{Y}_{sti} - \hat{R} \hat{X}_{sti}) - (\hat{Y}_{st} - \hat{R} \hat{X}_{st}) \right]^2$$

where

$$\hat{Y}_{sti} = \sum_j \hat{Y}_{stij}, \quad \hat{X}_{sti} = \sum_j \hat{X}_{stij},$$

and

$$\hat{Y}_{stij} = \left[ \sum_{k=1}^{e_{sti9j}} y_{sti9jk} + \frac{E_{sti1j}}{e_{sti1j}} \sum_{k=1}^{e_{sti1j}} y_{sti1jk} + D_{sti}^* \times \frac{E_{sti2j}}{e_{sti2j}} \sum_{k=1}^{e_{sti2j}} y_{sti2jk} \right],$$

$$\hat{X}_{stij} = \left[ \sum_{k=1}^{e_{sti9j}} x_{sti9jk} + \frac{E_{sti1j}}{e_{sti1j}} \sum_{k=1}^{e_{sti1j}} x_{sti1jk} + D_{sti}^* \times \frac{E_{sti2j}}{e_{sti2j}} \sum_{k=1}^{e_{sti2j}} x_{sti2jk} \right]$$

1.5.2.2 For strata with SRSWOR selection at first stage:

$$M\hat{S}E_s(\hat{R}) = \sum_t \frac{1}{4} \left[ (\hat{Y}_{s't1} - \hat{Y}_{s't2})^2 + \hat{R}^2 (\hat{X}_{s't1} - \hat{X}_{s't2})^2 - 2\hat{R}(\hat{Y}_{s't1} - \hat{Y}_{s't2})(\hat{X}_{s't1} - \hat{X}_{s't2}) \right]$$

where  $\hat{Y}_{s't1}$  and  $\hat{Y}_{s't2}$  are the estimates for sub-sample 1 and sub-sample 2 respectively for stratum 's' and sub-stratum 't'.

1.6 Estimates of RSE:

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

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

1.7 Multipliers for Area frame enterprises:

The formulae for multipliers for a sub-sample for Schedule 2.345 are given below:

sector	sub-stratum	formula for multipliers		
		segment 9	segment 1	segment 2
rural	all	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{L_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$
urban	for million plus cities	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{L_{stmi9j}}{e_{stmi9j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{Z_{st}}{n_{stmj}} \times \frac{1}{z_{stmi}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$
	for other strata	$\frac{N_{st}}{n_{stmj}} \times \frac{L_{stmi9j}}{e_{stmi9j}}$	$\frac{N_{st}}{n_{stmj}} \times \frac{E_{stmi1j}}{e_{stmi1j}}$	$\frac{N_{st}}{n_{stmj}} \times D_{stmi}^* \times \frac{E_{stmi2j}}{e_{stmi2j}}$

Note: (i) For estimating any characteristic for any domain not specifically considered in sample design, indicator variable may have been 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.
- (iii) For estimating number of villages possessing a characteristic,  $D_{smi}^* = 1$  in the relevant multipliers and there was only one multiplier for the village.

## 25 Treatment for zero cases, casualty cases etc.:

2.1 While counting the number of FSUs surveyed ( $n_{stm}$ ) in a sub-stratum, all the FSUs with survey codes 1 to 6 in schedule 0.0 were considered. In addition, if no SSU was available in the frame for a particular schedule, then also that FSU was treated as surveyed in respect of that schedule. 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 had to be treated as casualty and it was not treated as surveyed in respect of that schedule.

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

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

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

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

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

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

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

3.1 A sub-stratum might be void because of the casualty of all the FSUs belonging to the sub-stratum. This might have occurred in one sub-sample or in both the sub-samples. If it related to only one sub-sample, then estimate for the void sub-stratum might have been replaced with the estimate as obtained from the other sub-sample for the same sub-stratum.

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

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

- i) If one of the rural sub-strata 1, 2, 3, 4, etc. was void then it might be merged with a sub-stratum having the next higher population size class of villages within the same district. Sub-stratum 1 might be merged with sub-stratum 2, sub-stratum 2 with sub-stratum 3 and so on. If last sub-stratum was void, it was merged with the previous sub-stratum.
- (ii) In the case of urban million plus cities, if any of sub-stratum 1/2/3/4 cities was void then it might be merged with sub-stratum 5 of the same stratum. If sub-stratum 5 was void, it might be merged with sub-stratum 6 and vice versa. If sub-stratum 7 was void, it might be merged with sub-stratum 6.
- (iii) In the case of other urban strata, if sub-stratum 1 was void, it might be merged with sub-stratum 2 and vice versa. If sub-stratum 3 was void, instruction was issued to contact SDRD for necessary guidelines.
- (iv) If all the sub-strata in a district were void, it might have been excluded from the coverage of the survey. The state level estimates were based on the estimates of districts for which estimates were available and remarks to that effect were added in appropriate places.

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

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

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

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

6.3 It may be noted that allocation of sample FSUs was not done according to sub-stratum  $\times$  sub-round. Hence all the sub-rounds were not represented in a sub-stratum. Sub-round wise estimates, therefore, cannot be generated without merging the sub-strata.

Appendix C  
Schedule 2.345



RURAL	*
URBAN	

CENTRAL	*
STATE	

**GOVERNMENT OF INDIA**  
**NATIONAL SAMPLE SURVEY ORGANISATION**  
**SOCIO-ECONOMIC SURVEY**  
**SIXTY-THIRD ROUND: JULY 2006 – JUNE 2007**

**SCHEDULE 2.345: SERVICE SECTOR ENTERPRISES (EXCLUDING TRADE)**

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

[1] identification of sample enterprise										
item no.	item	code				item no.	item	code		
1.	serial number of sample village/block (area frame) / company (list frame)					11.	sub – round			
						12.	sub – sample			
						13.	FOD sub-region <sup>#</sup>			
2.	frame used (list-1, area-2)					14.	segment number (1 / 2 / 9)			
3.	round number	6	3			15.	second stage stratum (code)			
4.	schedule number	2	3	4	5	16.	sample enterprise number			
5.	sample (central-1, state-2) (put '1' for list frame)					17.	informant code			
6.	sector (rural - 1, urban - 2)					18.	response code			
7.	state – region					19.	survey code			
8.	district					20.	if item 19 is 2 or 3	reason for casualty (list frame)/ substitution of original enterprise (area frame)		
9.	stratum									
10.	sub-stratum					21.	PSL no. as per ASI frame (for 'list frame' units only, if applicable)			

**CODES FOR BLOCK 1**

item 17 : **informant code** : owner/partner – 1, manager – 2, others working in the enterprise – 9

item 18 : **response code** (to be filled up after filling up the entire schedule):

informant : co-operative and capable – 1, co-operative but not capable – 2, busy – 3, reluctant – 4, others – 9

item 19 : **survey code**: original enterprise surveyed – 1, substitute surveyed – 2, casualty – 3

item 20 : **reason for**

**casualty (list frame)**: enterprise: Government/ PSU/under the coverage of ASI-1, non-operative/closed during the reference year-2, non-traceable-3, in operation during the reference year but data could not be collected-4, enterprise found to be outside survey coverage at detailed enquiry stage-5, others(specify)-9

**substitution of original enterprise (area frame)**: informant : busy – 1, not available – 2, non-cooperative – 3, enterprise found to be outside survey coverage at detailed enquiry stage-4, others – 9

\* Tick mark ( ✓ ) may be put in appropriate place.

<sup>#</sup> Not applicable for Arunachal Pradesh, Manipur, Mizoram and Tripura.

## CODES FOR BLOCK 2.1

<b>item 208: type of ownership</b>			
proprietary (male).....	1	co-operative society/ self-help group.....	5
proprietary (female).....	2	private limited company.....	6
partnership with members of the same household.....	3	public limited company.....	7
partnership between members not all from the same household...	4	others.....	9
<b>item 213: general educational level of the working owner</b>			
not literate.....	01	primary.....	04
diploma/ certificate course.....			08
literate without formal schooling	02	middle.....	05
graduate.....			10
literate but below primary.....	03	secondary.....	06
postgraduate or above.....			11
		higher secondary....	07
<b>item 217: whether accounts maintained</b>			
<b>Yes, usable books of accounts maintained,</b>			
<b>and</b> information was collected from books of accounts	1	<b>No</b> usable books of accounts maintained...	3
<b>but</b> information was collected orally.....	2		
<b>item 220: location of the enterprise</b>			
<b>within</b> household premises .....	1		
<b>outside household premises:</b>			
with fixed premises and with permanent structure.....	2	mobile market .....	5
with fixed premises and with temporary structure/kiosk/stall	3		
with fixed premises but without any structure .....	4	without fixed premises (street vendors, etc.)	6
<b>items 222 and 223: nature of problems faced, if any</b>			
non-availability of electricity connection .	01	non-availability of labour/ labour problems.....	07
power cut.....	02	fuel not available or available at exorbitant price..	08
shortage of capital.....	03	non-recovery of service charges/ fees/ credit ...	10
marketing of products/services.....	04	others .....	19
local problems/ harassment.....	05		
competition from larger units .....	06	no specific problem .....	11
<b>items 226 and 227: types of assistance received</b>			
financial loan (institutional) .....	1	marketing .....	6
financial loan (non-institutional) .....	2	procurement of raw material.....	7
subsidy.....	3	others .....	9
machinery/ equipment.....	4		
training .....	5	no assistance received from any source	8
<b>items 234 and 235: other Acts/ authorities of registration/recognition</b>			
municipal corporation, panchayat, local body..	01	directorate of education / AICTE /NCTE.....	11
Shops and establishments Act.....	02	Medical Practitioners Act.....	12
Sales Tax Act.....	03	Co-operative Societies Act.....	13
Motor Vehicles Act.....	04	Societies Act.....	14
Indian Vessels Act / Merchant Shipping Act...	05	Indian Charitable Act.....	15
RBI/NABARD/IRDA/SEBI.....	06	Cinematograph Act.....	16
bar council .....	07	Factories Act, 1948.....	17
Chartered Accountants Act.....	08		
NASSCOM.....	10	other (please specify).....	19

## Blocks to be filled and reference period by major activity and source of data

Data will be recorded from books of accounts, if maintained by the enterprise.

Major Activity	Blocks to be filled	Reference period	
		Books of Accounts	oral
Financial	1, 2.1, 2.3 (for SHG & co-op credit society), 6 to 13	FY 2005-06, if ready or	Reference month
Non-financial	1, 2.1, 2.2 (for transport), 3 to 5, 7 to 13	FY 2004-05	

Also fill block 7.1 for branch-wise data of list frame companies.

<b>[2.1] particulars of operation and background information</b>																										
was the enterprise pursuing mixed activity during reference year? (yes – 1, no – 2)												201.														
description of major activity during the reference year:																										
5-digit code as per NIC 2004												202.														
if item 201 is '1' description of <i>most important minor activity</i> during the <b>reference period</b> :																										
5-digit code as per NIC 2004												203.														
nature of operation ( <i>perennial – 1, seasonal – 2, casual – 3</i> )												204.														
number of months (in whole number) operated during the reference year												205.														
number of <b>hours</b> the enterprise normally worked <b>in a day</b>												during the reference year		206.												
												during the reference month		207.												
type of ownership (code)												208.														
did the working owner (s) undertake any other economic activity during the reference year? (yes – 1, no – 2)												209.														
was the present enterprise the major source of annual income of the working owner (s)? (yes – 1, no – 2)												210.														
if item 208 is '1' to '4'	if item 209 is '1'	if item 210 is '2'										211.														
		% of annual income of the working owner (s) derived from the enterprise under survey (in whole number)										212.														
	description of most important other activity (give 'X' if major income is from non-economic activity like pension, etc.)										213.															
	industry <b>section</b> (one of A to Q or X) as per NIC 2004										214.															
general educational level of working owner (code)												215.														
social group of working owner ( <i>ST-1, SC-2, OBC-3, others-9</i> )												216.														
total no. of EFPs of the working owner ( <i>EFP: enterprises with fixed premises</i> )												217.														
total no. of EFPs of the working owner <i>with same activity (same as item 202 at 2-digit level)</i>												218.														
whether accounts maintained (code)												219.														
data of blocks 3 to 5 (oral non. fin.)/7- 10 (B/S non. fin)/ 6-10 (fin.) collected for the period												<b>from</b>	D	D	M	M	Y	Y	<b>to</b>	D	D	M	M	Y	Y	
												218.								219.						
location of the enterprise (code)												220.														
whether private non-profit institution? (yes-1,no -2)												221.														
nature of problems faced, if any, during the reference year( <i>at most 2 codes in the order of code list</i> )												222.														
												223.														
did the enterprise undertake any work on contract basis? (yes – 1, no – 2)												224.														
major destination agency for sale of output ( <i>households-1, government- 2, resident financial enterprises-3, resident non-financial enterprises-4,NPIS-5, non-residents-6</i> )												225.														
types of assistance received during the last five years (code)												226.														
<i>(at most 2 codes may be given in descending order of the importance of assistance)</i>												227.														
enterprise type during the reference year (Own Account Enterprise-1, Establishment-2)												228.														
<b>following questions of block 2.1 may be enquired after filling data in blocks 2.2 to 11</b>																										
whether this enterprise registered/ recognised under any act/ authority? (yes – 1, no – 2)												229.														
if item 229 is '1'	whether this enterprise registered under Companies Act, 1956? (yes – 1, no – 2)												230.													
	if item 208 is '3' to '9'	Whether having a PAN for this enterprise? (yes – 1, no – 2)										231.														
		Whether having a TAN for this enterprise? (yes – 1, no – 2)										232.														
	Whether this enterprise is registered as a service tax assessee? (yes – 1, no – 2)												233.													
other Acts/authorities of registration/ recognition of this enterprise( <i>at most 2 codes in the order of code list</i> ) if item 234/235 is 19, please specify the registration agency:												234.														
												235.														

<b>[2.2] details of vehicles operated (owned) during last 30 days/ last calendar month (applicable for Land Transport (NIC 2004 class 6021, 6022 and 6023))</b>							
type of vehicle	item no.	no. of vehicles				payload capacity (in tonnes, whole no.)	total distance covered (in km)
		total	of age				
			less than 5 years	5-9 years	10 years or more		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>Freight transport by motor vehicles (NIC code 60231)</b>							
trailers	236.						
10-wheeler	237.						
6-wheeler	238.						
MCV (3 to 5 tonnes)	239.						
LCV (1.5 to 3 tonnes)	240.						
others	241.						
<b>Freight transport other than by motor vehicles (NIC code 60232)</b>							
animal drawn	242.						
others	243.						
<b>Passenger land transport by motor vehicles (NIC codes 6021, 60221)</b>							
bus/minibus	244.						
taxi/ trekker/jeep	245.						
auto-rickshaw	246.						
others	247.						
<b>Passenger land transport other than by motor vehicles (NIC codes 60222)</b>							
rickshaw/van	248.						
animal drawn carts	249.						
others	250.						

<b>[2.3] loan transactions of the Self-Help Group (NIC code 65994) / Co-operative Credit Society (NIC code 65995)</b>		
description	item no.	no. of members as on date of survey
(1)	(2)	(3)
<b>no. of members with loans outstanding (only loans taken from this enterprise will be considered)</b>	251.	
no. of members who have outstanding loan taken for	self-employment activity of self/ household member	252.
	repayment of other debts	253.
	meeting household capital expenditure like house building, etc.	254.
	meeting medical expenses of self/relatives	255.
	household expenses, including expenses on social functions	256.
	others	257.
total number of members of the society/ SHG	258.	

<b>[3] selected important operating expenses during the reference period: all non-financial enterprises</b>		
(Rs. in whole number)		
description	item no.	value (Rs)
(1)	(2)	(3)
<b>hotels and restaurants (NIC-04 group 551 and 552)</b>		
articles consumed for food & drink preparation	301.	
purchase value of goods traded	302.	
crockery, glassware, bedding and other consumables	303.	
fuels and lubricants	304.	
<b>transport (NIC-04 group 602, 611, 612, class 6301 and 6303 to 6309)</b>		
fuels and lubricants	305.	
tyres, tubes, batteries, etc.	306.	
repair and maintenance of transport equipment	307.	
toll tax, octroi, local fees, insurance charges, etc.	308.	
charges paid towards storage of goods	311.	
<b>storage (NIC-04 class 6302)</b>		
consumables used in the storage/warehouse	312.	
insurance charges etc.	313.	
<b>communications (NIC-04 group 641 and 642)</b>		
call charges and rent payable (local call/ STD / ISD, cyber café, radio paging, cellular etc.)	314.	
insurance charges	315.	
<b>real estate, renting and business activities (NIC-04 division 70 - 74 excluding 70103)</b>		
maintenance of building, machinery and equipment	316.	
travelling, hospitality, etc.	317.	
<b>education (NIC-04 group 801, 802, 803 and 809)</b>		
recurring expenses on laboratory and library	318.	
recurring expenses on newspaper, journals, paper, printing, stationery etc.	321.	
expenses on festivals like annual day, teachers' day, health check-up, etc.	322.	
expenses on consumables used in computer, Xerox, cyclostyle, etc.	323.	
<b>health and social work (NIC-04 group 851, 852 and 853)</b>		
diet of patients	324.	
medicine and drugs	325.	
consumables used in operation theatre, sophisticated equipments, pathological, radiological and other diagnostic tests	326.	
syringes, intra veins drip sets, cotton bandages, plastering materials and other disposables	327.	
uniforms, linen and laundry materials	328.	
health camps, seminar, workshop, awareness programmes and other social activities	331.	
training, meeting, documentation, publication, nutritional expenses	332.	
<b>total (items 301 to 332)</b>	<b>339.</b>	

*No separate sub-block has been kept for other community, social and personal services (NIC-04 divisions 90 to 93). All expenses of these enterprises are to be reported in blocks 3.1 and 5.*

<b>[3.1] other operating expenses during the reference period: all non-financial enterprises</b>		
(If some of the items have already been covered under specific activities in block 3, they should not be reported here again. Expenditures and appropriations to be recorded in block 5 will also not appear here)		
(Rs. in whole number)		
description	item no.	value (Rs.)
(1)	(2)	(3)
electricity charges	341.	
fuels and lubricants ( <i>please avoid duplication with items 304 and 305</i> )	342.	
raw materials consumed for own construction of building, furniture and fixtures ( <i>please check consistency with item 442</i> )	343.	
minor repair and maintenance of ( <i>major repairs will not appear here</i> )	building	344.
	plant and machinery	345.
	transport equipment	346.
	software and hardware	347.
	tools and other fixed assets	348.
rent payable on fixed assets (other than land and building)	351.	
service charges for work done by other concerns (contract, sub-contract, legal, audit, advertising and other accounting services, warehousing expenses, commission expenses, etc.)	352.	
travelling, freight and cartage (transport) expenses	353.	
communication expenses (telephone, telegram, fax, postal, courier, e-mail, etc.) ( <i>please avoid duplication with item 314</i> )	354.	
consumable stores, packing materials, etc.	355.	
newspaper, journal, paper, printing and stationery expenses (other than educational enterprises)	356.	
taxes on products (VAT, excise, sales tax, service tax, etc. excluding income tax) ( <i>taxes on production will be recorded in item 508, not here</i> )	357.	
royalties payable (excluding royalties on land and subsoil assets like minerals extracted)	358.	
insurance charges payable	361.	
purchase value of materials consumed for manufacturing or goods incidental to manufacturing, if any ( <i>please check consistency with item 431</i> )	362.	
purchase value of goods for trading, if any ( <i>please check consistency with items 432 to 434</i> )	363.	
cosmetics, toiletry and laundry articles	364.	
other expenses (customer entertainment, etc.)	365.	
<b>total (items 341 to 365)</b>	<b>369.</b>	

<b>[4] selected important receipts during the reference period: all non-financial enterprises</b>		
(Rs. in whole number)		
description	item no.	value (Rs)
(1)	(2)	(3)
<b>hotel and restaurant activity (NIC-04 group 551 and 552)</b>		
lodging charges, rent receivable for hiring out rooms and halls for functions, conferences and receipts from services provided like transport / travel arrangements, laundry services, gym, spa, hair dressing, swimming pool, entertainment, etc.	401.	
receipts from sale of prepared food, refreshment and drinks	402.	
receipts from trading of purchased food, refreshment, drinks, etc.	403.	
receipts from catering services outside	404.	
<b>transport (NIC-04 group 602, 611, 612, class 6301 and 6303 to 6309)</b>		
earnings from passenger traffic	405.	
earnings from goods traffic	406.	
earnings of commissions for booking agents	407.	
<b>storage (NIC-04 class 6302)</b>		
storage charges receivable	408.	
<b>communications (NIC-04 group 641 and 642)</b>		
charges receivable from customers (STD / ISD / courier/ fax / internet etc.)	411.	
<b>real estate, renting and business activities (NIC-04 division 70 – 74 excluding 70103)</b>		
receipts from services provided (including rent on land and building)	412.	
brokerage and commission charges	413.	
<b>education (NIC-04 group 801, 802, 803 and 809)</b>		
tuition fees	414.	
other fees (including development fees, transport fees, laboratory fees, examination fees, fines, library fee, etc.)	415.	
funding/ donations from individuals and non-govt. institutions ( <i>transfer of such capital receipts will be recorded in item 552, govt grants and subsidies will be recorded in items 446, 447 &amp; 551, not here</i> )	416.	
<b>health and social work (NIC-04 group 851, 852 and 853)</b>		
consultation fees and charges for medicines	417.	
charges for operation theatre and other special procedures	418.	
charges for ward / cabin, pathological, radiological and other diagnostic tests, diet, nursing, physiotherapy and rehabilitation etc.	421.	
fees for training (nurses, paraprofessionals, etc.)	422.	
funding/ donations from individuals and non-govt. institutions ( <i>transfer of such capital receipts will be recorded in item 552, govt grants and subsidies will be recorded in items 446, 447 &amp; 551, not here</i> )	423.	
<b>total (items 401 to 423)</b>	<b>429.</b>	

No separate sub-block has been kept for other community, social and personal services (NIC-04 codes 90 to 93). All receipts of these enterprises are to be reported in blocks 4.1 and 5.

<b>[4.1] other receipts during the reference period : all non-financial enterprises</b>		
(The overall receipts of the enterprise will be recorded here. If some items have already been covered under specific activities in block 4, they should not be reported here again. Items of earnings appearing in block 5 should not be recorded here)		
description	item no.	value (Rs.)
(1)	(2)	(3)
<b>manufacturing and trading</b>		
receipts from sale of goods manufactured or incidental to manufacturing ( <i>please check consistency with item 362</i> )	431.	
<i>(please check consistency with item 363)</i>	receipts from sale of goods traded	432.
	<b>closing</b> stock of trading goods	433.
	<b>opening</b> stock of trading goods	434.
	change in stock of trading goods (item 433 – item 434) [put (-) sign in case of negative value]	435.
<b>total (item 431+ item 432+ item 435)</b>	439.	
<b>other receipts</b>		
receipts from services provided to others including commission charges	441.	
value of own construction of building, furniture and fixtures including own and hired labour charges ( <i>please check consistency with item 343</i> )	442.	
value of consumption of goods/services produced or traded for own use of the owner or employees (at owner's cost) ( <i>please check consistency with items 801 to 804</i> )	443.	
rent receivable on fixed assets (other than land and building)	444.	
funding/ donations from individuals and non-govt. institutions <sup>&amp;</sup> ( <i>transfer of such capital receipts will be recorded in item 552, govt grants and subsidies will be recorded in items 446, 447 &amp; 551, not here</i> )	445.	
Govt. grants ( <i>excluding capital transfers like building fund, etc.</i> )	446.	
production subsidy/ interest subsidy	447.	
other receipts (e.g., royalty receipts <i>excluding</i> royalty receipts on land and subsoil assets like minerals, etc.)	448.	
<b>total (items 441 to 448)</b>	449.	

<sup>&</sup> funding/donations for education, health and social work activities reported in respective items of block 4 should not be repeated here. Donations against which the payee does not receive any service will be recorded in item 537, not in blocks 4 or 4.1.

<b>[4.2] calculation of gross value added for the reference period: all non-financial enterprises</b>		
description	item no.	value (Rs.)
(1)	(2)	(3)
total receipts [items (429+439+449)]	451.	
total operating expenses [items (339+369)]	452.	
distributive expenses, if any <sup>@</sup>	453.	
<b>gross value added (item 451 - item 452 – item 453)</b> [put (-) sign in case of negative value] <sup>#</sup>	<b>459.</b>	

<sup>#</sup> in case of negative value added give reason code (and explanation, for code 9) in **block 12** after deep probing.

<sup>@</sup> if value of receipts are reported at ex-factory value, distributive expenses will be zero.



[5] other receipts/expenditures during the reference period: all non-financial enterprises			(Rs. in whole number)
description	item no.	value (Rs.)	
(1)	(2)	(3)	
<b>expenditure and appropriations</b>			
interest payments	501.		
dividend payments	502.		
rent payments on land and building	503.		
royalties payments on land and subsoil assets like minerals, etc.	504.		
donations, <i>puja</i> expenses, etc.	505.		
loss on exchange	506.		
loss due to sale of investments (both fixed and financial assets)	507.		
taxes on production (e.g., land and building tax, municipal tax, water tax, registration fee and annual road tax for vehicles, license fees, cess charged by local bodies, etc. <i>excluding</i> excise duties and other indirect taxes)	508.		
provisions for income tax	511.		
written off and provisions for bad and doubtful debts	512.		
transfer to reserves	513.		
transfer to balance sheet	514.		
<b>total (items 501 to 514)</b>	<b>519.</b>		
transfer of capital expenses	521.		
<b>earnings</b>			
interest receipts	531.		
dividend receipts	532.		
rent receipts from land and building ( <i>for NIC division 70, i.e., real estate and renting activities, this will be recorded in item 412, not here</i> )	533.		
royalty receipts on land and subsoil assets like minerals, etc.	534.		
insurance claims	535.		
refund of income tax	536.		
donations, <i>puja</i> , etc.	537.		
gain on exchange	538.		
income due to sale of investments (both fixed and financial assets)	541.		
excess provision written back	542.		
transfers from reserves	543.		
balance brought forward from last account	544.		
<b>total (items 531 to 544)</b>	<b>549.</b>		
transfer of capital receipts	Govt.	551.	
	others	552.	
provisions for depreciation	553.		

*#Data from blocks 3 to 4.1 will not be duplicated in this block.*

*donation, puja: payments against which the payee does not receive any goods or services*

*transfer of capital expenses: non-compulsory donations paid by the enterprise for formation of assets*

*transfer of capital receipts: government grants and other non-compulsory donations received by the enterprise for formation of assets like building, furniture, laboratory equipment, etc.*

<b>[6] gross value added during the reference period: all financial enterprises (NIC 2004 codes 659 and money lending from own source (65925), Self-Help Group (65994), co-operative credit societies (65995)), 66, 67</b>		
(Rs. in whole number)		
description	item no.	value (Rs)
(1)	(2)	(3)
<b>Expenses</b>		
interest payments	601.	
rent payments ( <i>excluding</i> land and building)	602.	
commission & brokerage	603.	
bank charges	604.	
DEMAT charges	605.	
repair and maintenance (building, transport equipment, office equipment, etc.)	606.	
taxes on products (e.g., VAT, excise, sales tax, service tax, etc.)	607.	
insurance	608.	
advertisement	611.	
service charges for work done by other concerns (contract, sub-contract, legal, audit, accounting services, etc.)	612.	
others (e.g., electricity, communication, travelling, printing, expenses on non-financial activities, if any but <i>excluding</i> bad debts, provisions for bad debts, diminution in value of investments and other provisions)	613.	
<b>total (items 601 to 613)</b>	<b>619.</b>	
donations, <i>puja</i> expenses ( <i>excluding</i> capital transfers like building fund, etc.)	621.	
taxes on production (e.g., land and building tax, municipal tax, water tax, registration fee and annual road tax for vehicles, license fees, cess charged by local bodies, etc. <i>excluding</i> excise duties and other indirect taxes)	622.	
written off and provisions for bad and doubtful debts	623.	
other provisions ( <i>excluding</i> provision for tax and depreciation)	624.	
<b>Receipts</b>		
interest receipts (cash and kind)	631.	
dividend receipts	632.	
net profit in share dealing (put '-' in case of loss)	633.	
net earnings from hire purchase finance (put '-' in case of loss)	634.	
lease income	635.	
brokerage & commission	636.	
bill discounting	637.	
merchant banking/under writing	638.	
income earned on chit funds	641.	
rent receipts ( <i>excluding</i> land and building)	642.	
others (e.g., consultancy, receipts from non-financial activities, if any but <i>excluding</i> excess provision written back)	643.	
Govt. grant ( <i>excluding</i> capital transfers like building fund, etc.)	644.	
production subsidy/ interest subsidy	645.	
<b>total (items 631 to 645)</b>	<b>649.</b>	
<b>gross value added (item 649 – 619)</b>	<b>659.</b>	
excess provision written back	661.	

Note: Data from blocks 3 to 5 will not be collected but data for all the blocks 6 to 10 will be collected for these enterprises.

[7] employment particulars of the enterprise/company during the reference period				
Did the list frame company have branch office? (Yes-1, No-2)		701.		
put '-' for area frame enterprises				
If item 701 is '1', also fill-in block 7.1 for branch-wise information on no. of workers and total receipts/ income				
type of worker		item no.	average number of workers of the surveyed enterprise (consider entire company in case of list frame)	
(1)		(2)	(3)	
female	full-time	working owner	702.	
		hired worker	703.	
		other worker / helper	704.	
	part-time	working owner	705.	
		hired worker	706.	
		other worker / helper	707.	
male	full-time	working owner	711.	
		hired worker	712.	
		other worker / helper	713.	
	part-time	working owner	714.	
		hired worker	715.	
		other worker / helper	716.	
total (items 702 to 716)		719.		
if item 215 is > 1, no. of workers of this enterprise (i.e., those recorded in item 719) who also work in other EFPs of the working owner (EFP: enterprise with fixed premises)			721.	
if item 216 is > 1, no. of workers of this enterprise (i.e., those recorded in item 719) who also work in other EFPs of the working owner having the same activity			722.	

[8] compensation to workers during the reference period			
type of emoluments		item no.	value (Rs.)
(1)		(2)	(3)
salary/ wages, allowances and other individual benefits (cash & kind including bonus, retirement benefits, etc. apportioned for the reference period)	working owners	801.	
	hired workers	802.	
imputed value of group benefits (including employer's contribution towards canteen, sports, insurance, etc.)	working owners	803.	
	hired and other workers	804.	
total emoluments (items 801 to 804)		809.	

Notes: For entries in block 8, consider all workers reported in block 7.

Check consistency of item 802 with items 703, 706, 712 and 715; items 801/803 with items 702, 705, 711 and 714.

Entry in items 801 to 804 includes entry in item 443.

<b>[9] assets of the enterprise</b>						
type of assets	serial no.	net book value (if data is from balance sheet)/ market value (if data is not from balance sheet) of <b>owned assets</b> (Rs.)				rent payable on <b>hired assets</b> during reference <b>period</b> (Rs.)
		as on first day of the reference year <sup>@</sup>	as on last day of the reference year	additions during the reference year (Rs.)	deductions during the reference year (Rs.)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>fixed assets</b>						
land and building	901.					
plant and machinery	902.					
transport equipment	903.					
software and hardware	904.					
tools and other fixed assets	905.					
capital work in progress	906.					
<b>total (items 901 to 906)</b>	909.					
<b>investments</b>						
investments (other than trade)	911.					
loans to members	912.					
<b>current assets, loans and advances</b>						
inventories (physical and financial)	913.					
loans and advances	914.					
others	915.					
<b>total (items 911 to 915)</b>	919.					
interest/ dividend receivable during the reference year (Rs.)				921.		
<b>capital gain</b> during the reference year (Rs.)				922.		
<b>capital loss</b> during the reference year (Rs.)				923.		

<sup>@</sup> column 3 will be recorded only for enterprises where data is provided from the books of accounts

Fixed assets: additions can be through purchase, own construction, received otherwise, etc. and deductions can be through sold, discarded, theft, damage, etc.

Investments (other than trade) include quoted and unquoted shares, units of mutual funds, government securities, fixed deposits, debentures, etc.

Current assets, loans and advances: others include cash and bank balances, sundry debtors, etc.

<b>[10] financial liabilities</b>			
(Rs. in whole number)			
type of liability	serial no.	principal amount outstanding as on the last date of reference year (Rs.)	interest/ dividend payable during the reference period (Rs.)
(1)	(2)	(3)	(4)
<b>share capital</b>			
partners' capital	1001. #		
share capital (paid-up) and share application money	1002. *		
reserve and surplus, share premium and other reserve funds	1003. @		
<b>loan funds</b>			
long term interest-free loans	1004.		
central and state level term lending institutions, government (central, state, local bodies), banks & societies (public sector, commercial, co-operative)	1005.		
other institutional agencies	1006.		
member's funds	1007.		
fixed deposits	1008.		
moneylenders	1011.		
business partner(s)/ inter-corporate loan	1012.		
suppliers / contractors	1013.		
others (debentures, etc.)	1014.		
<b>current liabilities and provisions</b>			
sundry creditors	1015.		
other provisions	1016.		
<b>total (items 1001 to 1016)</b>	1019.		
<b>authorised share capital (Rs.)</b>	<b>1021. *</b>		

#item 1001 is applicable only for partnership enterprises, i.e., if code in item 208 is 3 or 4

\*items 1002 and 1021 are applicable only for co-operative societies and companies, i.e., if code in item 208 is 5, 6, 7 or 9

@item 1003 is applicable only for partnership enterprises, co-operative societies and companies, i.e., if code in item 208 is 3, 4, 5, 6, 7 or 9

sundry creditors: creditors for supplies, other finances, etc.

other provisions: bills payable, advance payments received on supplies to be made by the enterprise, credit balance with sister concerns, provisions for taxation, leave encashment, diminution in value of investments, etc.

<b>[11] particulars of field operations</b>																			
srl. no.	particulars	investigator/ senior investigator				senior investigator/ superintendent				superintendent/ senior superintendent									
(1)	(2)	(3)				(4)				(5)									
1101.	(i) name in block letters																		
	(ii) code																		
1102.	total time taken to canvass Sch. 2.345 (minutes)																		
	date(s) of	D	D	M	M	Y	Y	D	D	M	M	Y	Y	D	D	M	M	Y	Y
1103.	(i) survey / inspection																		
1104.	(ii) receipt																		
1105.	(iii) scrutiny																		
1106.	(iv) despatch																		
	signature																		

<b>[12] remarks by investigator/ senior investigator</b>	
1201. Is entry in either of the items 459 or 659 negative? (Yes, negative-1, No, positive-2)	<input type="checkbox"/>
1202. If item 1201 is '1', reason (output during reference period much less than op. expenses-1, new unit with insufficient output-2, loss of output due to fire, theft, etc-3, high previous year expenses accounted in present year(for books of accounts only)-4, others (specify in detail giving the actual reason)-9)	<input type="checkbox"/>
1203. Was data collected from the balance sheet and Profit and Loss accounts? (Yes-1, No-2)	<input type="checkbox"/>
1204. If item 1203 is '1', has it been attached with this schedule? (Yes-1, No-2)	<input type="checkbox"/>
If item 1204 is '2', reason:	
Other remarks:	

<b>[13] comments by supervisory officer(s)</b>

serial no. of list frame company (same as item 1 of block 1): 

9				
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page no.: 

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 (continuous numbers starting from 15)

<b>[7.1] branch<sup>#</sup>-wise details on workers and income of companies appearing in the list-frame</b> (consider all the branches for which data has been recorded in blocks 3 to 10) (use additional sheets, if necessary)					
srl. no.	name and address of branch	State code*	sector code <sup>@</sup>	no. of workers	total receipts/ income <sup>&amp;</sup> (Rs.)
(1)	(2)	(3)	(4)	(5)	(6)
<b>total</b>					

<sup>#</sup> 'Branch' includes registered office, head office, service centres, company sales outlets, etc.  
<sup>&</sup> Strike off whichever is not applicable. Either receipts will be recorded for all the branches or income will be recorded for all the branches in Indian rupees.  
<sup>@</sup> Sector code: rural-1, urban-2.  
<sup>\*</sup> State codes:  
 Andaman & Nicobar Islands-35, Andhra Pradesh-28, Arunachal Pradesh-12, Assam-18, Bihar-10, Chandigarh-04, Chhattisgarh-22, Dadra & Nagar Haveli-26, Daman & Diu-25, Delhi-07, Goa-30, Gujarat-24, Haryana-06, Himachal Pradesh-02, Jammu & Kashmir-01, Jharkhand-20, Karnataka-29, Kerala-32, Lakshadweep-31, Madhya Pradesh-23, Maharashtra-27, Manipur-14, Meghalaya-17, Mizoram-15, Nagaland-13, Orissa-21, Pondicherry-34, Punjab-03, Rajasthan-08, Sikkim-11, Tamil Nadu-33, Tripura-16, Uttaranchal-05, Uttar Pradesh-09, West Bengal-19.

For all branches located outside India, state code will be '40'  
 Total workers, income/receipts will correspond to the entire company. Total of workers recorded in column 5 should be equal to item 719 of block 7.