Government of Kerala

# STATISTICAL ABSTRACT 2019

Department of Economics & Statistics

പിണറായി വിജയൻ
മുഖ്യമന്ത്രി

കേരള സർക്കാർ

സെക്രട്ടേറിയേറ്റ്
തിരുവനന്തപുരം 695 001

നം.205/പ്രസ്/സി.എം.ഒ/2019.

ഫെബ്രുവരി 16, 2019.

## സന്ദേശം

സർക്കാരിന്റെ നയരൂപീകരണത്തിനും പദ്ധതി ആസൂത്രണത്തിനും ആവശ്യമായ അടിസ്ഥാന സ്ഥിതിവിവരക്കണക്കുകളുടെ വിശകലനവും അപഗ്രഥനവും നടത്തി വിവധ വകുപ്പുകൾക്ക് ലഭ്യമാക്കുന്നതിനായി സാമ്പത്തിക സ്ഥിതിവിവരക്കണക്ക് വകുപ്പ് 'സ്റ്റാറ്റിസ്റ്റിക്കൽ സംഗ്രഹം 2019' പ്രസിദ്ധീകരിക്കുന്നു എന്നറിഞ്ഞതിൽ സന്തോഷം.

കേരള സമൂഹത്തിന്റെ സ്ഥിതിവിവരക്കണക്ക് സംബന്ധിച്ച് സാമ്പത്തിക സ്ഥിതിവിവരക്കണക്ക് വകുപ്പ് തയ്യാറാക്കിയിട്ടുള്ള 'സ്റ്റാറ്റിസ്റ്റിക്കൽ സംഗ്രഹം' ആസൂത്രണ, നയരൂപീകരണ, ഭരണ രംഗത്ത് പ്രവർത്തിക്കുന്നവർക്കും ഡാറ്റ ഉപയോക്താൾക്കും സഹായകമാവുമെന്ന് പ്രതീക്ഷിക്കുന്നു. എല്ലാ ഭാവുകങ്ങളും നേരുന്നു.

പിണറായി വിജയൻ

**ഡോ. കെ. ടി ജലീൽ**
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## സന്ദേശം

സാമ്പത്തിക സ്ഥിതിവിവര കണക്ക് വകുപ്പ് വിവിധ മേഖലകളുമായി ബന്ധപ്പെട്ട വിഷയങ്ങളിൽ നടത്തുന്ന സർവ്വെ ഫലങ്ങൾ അപഗ്രഥിച്ച് ആസൂത്രണവും ഭരണപരവുമായ നടപടികൾ സ്വീകരിക്കുന്നതിന് മറ്റു വകുപ്പുകൾക്ക് സഹായകരമാകുന്ന തരത്തിൽ 'സ്റ്റാറ്റി സ്റ്റിക്കൽ സംഗ്രഹം 2019' തയ്യാറാക്കുന്നത് പ്രശംസനീയമാണ്.

സർക്കാരിന്റെ നയരൂപീകരണത്തിനും പദ്ധതി ആസൂത്രണത്തിനും ശരിയായ വിവരങ്ങൾ യഥാസമയം വിശകലനം ചെയ്ത് വകുപ്പുകൾക്ക് ലഭ്യമാക്കുക എന്ന ഉദ്ദേശത്തോടെ സാമ്പത്തിക സ്ഥിതിവിവരകണക്ക് വകുപ്പ് ഏറ്റെടുത്തിരിക്കുന്ന ദൗത്യം മാതൃകാപരമാണ്. ഭരണരംഗത്ത് ഔദ്യോഗിക സ്ഥിതിവിവരകണക്കുകളുടെ ഉപയോഗം പരമാവധി പ്രയോജനപ്പെടുത്തേണ്ടതാണ്. സാമ്പത്തിക സ്ഥിതിവിവരകണക്ക് വകുപ്പിന്റെ ഈ സംരംഭത്തിന് എല്ലാവിധ ആശംസകളും നേരുന്നു.

ഡോ. കെ. ടി. ജലീൽ

# Preface

The Department of Economics & Statistics is the nodal Agency of the State responsible for the systematic collection, compilation, analysis and dissemination of the official statistics in the State. The department collects statistics pertaining to various demographic and socio-economic aspects of the State Economy. These statistics are collected mainly through sample surveys, censuses and from administrative records of other departments. Department of Economics & Statistics publishes a range of reports based on the data collected through the surveys and disseminate through the official Website also.

This Statistical Abstract presents a comprehensive summary of statistics collected through the Department of Economics & Statistics. It is designed to serve as a statistical reference. I hope that this publication will be useful for administrators for decision making and effective evidence based administration.

I express my deep gratitude to all officers who are behind the "Statistical Abstract-2019" for their sincere efforts to bring out the Abstract in this manner.

Suggestions for improvement are highly appreciable.

Thiruvanathapuram
21/02/2019

V. Ramachandran
Director General

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| 3 | Chief Engineer, PWD (B&LW) | Public office, Thiruvananthapuram | 0471- 2322946 |
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| 5 | Commissionerate of Rural Development | SwarajBhavan, Nathencode, Thiruvananthapuram | 0471- 2317781 |
| 6 | Commissionerate of State Land Use Board | 1st Floor, VikasBhavan, Thiruvananathapuram | 0471- 2307830 |
| 7 | Commissionerate of Commercial Taxes | Txes Tower, Killipalam, Karamana P.O., Thiruvananthapuram | 0471- 2324827 |
| 8 | Commissionerate of Civil Supplies | Public Office, Thiruvananthapuram | 0471- 2322863 |
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| 10 | Department of Town & Country Planner | SwarajBhavan, Nanthencode, Thiruvananthapuram | 0471- 2321447,(Ext) 260,261 |

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| 12 | Directorate of Animal Husbandry | 6th Floor, VikasBhavan, Thiruvananthapuram | 0471- 2303683 |
| 13 | Directorate of Collegiate Education | 6th Floor, VikasBhavan, Thiruvananthapuram | 0471- 2303107 |
| 14 | Directorate of Dairy Development | Pattom, Thiruvananthapuram | 0471- 2445799 |
| 15 | Directorate of Fisheries | 4th Floor, VikasBhavan, Thiruvananthapuram | 0471- 2304348 |
| 16 | Directorate of Handloom and Textiles | 6th Floor, VikasBhavan, Thiruvananthapuram | 0471- 2302892 |
| 17 | Directorate of Health Services | General Hospital Junction, Thiruvananthapuram | 0471- 2519229, 2519237 |
| 18 | Directorate of Industries and Commerce | 3rd Floor, VikasBhavan, Thiruvananthapuram | 0471- 2302774 |
| 19 | Directorate of Insurance Medical Service | Thycaud, Thiruvananthapuram | 0471- 2323960 |
| 20 | Directorate of Panchayath | Public Office, Thiruvananthapuram | 0471- 2321280, 2321053 |
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| 22 | Directorate of Scheduled Caste Development | AyyankaliBhavan, Vellayambalam, Thiruvavanthapuram | 0471- 2369607 |
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| 26 | Directorate of Urban Affairs | Public office, Thiruvananthapuram | 0471- 2320493 |
| 27 | Drugs Controller | Red Cross Road, Vanchiyoor P.O., Thiruvananthapuram | 0471- 2471896 |
| 28 | Epidemiology Centre | | 0471- 2476962 |
| 29 | Finance (SFC cell), Secretariat | Government Secretariat, Thiruvananthapuram | |

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| 31 | Health and Family Welfare Training Centre | Thycaud, Thiruvananthapuram | 0471- 2324301 |
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| 35 | Motor Vehicle Department | Trans Towers, Vazhuthacaud, Thiruvananthapuram | 0471-2333314 |
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| 39 | State TB Demonstration and Training Centre | Near General Hospital, Thiruvananthapuram | 0471- 2471544 |
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| Wayanad | Sri. E.V.Premarajan | 0493 - 6202633<br>8281118417 | ddwyd.des@kerala.gov.in<br>ecostatwyd@gmail.com | District Office Economics & Statistics Wayanad, Civil Station, Kalpetta North, Wayanad Pin : 673122 |

| | | | | |
|---|---|---|---|---|
| Kannur | Sri. G.S.Rajath | 0497 - 2700405<br>8281118408 | ddknr.des@kerala.gov.in<br>ecostatknr@gmail.com | District Office, Economics & Statistics Kannur, Addl.Civil Station , Ist Floor, Kannur 670002 |
| Kasaragod | Sri. RaveendranPaleri | 04994 - 256474<br>8281118402 | ddksd.des@kerala.gov.in<br>ecostatksd@gmail.com | District Office, Economics & Statistics Kasaragod, DPC Secretariat Building Complex, Civil Station, Vidyanagar (P.O), Kasaragod 671123 |

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|---|---|---|---|---|---|
| THIRUVANANTHAPURAM | TSO, THIRUVANANTHAPURAM | Taluk Statistical Office Economics and Statistics, Vengal Building, Kesavadasapuram, Thiruvananthapuram -4 | 0471-2530142 | 8281118542 | tvpmtso@gmail.com<br>tsotvmt.des@kerala.gov.in |
| | TSO, NEYYATTINKARA | Taluk Statistical Office Neyyattinkara, Economics and Statistics, Mini Civil Station, Neyyattinkara | 0471-2223412 | 8281118543 | earasprice@gmail.com<br>tsontra.des@kerala.gov.in |
| | TSO, NEDUMANGAD | TalukStatitstical Office Nedumangad, Economics and Statistics, Revenue Tower, 5th Floor, Nedumangad | 0471-2802172 | 8281118544 | ecostatndd@gmail.com<br>tsonmgd.des@kerala.gov.in |
| | TSO, CHIRAYINKEEZHU, ATTINGAL | TalukStatitstical Office Chirayinkeezhu, Economics and Statistics, 2nd Floor, Mini Civil Station, Kacheri Jun, Attingal | 0470-2622012 | 8281118545 | ecostatattingal@gmail.com<br>tsochki.des@kerala.gov.in |
| KOLLAM | TSO, KOLLAM | Taluk Statistical Office Kollam, Sreereshmi, Near Thevally, Market, Kollam | 0474-2799975 | 8281118531 | ecostatklm.qln@gmail.com<br>tsoklmt.des@kerala.gov.in |
| | TSO, KOTTARAKKARA | Taluk Statistical Office Kottarakkara, Indus Motors Building ,Near NSS Taluk Union Office, Kottarakkara | 0474-2450308 | 8281118532 | ecostatklm.ktr@gmail.com<br>tsoktra.des@kerala.gov.in |
| | TSO, PATHANAPURAM, PUNALUR | Taluk Statistical Office Pathanapuram, IInd Floor,Mini Civil Station,Punaloor | 0475-2220866 | 8281118534 | ecostatklm.ppm@gmail.com<br>tsoptnm.des@kerala.gov.in |
| | TSO, KARUNAGAPPALLY | Taluk Statistical Office Karunagappally,IInd Floor, Minicivil Station, Karunagapally | 0476-2620515 | 8281118535 | ecostatklm.kpy@gmail.com<br>tsoknpy.des@kerala.gov.in |
| | TSO, KUNNATHUR, SASTHAMCOTTAH | Taluk Statistical Office Kunnathoor, Panchayath Building, Sasthamcottah | 0476-2830207 | 8281118533 | ecostatklm.knr@gmail.com<br>tsoknr.des@kerala.gov.in |

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| | TSO, RANNI | Taluk Statistical Office Ranny, KuthukallunkalPadi, Ranni-689673 | 04735-224250 | 8281118524 | ecostatptmrny@gmail.com tsorani.des@kerala.gov.in |
| ALAPUZHA | TSO, CHERTHALA | Taluk Statistical Office Cherthala, Mini Civil Station, Cherthala - 688524 | 0478-2812072 | 8281118515 | ecostatcherthala@gmail.com tsoctla.des@kerala.gov.in |
| | TSO, AMBALAPUZHA | Taluk Statistical Office Ambalappuzha, Mini Civil Station, Thathampally P.O., Alappuzha - 688013 | 0477-2251035 | 8281118514 | tsoambalappuzha@gmail.com tsoampa.des@kerala.gov.in |
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| | TSO, CHENGANNUR | Taluk Statistical Office Chengannur, Mini Civil Station, Chengannur - 689121 | 0479-2453553 | 8281118512 | ecostatcgnr@gmail.com tsochnr.des@kerala.gov.in |
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| | TSO, MEENACHIL, PALA | Taluk Statistical Office Meenachil, Mini Civil Station, Meenachil-686575 | 04822-210069 | 8281118501 | tsomnlesktm@gmail.com tsomncl.des@kerala.gov.in |
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|---|---|---|---|---|---|
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| | TSO, KOTHAMANGALAM | Taluk Statistical Office Kothamangalam, Revenue Tower, 4th Floor, Kothamangalam, Pin- 686 691. | 0485-2822335 | 8281118474 | ecostatekm.kmgm@gmail.com<br>tsoktlm.des@kerala.gov.in |
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| | TSO, NORTH PARAVUR | Taluk Statistical Office Paravoor, Mini Civil Station, North Paravoor, Pin-683 513. | 0484-2440266 | 8281118479 | ecostatekm.npr@gmail.com<br>tsopavr.des@kerala.gov.in |
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| | TSO, MUKUNDAPURAM, IRINJALAKKUDA | Taluk Statistical Office Mukundapuram, Mini Civil Station, Irinjalakkuda, Thrissur, 680125 | 0480-2820385 | 8281118464 | tsomkpm@gmail.com<br>tsomkpm.des@kerala.gov.in |

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| | TSO, CHAVAKKADU | Taluk Statistical Office Chavakkad, Mini Civil Station, Chavakkad, Thrissur. 680506 | 0487-2501445 | 8281118467 | tsockd@gmail.com<br>tsocvkd.des@kerala.gov.in |
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| | TSO, ALATHUR | Taluk Statistical Office Alathur, Mini Civil Station, Swathi Junction, Alathur 678541 | 04922-222933 | 8281118454 | statalathur@gmail.com<br>tsoaltr.des@kerala.gov.in |
| | TSO, CHITTUR | Taluk Statistical Office Chittur, Chittur, Palakkad-678101 | 04923-221184 | 8281118453 | ecostatctr@gmail.com<br>tsochtr.des@kerala.gov.in |
| | TSO, OTTAPPALAM | Taluk Statistical Office Ottapalam, State Bank Building, Ottapalam, Palakkad 679101 | 0466-2244421 | 8281118455 | ecostatotp@gmail.com<br>tsooplm.des@kerala.gov.in |
| | TSO, MANNARKKADU | Taluk Statistical Office Mannarkkad, Mini Civil Station Mannarkkad, Palakkad 678582 | 04924-222231 | 8281118456 | ecostatmkd@gmail.com<br>tsomnkd.des@kerala.gov.in |
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| | TSO, PERINTHALMANNA | Taluk Statistical Office Perinthalmanna, Mini Civil Station, Perinthalmanna 679 322 | 04933-226633 | 8281118441 | ecostatpmna@gmail.com<br>tsoptma.des@kerala.gov.in |
| | TSO, PONNANI | Taluk Statistical Office Ponnani , Mini civil station, PonnaniNagaram 679 583 | 0494-2666033 | 8281118442 | ecostatponnani@gmail.com<br>tsoponi.des@kerala.gov.in |
| | TSO, TIRUR | Taluk Statistical Office Tirur, Amanath Complex, Ezhur Road, Tirur 676 101 | 0494-2433700 | 8281118445 | ecostattr@gmail.com<br>tsotrur.des@kerala.gov.in |
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| WAYNADU | TSO, VYTHIRI, KALPETTA | Taluk Statistical Office Vythiri, Near Mariyamman Temple, Old Market, Municipal Building, Kalpetta Pin: 673121 | 04936-203133 | 8281118422 | ecostatklpt@gmail.com<br>tsovtri.des@kerala.gov.in |
| | TSO, MANANTHAVADY | Taluk Statistical Office Mananthavady, Mini Civil Station, Mananthavady, Pin: 670645 | 04935-240388 | 8281118424 | ecostatmndy@gmail.com<br>tsomndy.des@kerala.gov.in |
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# Vital Statistics

Vital statistics, also known as vital events or vital records, are an important source of demographic data. For the collection, consolidation, analysis and preparation of reports of vital events such as births, deaths and still births, Vital Statistics division is functioning in the Department. Vital events are collected through Civil Registration system (CRS), Sample Registration System(SRS) and Spot Check Survey.

**Civil Registration System (CRS):-** Civil Registration Systemis the unified process of continuous, permanent, compulsory and universal recording of the vital events (births, deaths, still births) and characteristics thereof. In order to unify the civil registration activities, CRS was introduced in India under the Registration of Births and Deaths Act(RBD Act), 1969. The RBD Act, 1969 (Act No. 18 of 1969) came into force in Kerala on 1st April 1970, provides for the compulsory registration of births and deaths. Births and deaths are registered only at the place of their occurrence. In the case of births and deaths that occurred in the house, head of the household is responsible person to report and in the case of births and deaths that occur in hospitals, nursing homes, health centres etc, officer in charge or any person authorised by her/him is responsible to report to the Registrar of Births and Deaths of the concerned area. The local bodies, viz., the Grama Panchayats, Municipalities and Corporations function as the registration units of vital events in the State. Now the total Registration units existing in the State are 1035. The Director of Panchayats is the Chief Registrar and The Additional Director (General) of Economics & Statistics dept. is the Additional Chief Registrar of Births and Deaths in the State.

The Vital Statistics division in the Department collecting, compiling and analysing the vital events such as births, deaths and still births and prepare the book titled "Annual Vital Statistics Report" in every year and it is published in the official website of the department. Mainly, the book contains the analytical report on live births, deaths, Infant deaths, Still births and maternal deaths under different category, various vital rates such as Crude Birth Rate, Crude Death Rate, Infant Mortality Rate, Still Birth Rate, Maternal Mortality Ratio etc.The latest report published is "Annual Vital Statistics Report-2016"and "Annual Vital Statistics Report-2017" is under preparation.

Sample Registration System

Even though the registration of births & deaths is compulsory as per RBD act 1969, the level of registration has continued to far from satisfactory in several States/Union Territories in the country. With a view to generate reliable and continuous data on vital indicators, the office of the RGI initiated the scheme Sample Registration System in 1964-65 on a pilot basis and on full scales from 1969-70 onwards. The Office of the Registrar General of India selects the sample units for the survey. Revision

of SRS sampling frame is undertaken in every ten years based on the results of latest census. At present the revision of the sampling frame is going to be changed as per the latest Census 2011. In Kerala there are 280 samples consisting of 175 rural and 105 urban units. The implementations of the survey in rural samples are entrusted with Department of Economics and Statistics.

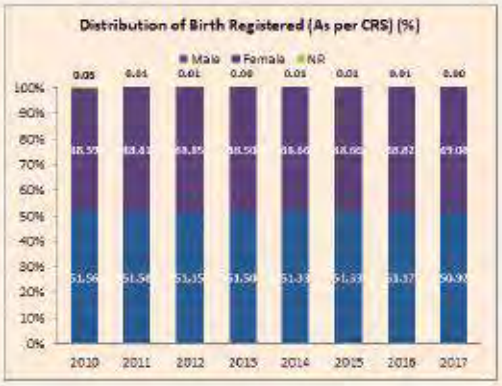
The main objective is to provide reliable estimates of birth rate, death rate, infant mortality rate etc. for the rural and urban areas of the state. It also provides the data for other measures of fertility and mortality including total fertility, infant and child mortality rates etc.

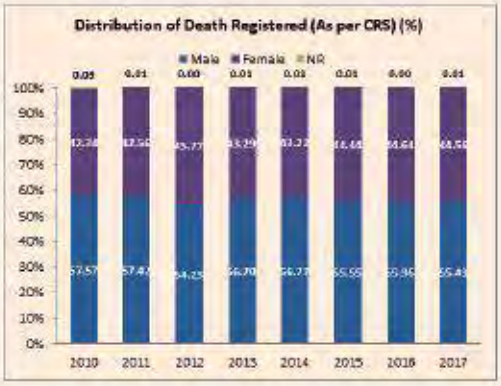
Spot Check Survey

The main objective of the survey is to estimate the under registration of vital events in the selected Municipalities/Corporations and to work out the actual vital rates of these areas and to estimate the residential vital rates of these municipalities/corporation. At present the scheme is implemented in 5 corporations and 29 municipalities. Annual report titled "Residential Vital Rates" has been prepared by the Vital Statistics Division of the Directorate. During 2018.

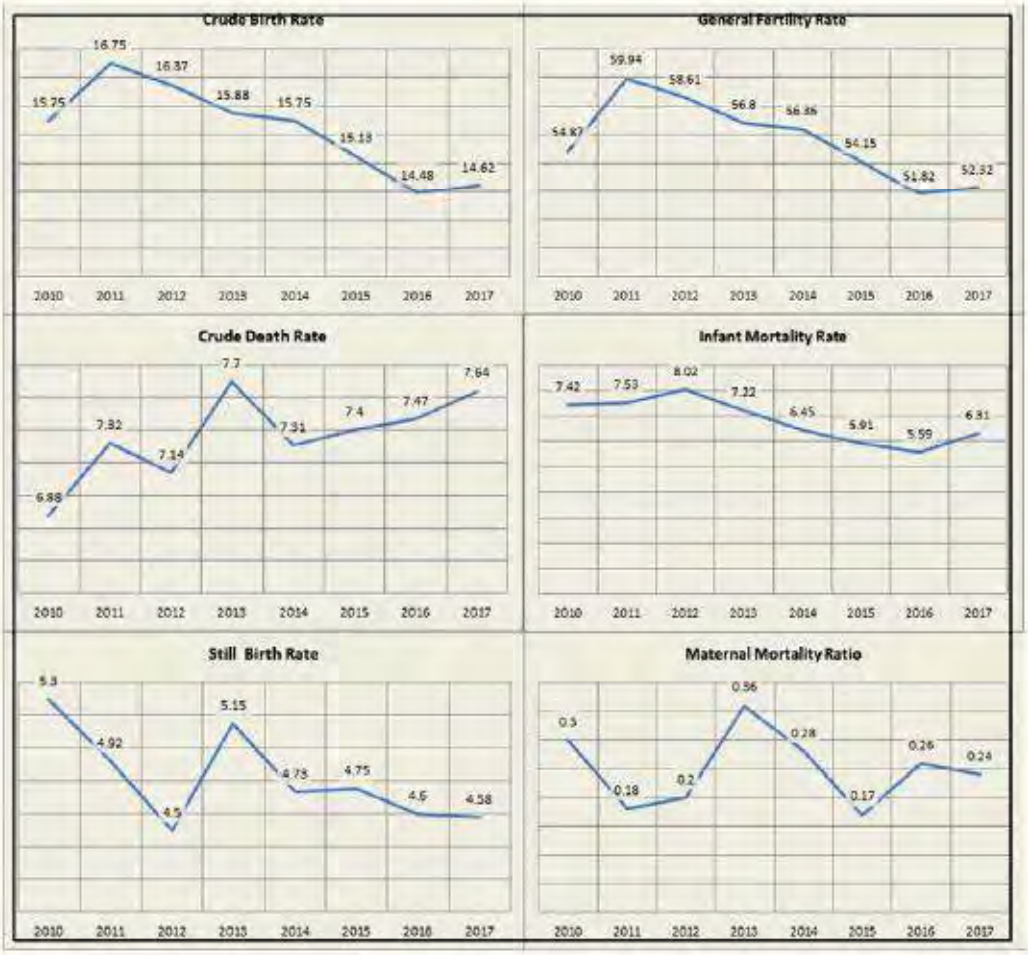
**Percentage distribution of Live Birth and Death Registered (As per CRS)**

| Year | Live Birth | | | Death | | |
|---|---|---|---|---|---|---|
| | Male | Female | NR | Male | Female | NR |
| 2010 | 51.56 | 48.39 | 0.05 | 57.57 | 42.34 | 0.09 |
| 2011 | 51.58 | 48.41 | 0.01 | 57.42 | 42.56 | 0.01 |
| 2012 | 51.15 | 48.85 | 0.01 | 54.23 | 45.77 | 0.00 |
| 2013 | 51.5 | 48.5 | 0.00 | 56.7 | 43.29 | 0.01 |
| 2014 | 51.33 | 48.66 | 0.01 | 56.77 | 43.22 | 0.01 |
| 2015 | 51.33 | 48.66 | 0.01 | 55.55 | 44.44 | 0.01 |
| 2016 | 51.17 | 48.82 | 0.01 | 55.36 | 44.64 | 0.00 |
| 2017 | 50.92 | 49.08 | 0.00 | 55.43 | 44.56 | 0.01 |



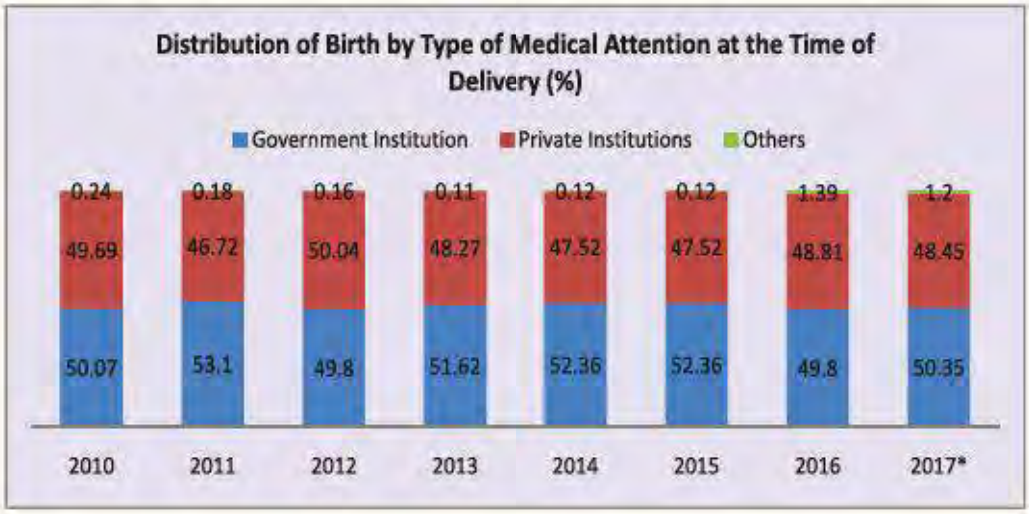
| Vital Indicators for Kerala as per CRS data | | | | | | |
|---|---|---|---|---|---|---|
| Year | Crude Birth Rate | General Fertility Rate | Crude Death Rate | Infant Mortality Rate | Still Birth Rate | Maternal Mortality Ratio |
| 2010 | 15.75 | 54.87 | 6.88 | 7.42 | 5.30 | 0.30 |
| 2011 | 16.75 | 59.94 | 7.32 | 7.53 | 4.92 | 0.18 |
| 2012 | 16.37 | 58.61 | 7.14 | 8.02 | 4.50 | 0.20 |
| 2013 | 15.88 | 56.80 | 7.70 | 7.22 | 5.15 | 0.36 |
| 2014 | 15.75 | 56.36 | 7.31 | 6.45 | 4.73 | 0.28 |
| 2015 | 15.13 | 54.15 | 7.40 | 5.91 | 4.75 | 0.17 |
| 2016 | 14.48 | 51.82 | 7.47 | 5.59 | 4.60 | 0.26 |
| 2017 | 14.62 | 52.32 | 7.64 | 6.31 | 4.58 | 0.24 |



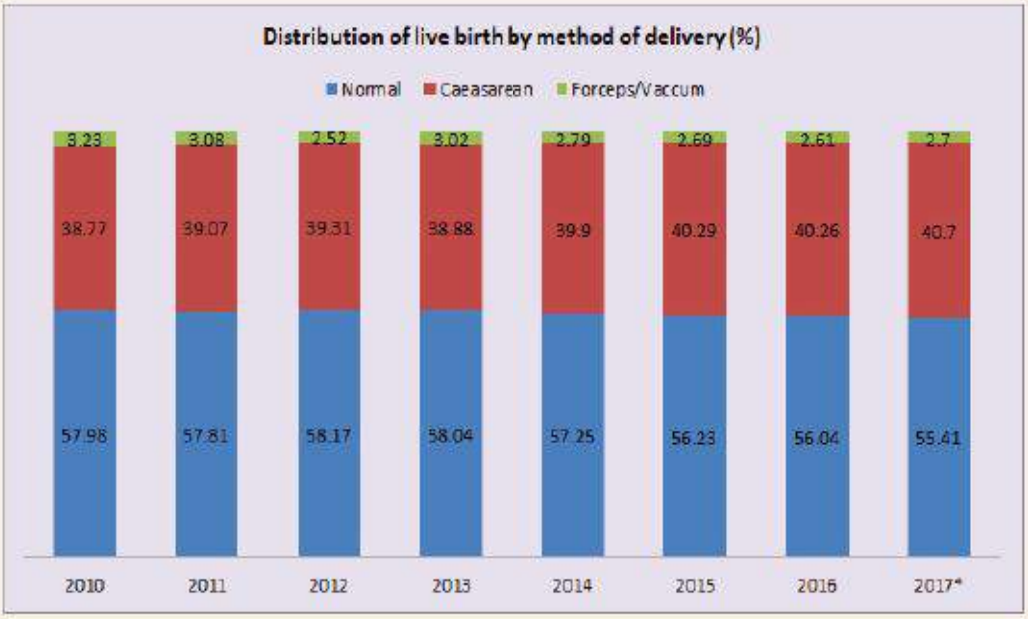
| Vital Indicators for Kerala as per CRS data | | | | | | |
|---|---|---|---|---|---|---|
| Sl. No. | Year | TFR | GRR | Child Woman ratio | Percentage of infant death to total death | Sex Ratio at Birth |
| 1 | 2010 | 1.69 | 0.82 | 302.5 | 1.69 | 939 |
| 2 | 2011 | 2.03 | 0.99 | 262.85 | 1.72 | 939 |
| 3 | 2012 | 1.99 | 0.97 | 262.86 | 1.84 | 955 |
| 4 | 2013 | 1.93 | 0.94 | 262.86 | 1.49 | 942 |
| 5 | 2014 | 1.92 | 0.93 | 262.86 | 1.39 | 948 |
| 6 | 2015 | 1.74 | 0.85 | 262.85 | 1.21 | 948 |
| 7 | 2016 | 1.75 | 0.85 | 262.85 | 1.08 | 954 |
| 8 | 2017* | 1.76 | 0.87 | 262.85 | 1.21 | 964 |

*TFR-Total Fertility Rate, GRR-Gross Reproduction Rate, * provisional*

| Distribution of Birth by Type of Medical Attention at the Time of Delivery (%) | | | | | | |
|---|---|---|---|---|---|---|
| Sl. No. | Year | Govt Hospital | Pvt Hospital | Qualified Professional | Untrained Functionaries & Others | Not Specified |
| 1 | 2010 | 21.13 | 57.97 | 2.79 | 0.97 | 17.14 |
| 2 | 2011 | 20.3 | 56.77 | 2.87 | 1.07 | 18.99 |
| 3 | 2012 | 21.07 | 58.34 | 0.89 | 2.18 | 17.52 |
| 4 | 2013 | 26.67 | 64.44 | 0.61 | 2..01 | 6.36 |
| 5 | 2014 | 28.84 | 67.35 | 0.38 | 1.98 | 1.45 |
| 6 | 2015 | 27.42 | 67.96 | 0.87 | 2.05 | 1.7 |
| 7 | 2016 | 25.45 | 70.02 | 0.22 | 1.75 | 2.56 |
| 8 | 2017* | 26.51 | 70.33 | 0.16 | 0.99 | 2.01 |
| | * Provisional | | | | | |

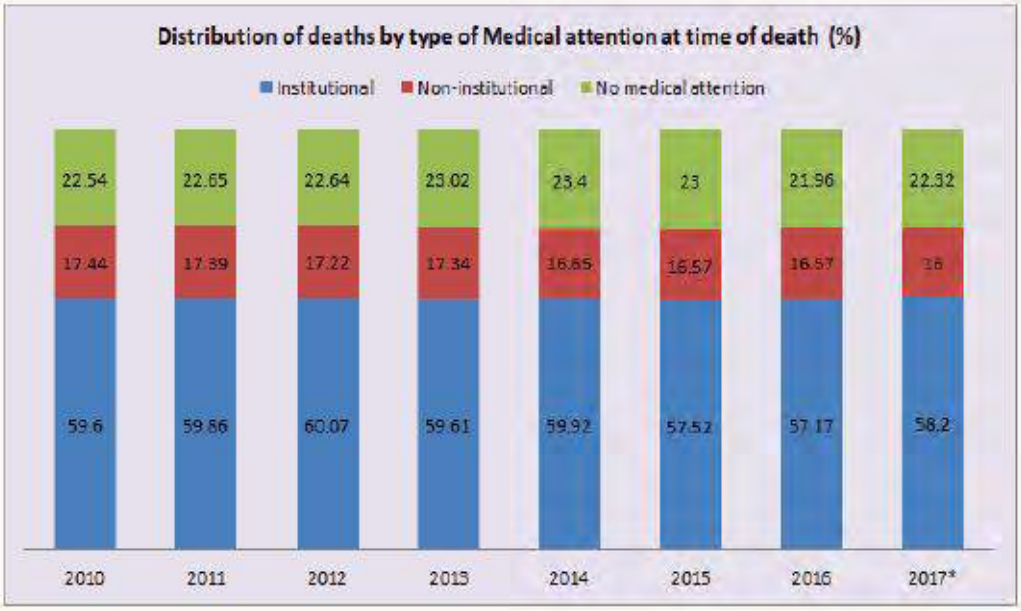


| Distribution of live birth by method of delivery (%) | | | | | |
|---|---|---|---|---|---|
| Sl. No. | Year | Normal | Caeasarean | Forceps/Vaccum | Not Stated |
| 1 | 2010 | 57.98 | 38.77 | 3.23 | 0.02 |
| 2 | 2011 | 57.81 | 39.07 | 3.08 | 0.04 |
| 3 | 2012 | 58.17 | 39.31 | 2.52 | 0 |
| 4 | 2013 | 58.04 | 38.88 | 3.02 | 0.06 |
| 5 | 2014 | 57.25 | 39.9 | 2.79 | 0.06 |
| 6 | 2015 | 56.23 | 40.29 | 2.69 | 0.79 |
| 7 | 2016 | 56.04 | 40.26 | 2.61 | 1.09 |
| 8 | 2017* | 55.41 | 40.7 | 2.7 | 1.19 |
| | * Provisional | | | | |



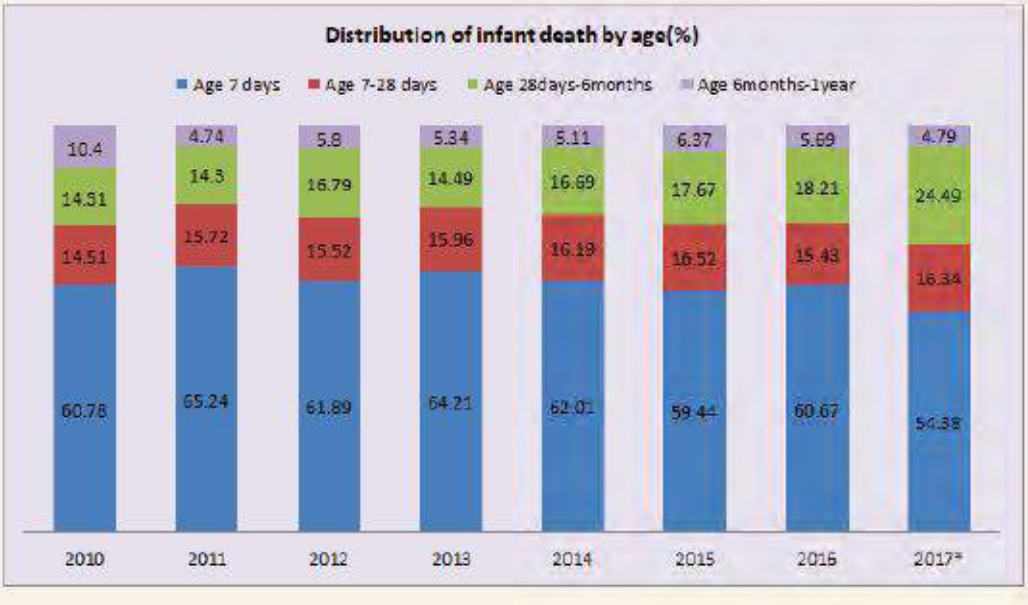
| Distribution of deaths by type of Medical attention at time of death (%) | | | | | |
|---|---|---|---|---|---|
| Sl. No. | Year | *Institutional* | *Non-institutional* | *No medical attention* | *Not stated* |
| 1 | 2010 | 59.6 | 17.44 | 22.54 | 0.42 |
| 2 | 2011 | 59.86 | 17.39 | 22.65 | 0.1 |
| 3 | 2012 | 60.07 | 17.22 | 22.64 | 0.07 |
| 4 | 2013 | 59.61 | 17.34 | 23.02 | 0.03 |
| 5 | 2014 | 59.92 | 16.65 | 23.4 | 0.03 |
| 6 | 2015 | 57.52 | 16.57 | 23 | 2.91 |
| 7 | 2016 | 57.17 | 16.57 | 21.96 | 4.3 |
| 8 | 2017* | 58.2 | 16 | 22.32 | 3.48 |

*** Provisional**



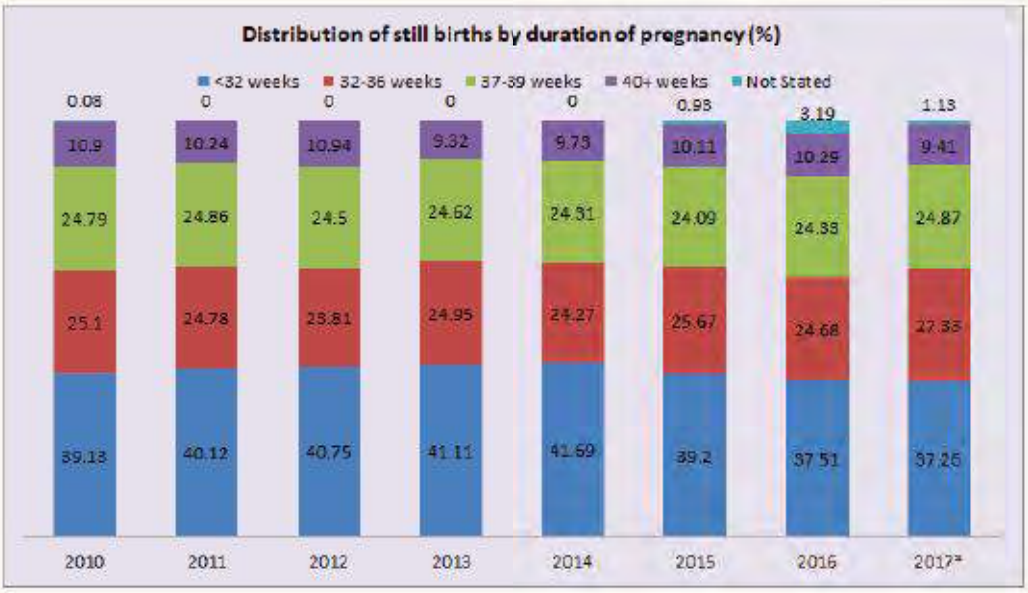
| Distribution of infant death by age(%) | | | | | |
|---|---|---|---|---|---|
| Sl. No. | Year | Age | | | |
| | | 7 days | 7-28 days | 28days-6months | 6months-1year |
| 1 | 2010 | 60.78 | 14.51 | 14.31 | 10.4 |
| 2 | 2011 | 65.24 | 15.72 | 14.3 | 4.74 |
| 3 | 2012 | 61.89 | 15.52 | 16.79 | 5.8 |
| 4 | 2013 | 64.21 | 15.96 | 14.49 | 5.34 |
| 5 | 2014 | 62.01 | 16.19 | 16.69 | 5.11 |
| 6 | 2015 | 59.44 | 16.52 | 17.67 | 6.37 |
| 7 | 2016 | 60.67 | 15.43 | 18.21 | 5.69 |
| 8 | 2017* | 54.38 | 16.34 | 24.49 | 4.79 |

* Provisional



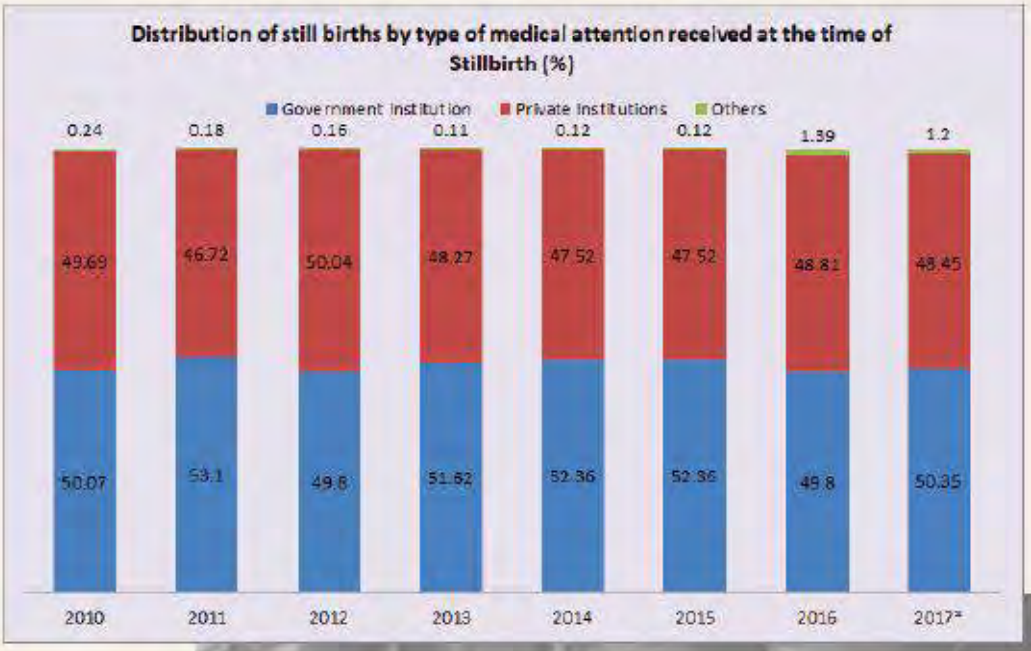
| Distribution of still births by duration of pregnancy (%) | | | | | | |
|---|---|---|---|---|---|---|
| Sl. No. | Year | Duration of pregnancy | | | | |
| | | <32 | 32-36 | 37-39 | 40+ | Not Stated |
| 1 | 2010 | 39.13 | 25.1 | 24.79 | 10.9 | 0.08 |
| 2 | 2011 | 40.12 | 24.78 | 24.86 | 10.24 | 0 |
| 3 | 2012 | 40.75 | 23.81 | 24.5 | 10.94 | 0 |
| 4 | 2013 | 41.11 | 24.95 | 24.62 | 9.32 | 0 |
| 5 | 2014 | 41.69 | 24.27 | 24.31 | 9.73 | 0 |
| 6 | 2015 | 39.2 | 25.67 | 24.09 | 10.11 | 0.93 |
| 7 | 2016 | 37.51 | 24.68 | 24.33 | 10.29 | 3.19 |
| 8 | 2017* | 37.26 | 27.33 | 24.87 | 9.41 | 1.13 |

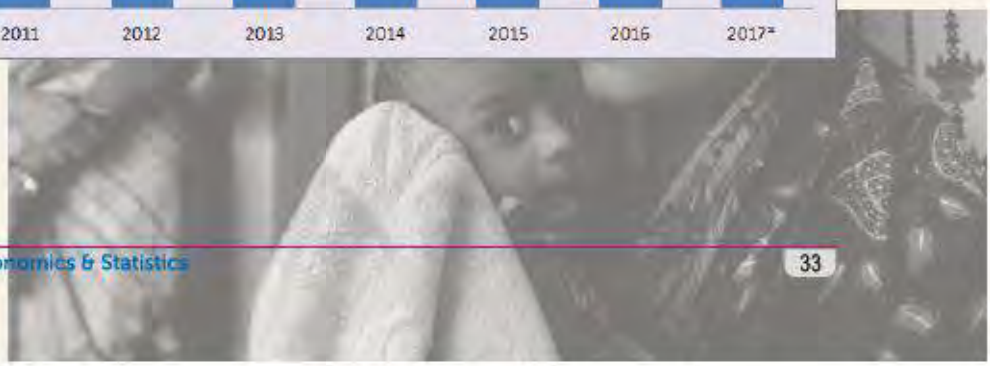
* Provisional



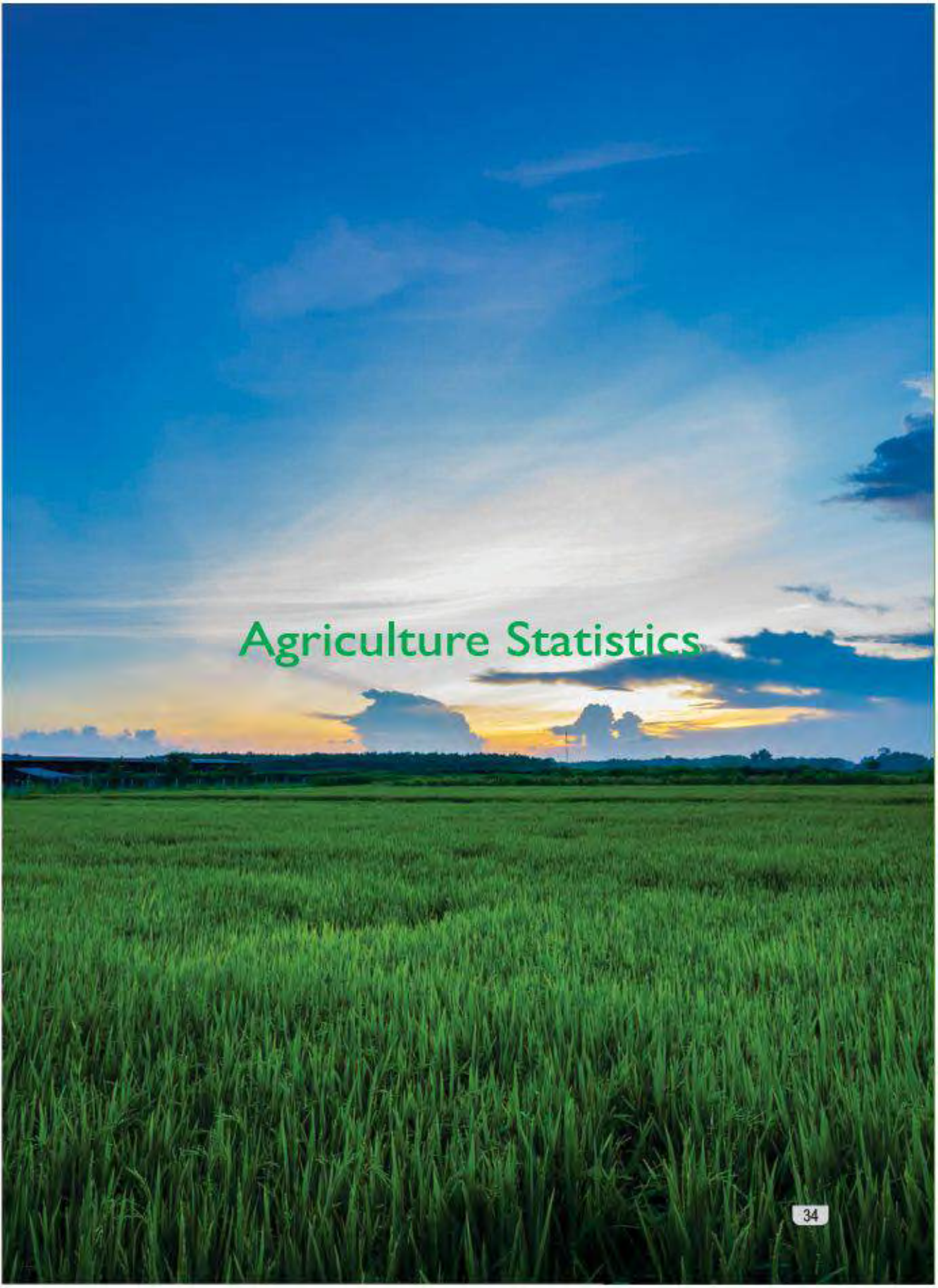
| Distribution of still births by type of medical attention received at the time of Stillbirth (%) | | | | | |
|---|---|---|---|---|---|
| Sl. No. | Year | Type of medical attention | | | |
| | | Government Institution | Private Institutions | Physician, Nurses and Midwife | Relatives & Others |
| 1 | 2010 | 50.07 | 49.69 | 0.21 | 0.03 |
| 2 | 2011 | 53.1 | 46.72 | 0.18 | 0 |
| 3 | 2012 | 49.8 | 50.04 | 0.16 | 0 |
| 4 | 2013 | 51.62 | 48.27 | 0.11 | 0 |
| 5 | 2014 | 52.36 | 47.52 | 0.12 | 0 |
| 6 | 2015 | 52.36 | 47.52 | 0.12 | 0 |
| 7 | 2016 | 49.8 | 48.81 | 0.43 | 0.96 |
| 8 | 2017* | 50.35 | 48.45 | 0.52 | 0.68 |

* Provisional



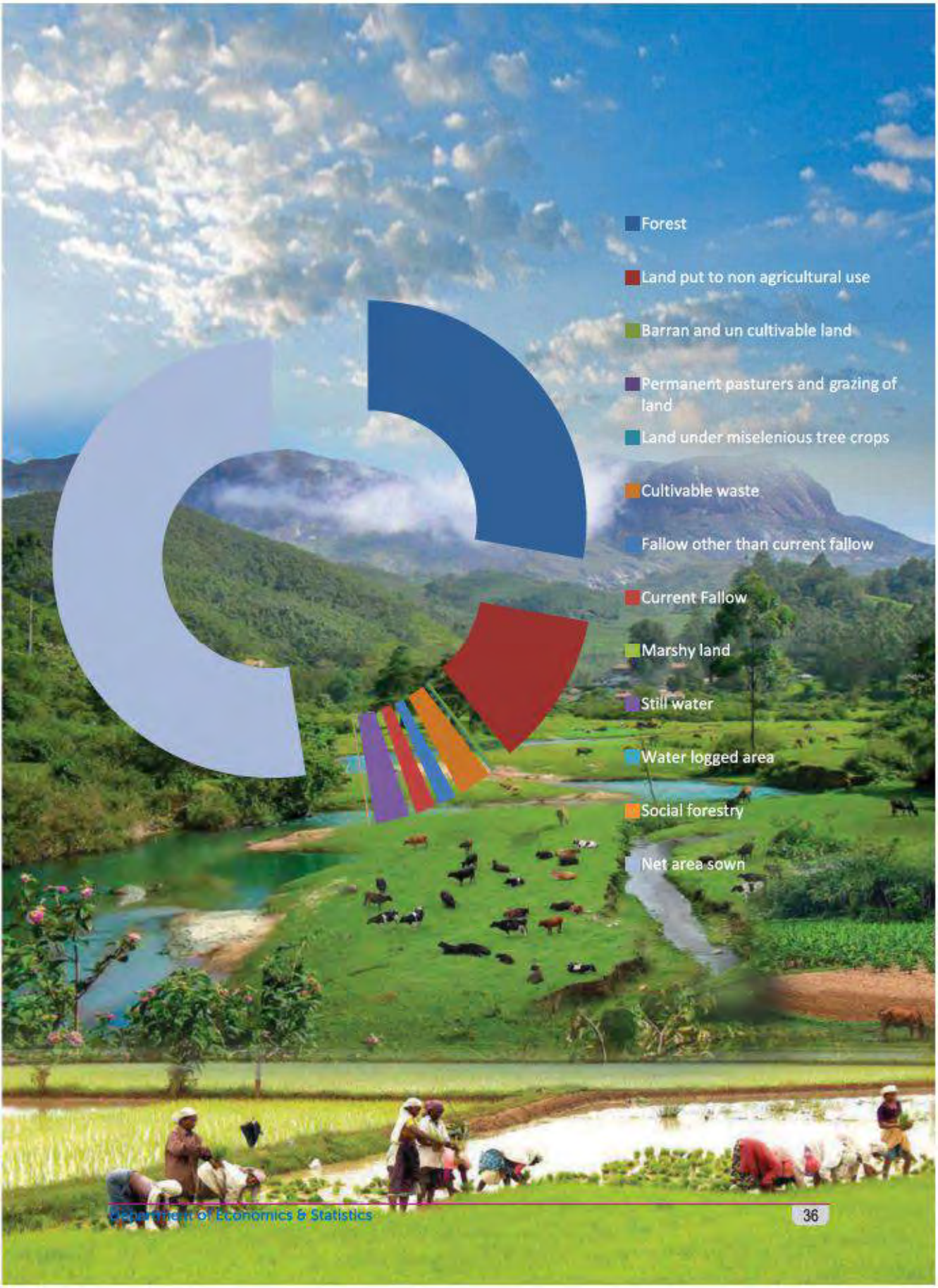



# Agriculture Statistics



Agriculture Statistics in Kerala was collected through Land Utilisation Surveys conducted every year by the Department of Economics and Statistics till 1975-79.From 1975-76 on wards Government of India sponsored a scheme Establishment of an Agency for Reporting Agriculture Statistics (EARAS) as a variant of the Timely Reporting Survey (TRS) implemented in Kerala being a non land record state .Under the scheme area ,production and productivity of agricultural crops, thirteen way classification of Land use statistics, Net area irrigated , Gross area irrigated etc are estimated. The estimates are available at block-district-state level for important crops ,-seasonally and also annually. The details are available up to the agriculture year 2017-18.

| Land Use statistics 2017-18 | | | |
|---|---|---|---|
| Sl. No | Category | Area in hect | Percentage to total Geographical Area |
| 1 | Forest | 1081509 | 27.83 |
| 2 | Land put to non agricultural use | 443041 | 11.4 |
| 3 | Barren and un cultivable land | 10894 | 0.28 |
| 4 | Permanent pastures and grazing of land | 0 | 0 |
| 5 | Land under miscellaneous tree crops | 2245 | 0.06 |
| 6 | Cultivable waste | 96491 | 2.48 |
| 7 | Fallow other than current fallow | 49461 | 1.27 |
| 8 | Current Fallow | 57522 | 1.48 |
| 9 | Marshy land | 14 | 0 |
| 10 | Still water | 98889 | 2.54 |
| 11 | Water logged area | 3235 | 0.08 |
| 12 | Social forestry | 2571 | 0.07 |
| 13 | Net area sown | 2040415 | 52.5 |


Forest
Land put to non agricultural use
Barran and un cultivable land
Permanent pasturers and grazing of land
Land under miselenious tree crops
Cultivable waste
Fallow other than current fallow
Current Fallow
Marshy land
Still water
Water logged area
Social forestry
Net area sown

## Area and production of crops in Kerala during 2017-18

| Sl No | Crop | Area (hect) | Production(T) | Productivity (kg/hect) | GVA(Rs in lakhs) | % of contribution to State GVA to crop sector |
|---|---|---|---|---|---|---|
| 1 | Rice | 194235 | 521310 | 2757 | 79255 | 2.31 |
| 2 | Tapioca | 70193 | 2697319 | 38427 | 408622 | 11.9 |
| 3 | Coconut @ | 760443 | 5230 | 6878 | 854344 | 24.87 |
| 4 | Banana | 62108 | 565829 | 9111 | 208865 | 6.08 |
| 5 | Plantain | 54455 | 379683 | 6972 | 81703 | 2.38 |
| 6 | Pineapple | 8823 | 82934 | 9399 | 18285 | 0.53 |
| 7 | Pappaya | 19188 | 113439 | 5912 | 24055 | 0.7 |
| 8 | Mango | 78492 | 489650 | 6238 | 134866 | 3.93 |
| 9 | Jack @ | 91538 | 309 | 3376 | 142189 | 4.14 |
| 10 | Arecanut | 97580 | 108516 | 1147 | 246793 | 7.19 |
| 11 | Pepper | 85141 | 37955 | 446 | 166469 | 4.85 |
| 12 | Cashew | 39720 | 25629 | 645 | 33185 | 0.97 |
| 13 | Ginger(cured) | 4370 | 18979 | 4343 | 4685 | 0.14 |
| 14 | Turmeric(cured) | 2778 | 8822 | 3177 | 1804 | 0.05 |
| 15 | Sugarcane(canegur) | 1048 | 11511 | 10987 | 4304 | 0.13 |
| 16 | Tamarind | 10606 | 36466 | 3438 | 32359 | 0.94 |
| 17 | Nutmug | 22701 | 14682 | 647 | 26734 | 0.78 |
| 18 | Cardamum | 39080 | 18350 | 470 | 166312 | 4.84 |
| 19 | Tea | 30205 | 62230 | 2060 | 37890 | 1.1 |
| 20 | Coffee | 84976 | 66465 | 782 | 44827 | 1.31 |
| 21 | Rubber | 551115 | 540775 | 981 | 673455 | 19.61 |
| 22 | Cocoa | 14522 | 14533 | 1001 | 5929 | 0.17 |

@Production in million nuts-Productivity in Nos

| During 2017-18,the Districts of having Highest area and production of crops | | | | |
|---|---|---|---|---|
| Crop | Area | | Production | |
| | District | % to state | District | % to state |
| Rice | Palakkad | 39 | Palakkad | 38 |
| Tapioca | Thiruvananthapuram | 21 | Thiruvananthapuram | 20 |
| Coconut | Kozhicode | 15 | Malappuram | 16 |
| Banana | Pallakkad | 27 | Pallakkad | 33 |
| Plantain | Thiruvananthapuram | 14 | Thiruvananthapuram | 16 |
| Pineapple | Eranakulam | 57 | Eranakulam | 61 |
| Arecanut | Kasargode | 21 | Kasargode | 44 |
| Pepper | Idukki | 52 | Idukki | 66 |
| Cashew | Kannur | 49 | Kannur | 73 |
| Tea | Idukki | 73 | Idukki | 72 |
| Coffee | Wayanad | 79 | Wayanad | 85 |
| Rubber | Kottayam | 21 | Kottayam | 20 |
| Coca | Idukki | 67 | Idukki | 71 |

| All India estimates on area & Production during 2014-15 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sl No | Crop | Area (hect) | | | Production(T) | | |
| | | India | Kerala | % of contribution | India | Kerala | % of contribution |
| 1 | Rice | 43860 | 198 | 0.45 | 10480 | 562 | 5.36 |
| 2 | Coconut | 1975.81 | 793.856 | 40.18 | 20439 | 5947 | 29.1 |
| 3 | Cashew | 1027 | 45.44 | 4.42 | 725 | 29.71 | 4.1 |

| Change on Area under Land Utilisation from 1977-78 to 2017-18 | | | |
|---|---|---|---|
| Sl.No | Category | Area in hect | |
| | | 1977-78 | 2017-18 |
| 1 | Land put to non agricultural use | 257276 | 547750 |
| 2 | Barren and un cultivable land | 75382 | 10894 |
| 3 | Permanent pastures and grazing of land | 10616 | 0 |
| 4 | Land under miscellaneous tree crops | 67960 | 2245 |
| 5 | Cultivable waste | 118256 | 96491 |
| 6 | Fallow other than current fallow | 27118 | 49461 |
| 7 | Current Fallow | 46111 | 57522 |
| 8 | Net area sown | 2201269 | 2040415 |

## Area under crops for the last ten years 2008- 09 to 2017-18(Hect)

| YEAR | Name of Crop | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Paddy | Tapioca | Coconut | Banana | Plantain | Arecanut | Pepper | Cashew | Cardamom | Tea | Coffee | Rubber |
| 2008-09 | 234265 | 87241 | 787769 | 54739 | 50126 | 97492 | 153711 | 53007 | 41588 | 36557 | 84696 | 517475 |
| 2009-10 | 234013 | 74925 | 778618 | 51275 | 47802 | 99188 | 171489 | 48972 | 41593 | 36845 | 84796 | 525408 |
| 2010-11 | 213187 | 72284 | 770473 | 58671 | 49129 | 99834 | 172182 | 43838 | 41242 | 36965 | 84931 | 534230 |
| 2011-12 | 208160 | 74498 | 820867 | 59069 | 48747 | 104548 | 85335 | 54052 | 41600 | 37028 | 85359 | 539565 |
| 2012-13 | 197277 | 69586 | 798162 | 61011 | 48859 | 101775 | 84707 | 52086 | 41600 | 30205 | 85359 | 539565 |
| 2013-14 | 199611 | 67589 | 808647 | 62261 | 54512 | 100008 | 84065 | 49105 | 39730 | 30205 | 85359 | 548225 |
| 2014-15 | 198159 | 75493 | 793856 | 61936 | 56761 | 96686 | 85431 | 45436 | 39730 | 30205 | 85359 | 549955 |
| 2015-16 | 196870 | 69405 | 790223 | 59835 | 57683 | 99126 | 85948 | 43090 | 39730 | 30205 | 84987 | 550840 |
| 2016-17 | 171398 | 68664 | 781496 | 57158 | 57140 | 97696 | 85207 | 41661 | 39080 | 30205 | 84976 | 551050 |
| 2017-18 | 189069 | 70193 | 760443 | 62108 | 54455 | 97580 | 85141 | 39720 | 39080 | 30205 | 84976 | 551115 |

# Cost of Cultivation

Department of Economics & Statistics is conducting annual survey of cost of cultivation in Kerala from 1980-81 onwards. The main objective of this survey is to estimate the cost of cultivation per hectare of important crops and to compare the cost under different concepts, over a period. Cost of Cultivation per hectare and value of output per hectare of 12 important crops are prepared in district and State level.

The survey covered all the districts in the state by considering Taluk as a stratum. From each Taluk (stratum) required number of investigator zones were selected using circular systematic sampling method. From each investigator zone required number of cultivators are selected.

Cost incurred for growing the selected crops are classified under cost 'A' cost 'B1', Cost 'B' and Cost 'C.

Cost 'A' - All kind of expenses (paid out costs) actually incurred by the Cultivators

Cost 'B1' - Cost 'A' + Interest on fixed assets (excluding land)

Cost 'B' - Cost 'B1' + interest on Fair value of land

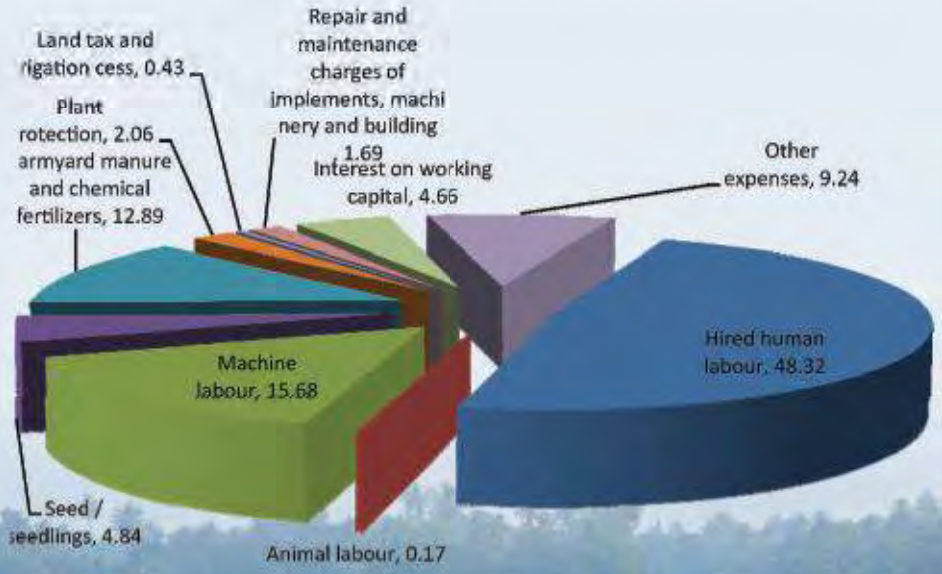
Cost 'C' - Cost 'B' + Imputed value of family labour

The period of the survey is the Agriculture year (July – June). The holdings selected for the study are grouped under three size classes (small, medium and large) for each crop on the basis of the area under the crops in the holding as shown below:

| Size Group | Holding Size | |
|---|---|---|
| | Paddy | Other Crops |
| Small | < 0.40 hectare | < 0.2 hectare |
| Medium | 0.40 to < 2 hectare | 0.20 to < 0.80 hectare |
| large | 2 hectare | 0.80 hectare |

Crops covered are paddy (3 seasons), coconut, arecanut, tapioca, banana, pepper, ginger, turmeric, pineapple, bitter guard (3 seasons), cowpea (3 seasons) and cardamom (Idukki, Wayanad & Palakkad).

**Percentage of Distribution of "COST A"per hectare of Autumn Paddy during 2015-16**



# Evaluation

The Soil Conservation Survey has been conducting regularly in 13 districts, to evaluate the effectiveness of measures taken under soil conservation, Watershed schemes carried out and its impact in crop production, productivity, Water level moisture content etc. The main objective of the evaluation study is to study the effects of the work carried out by the Soil Survey and Soil Conservation Department in this direction.

For this, schemes execute three years prior to the survey period in the state by the Soil Survey and Soil Conservation Department has been selected. All the beneficiaries under the selected scheme have been includes in the survey. In addition to this, control plots (20% of number of beneficiaries) were selected from the outside scheme area was also included for the survey for comparison purpose.

Using the survey result we can examine the following:

Land use particulars of beneficiary plots before and after SC work(Area cultivated and not cultivated, Current Fallow, other uses)

Land use particulars of Control plots

Area wise crop pattern of perennial and seasonal crops before and after SC work

Crop wise yield and value of perennial and seasonal crops before and after SC work

Total income ,expenditure and net income of scheme area before and after SC work

Income ,expenditure and net income of Control plots

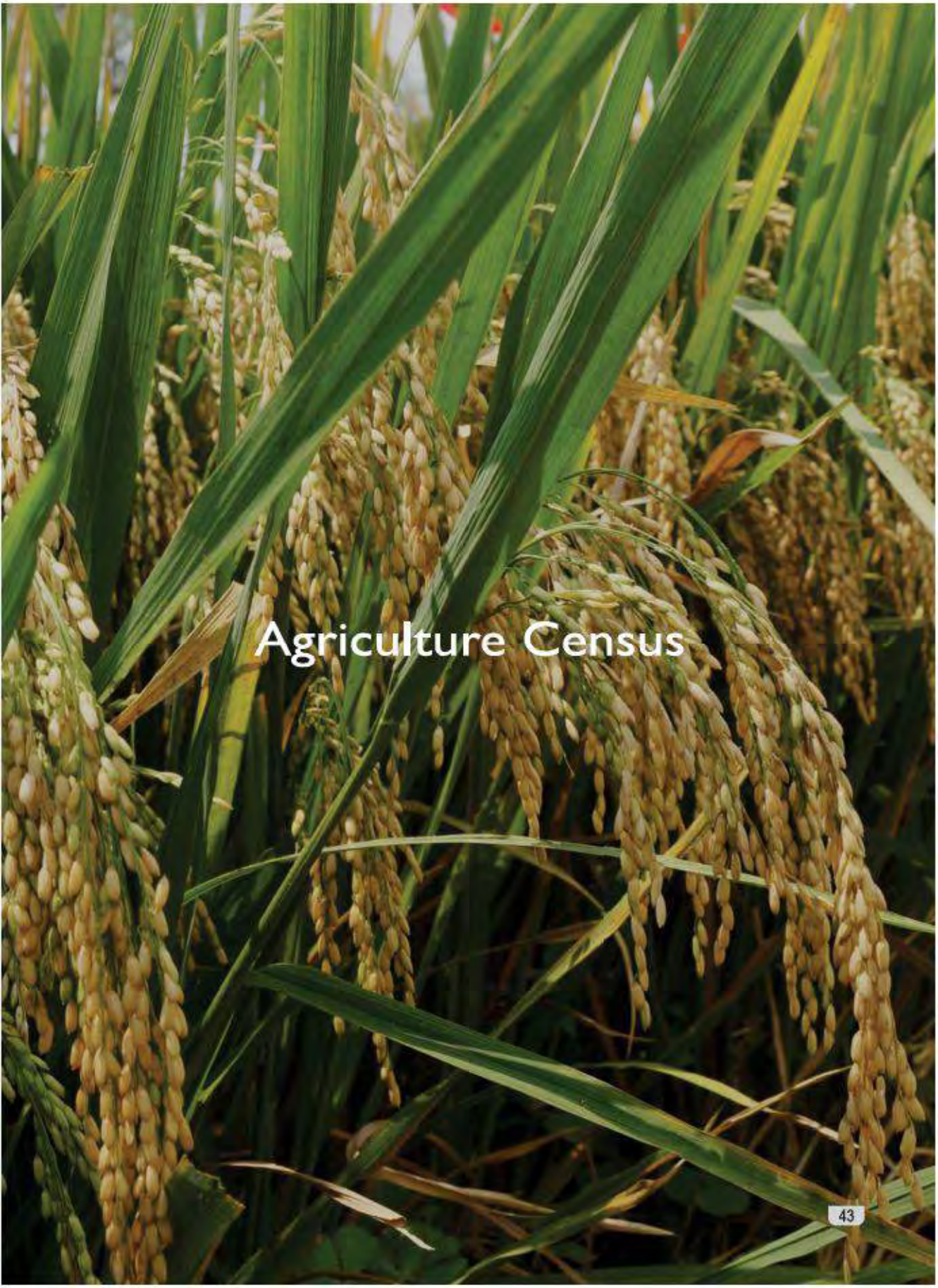
Income per acre before and after SC work in scheme area

Income per acre in Control plots

Occupational profile of scheme area and control plots(Agriculture and non agriculture)

Cropping intensity in scheme area before and after SC work

Well water level variation during the months April-May before and after SC work



# Agriculture Census

Govt. of India has been conducting Agriculture Census quinquenniully since 1970-71 as a part of the World Agriculture Census undertaken by the Food &Agriculture Organization (FAO) of United Nations. Agricultural Census is a large scale statistical operation for the collection and compilation of quantitative information about the structure of agriculture in the country. An agricultural operational holding is the ultimate unit for decision making for development of agriculture at micro level. So an operational holding is taken as the statistical unit of data collection for describing the structure of agriculture.

Agriculture Census is carried out in three distinct Phases which are statistically linked together. During first phase of Agriculture Census, data on primary characteristics like number of operational holdings and area operated by different size classes, Social groups, gender and type of holding is collected from selected wards. Detailed data on characteristics of operational holdings such as land use, irrigation status, tenancy particulars, cropping pattern etc. are collected from selected holdings of selected wards in the second phase. In phase 3, data on input use pattern are collected from selected holdings in selected wards. Thus the whole operation of Agricultural Census in India is not really a complete Census. In fact it is a combination of census and Sample Survey.

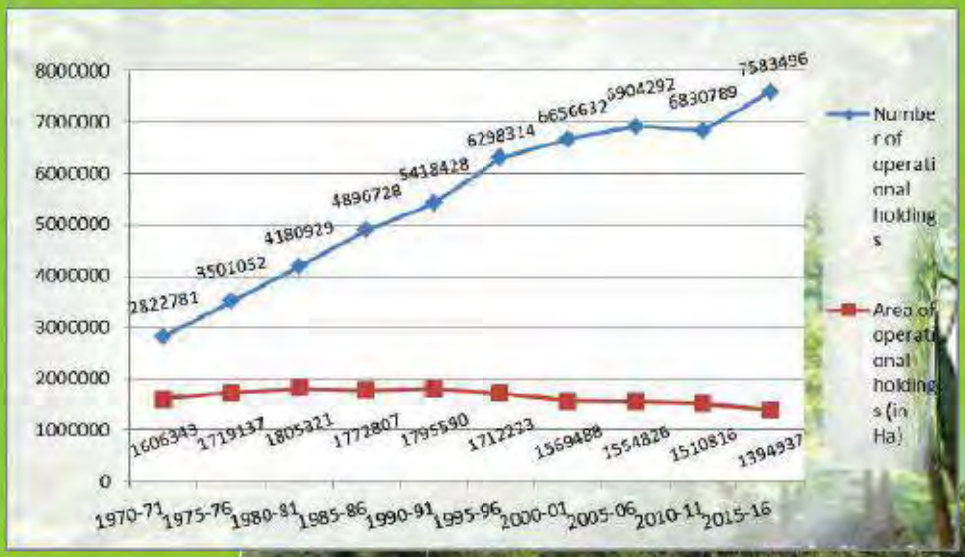
The reference year for Agriculture Census is the agriculture year (July to June). The first comprehensive country wide Agriculture Census was organized in India by the Ministry of Agriculture during the year 1970-71 which was followed by reference years 1976-77, 1980-81, 1985-86, 1990-91, 1995-96, 2000-01, 2005-06 and 2010-11. Starting with the second Agriculture Census, an Input Survey as a follow up survey is conducted to collect data on pattern of input use by the operational holdings with reference years 1977-78, 1981-82, 1986-87, 1991-92, 1996-97, 2001-02, 2006-07 & 2011-12.

Now the works related to 10th Agriculture Census with reference year 2015-16 and 9th Input Survey with reference year 2016-17 is going on in Kerala. The field works of three phases were completed and provisional tables for phase 1 was approved by Govt. of India.

**1. Size class wise number, area & average size of operational holdings on 2015-16**

| Size Class | Number of Operational Holdings | Area of Operational Holdings (Ha) | Average size of operational holdings |
|---|---|---|---|
| Marginal (Below 1 Ha) | 7333248 | 856074.10 | 0.12 |
| Small (1-1.99 Ha) | 181372 | 242336.50 | 1.34 |
| Semi-medium (2-3.99 Ha) | 55744 | 141685.40 | 2.54 |
| Medium (4-9.99 Ha) | 11274 | 60007.60 | 5.32 |
| Large (10 Ha & above) | 1858 | 94833.10 | 51.04 |
| **Total** | **7583496** | **1394936.70** | **0.18** |

**2. Number and Area of Operational holdings during 1970-71 to 2015-16**



3. **Size class wise distribution of number of holdings and area operated according to tenancy status 2010-11**

| Size class | Number of holdings | | | | Area operated (in hectare) | | | |
|---|---|---|---|---|---|---|---|---|
| | Wholly owned & self operated | Wholly leased in | Wholly otherwise operated | Partially owned, partially leased & partially otherwise operated | Wholly owned & self operated | Wholly leased in | Wholly otherwise operated | Partially owned, partially leased & partially otherwise operated |
| Marginal (Below 1 Ha) | 6526605 | 3856 | 16614 | 159 | 868350.83 | 1429.68 | 2163.23 | 116.47 |
| Small (1-1.99 Ha) | 173556 | 350 | 573 | 76 | 271929.87 | 483.08 | 839.78 | 128.92 |
| Semi-medium (2-3.99 Ha) | 54591 | 320 | 292 | 0 | 152387.6 | 860.06 | 599.58 | 0 |
| Medium (4-9.99 Ha) | 11279 | 192 | 5 | 7 | 59924.93 | 1093.38 | 30.84 | 29.81 |
| Large (10 Ha & above) | 1745 | 38 | 0 | 0 | 115111.08 | 1906.24 | 0 | 0 |
| **Total** | **6767776** | **4756** | **17484** | **242** | **1467704.31** | **5772.44** | **3633.43** | **275.2** |

4. **Average Consumption of Chemical Fertilizers in terms of Nutrients in Irrigated Area (Kg/Ha)**

| Sl No | Size Class (in Ha) | HYV | | | Others | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | N | P | K | N | P | K | N | P | K |
| 1 | **Below 1.0** | 64.14 | 35.84 | 23.43 | 61.07 | 37.06 | 30.77 | 62.03 | 36.68 | 28.48 |
| 2 | **1.00 - 1.99** | 86.21 | 36.68 | 30.23 | 69.56 | 37.71 | 26.73 | 77.16 | 37.24 | 28.33 |
| 3 | **2.00 - 3.99** | 81.96 | 35.15 | 28.88 | 67.46 | 42.15 | 28.23 | 75.12 | 38.45 | 28.57 |
| 4 | **4.00 - 9.99** | 91.17 | 48.20 | 36.40 | 79.34 | 52.12 | 32.78 | 86.46 | 49.76 | 34.96 |
| 5 | **10.00 & above** | 88.79 | 38.33 | 37.64 | 33.08 | 34.60 | 32.24 | 66.84 | 36.86 | 35.52 |
| **2011-12 All Sizes** | | **75.20** | **37.11** | **27.43** | **63.51** | **38.22** | **29.94** | **68.05** | **37.79** | **28.97** |
| **2006-07 All Sizes** | | **17.59** | **50.49** | **20.05** | **21.87** | **27.07** | **25.63** | **25.63** | **20.34** | **35.14** |
| **2001-02 All Sizes** | | **64.90** | **27.54** | **53.19** | **42.15** | **56.74** | **46.55** | **40.98** | **46.33** | **42.27** |

# National Sample Survey

## National Sample Survey(NSS)

The National Sample Survey Office (NSSO) was set up in 1950, with the idea of having a permanent survey organization to collect data on various facets of the economy. In order to assist in socio-economic planning and policy making, NSSO conducts nationwide sample surveys known as National Sample Survey (NSS). The National Sample Surveys (NSS) are the primary source of data on various socio-economic indicators at national and state levels, for planning and policy making The NSS is a continuing survey in the sense that it is carried out in the form of successive "rounds", each round usually of one year duration covering several topics of current interest. The surveys are conducted through household interviews, using a random sample of households covering practically the entire geographical area of the country.

## Participation of State

As the NSS samples were small, the state governments were invited to participate with matching samples so as to enable the preparation of estimates at district level which was not possible with the 'Central Sample' alone. Considering the demands for district level estimates, Kerala State has been participating in the National Sample Surveys from the very beginning with matching samples by collecting data by adopting the same sampling design, methodology of National Sample Survey Office under Ministry of Statistics and Programme implementation, Govt. of India to provide more disaggregated results at regional level. One of the core objectives of state participation in NSS programme is to provide a mechanism by which sample size will be increased and the pooling of the two sets of data would enable in arriving better estimates at district level .

## Subject coverage of NSS

The National Sample Survey covers the same topics / subjects at certain regular interval. Of course, the designing of schedule will be modified according to the changed needs. The subject coverage of socio-economic enquires for different rounds are decided on the basis of a 10 year cycle. Certain topics like labour force, household consumer expenditure, social consumption, housing condition of people, unorganized non agriculture enterprise surveys, household land and livestock holding and debt and investment are repeated at quinquennial or decadal intervals while the remaining years are allocated to subjects of special interest. Various subjects covered under different NSS round surveys and key indicators resulted in each round were briefed below

## 1.Employment & Unemployment situation

**Key Indicators**

1. Labour Force Participation Ratio
2. Gender gap in labour force
3. Age specific Labour Force Participation Ratio
4. Labour Force among aged people
5. Worker population ratio
6. Rural house hold participation in MGNREG work
7. Unemployment rate

## 2.Consumer Expenditure

Key Indicators

1. Monthly Per capita Consumption Expenditure(MPCE)
2. Level of consumption of food and non food items
3. Composition of MPCE by different item category

## 3.Household social consumption : Health

Key Indicators

1. Measurement of the use of public & Private health services
2. Status of immunisation of children of age 0-5 years
3. Prevalence rate of morbidity among various age sex groups
4. Hospitalisation rates
5. Proportion of institutional child birth etc

## 4.Household social consumption : Education

Key Indicators

1. Measuring qualitative aspects such as Participation of persons in the education system, Expenditure incurred on education etc.
2. Measuring qualitative aspects such as Literacy rate, Education level attainted, Type of institution, Nature of institution, Current attendance/ enrolment, Details of free education, Reason for currently not attending education etc.

## 5. land and livestock holdings of the households and situation assessment of agricultural households Kerala

Key Indicators

1. Ownership and operational holdings of all households (including agricultural households) in the rural areas
2. Economic well-being of households as measured by their consumption expenditure, income, productive assets and indebtedness
3. Farming practices
4. Awareness and access to various technological developments and welfare scheme in the field of agriculture

## &Housing condition, Drinking Water ,Hygiene and sanitation

Key Indicators

**Facilities of drinking water , sanitation along with housing facilities available to the households and the micro environment surrounding of the houses .**

**Some important items of enquiry are**

- **Type of dwelling unit (residing structure) , its ownership details, condition of the structure, floor area of the structure etc**
- **Facilities of drinking water, bathroom, latrine etc**
- **Drainage system of the house , system of disposal of household waste water & household garbage, problems of flies and mosquitoes etc.**

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Labour Force Participation Rate

Labour Force Participation Rate

| District | PS+SS | CWS | CDS |
|---|---|---|---|
| KSD | 393 | 311 | 301 |
| KNR | 358 | 349 | 337 |
| WND | 413 | 405 | 385 |
| KKD | 329 | 320 | 312 |
| MLP | 285 | 283 | 268 |
| PKD | 355 | 349 | 330 |
| TSR | 365 | 347 | 318 |
| EKM | 408 | 400 | 380 |
| IDK | 491 | 470 | 437 |
| KTM | 422 | 405 | 370 |
| ALP | 403 | 395 | 376 |
| PTA | 426 | 420 | 403 |
| KLM | 363 | 351 | 326 |
| TVM | 381 | 353 | 322 |
| ALL | 370 | 356 | 336 |

Labour force refers to the population which supplies or offers to supply labour for pursuing economic activities for the production of goods and services and, therefore, includes both 'employed' and 'unemployed' persons /person days. Labour Force Participation Rate (LFPR) is defined as the proportion of persons/person days in the labour-force to the total persons/ person-days.

## 6. Debt and Investment

**Key Indicators**

**Measuring quantitative information on the stock of assets, incidence of indebtedness, capital formation and other indicators of the rural/urban economy**

## 7. Unincorporated Non Agricultural enterprises

**Key Indicators**

**Measuring economic and operational characteristics such as No. of Enterprises , No. of workers ,Status of working , Fixed capital etc of unincorporated non-agricultural enterprises in manufacturing, trade and other services sectors (excluding construction).**

## Gender Gap in Labour Force – District wise

### Gender Gap in LFPR

| District | Rural | | Urban | |
|---|---|---|---|---|
| | male | female | male | female |
| KSD | 516 | 318 | 431 | 189 |
| KNR | 577 | 220 | 521 | 145 |
| WND | 614 | 223 | 561 | 279 |
| KKD | 562 | 126 | 553 | 108 |
| MLP | 489 | 116 | 424 | 76 |
| PKD | 519 | 209 | 539 | 168 |
| TSR | 560 | 203 | 545 | 209 |
| EKM | 589 | 259 | 569 | 222 |
| IDK | 607 | 385 | 477 | 193 |
| KTM | 619 | 262 | 521 | 187 |
| ALP | 589 | 248 | 564 | 222 |
| PTA | 626 | 257 | 567 | 156 |
| KLM | 533 | 216 | 542 | 180 |
| TVM | 544 | 239 | 530 | 206 |
| ALL | 556 | 214 | 537 | 177 |

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Unemployment Rate

**Unemployment Rate**

| | Rural | Urban |
|---|---|---|
| PS+SS | 6.90% | 6.70% |

Unemployment Rate is the ratio of number of unemployed persons to the number of persons in labour force

## Monthly Per Capita Expenditure

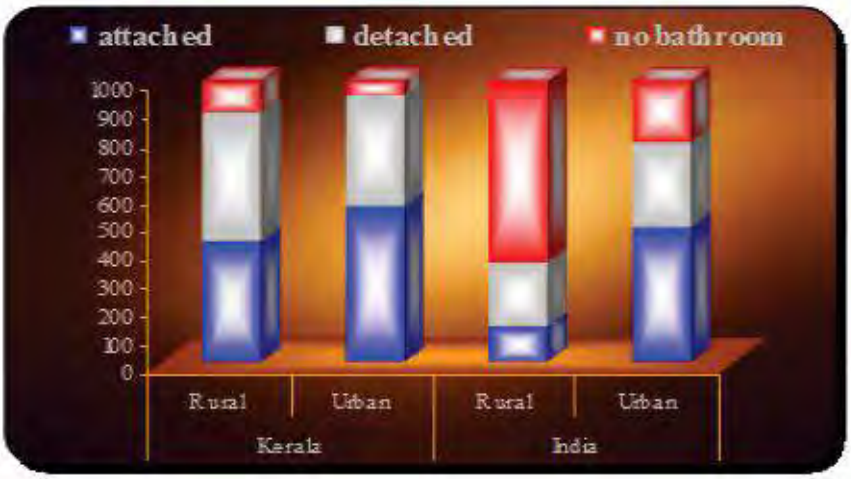
| | |
|---|---|
| Average MPCE Rural | 2533.30 |
| Average MPCE Urban | 3155.85 |
| District with Highest MPCE Rural | Kottayam (Rs.3162.56) |
| District with Lowest MPCE Rural | Kasaragod (Rs.1950.61) |
| District with Highest MPCE Urban | Thiruvananthapuram (Rs.4142.21) |
| District with lowest MPCE Urban | Malappuram (Rs.2238.32) |

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Per 1000 distribution of Household's Source of drinking water

| Major Source of drinking water | Rural + Urban |
|---|---|
| Bottled water | 4 |
| Piped water | 165 |
| Public tap | 62 |
| Tube well | 58 |
| Well | 700 |

**Per 1000 distribution of households by different categories of bathroom facility**



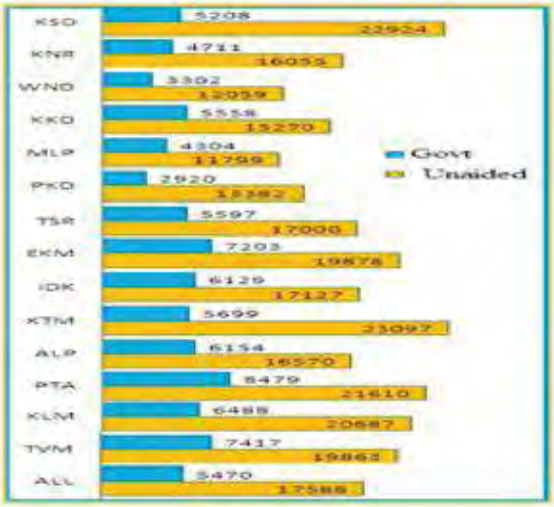

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

**Per 1000 distribution of households by type garbage disposal system**

## Students depending on type of Institution and the reason for preferring unaided institutions

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Expenditure(In Rs) Flow on Education



## STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

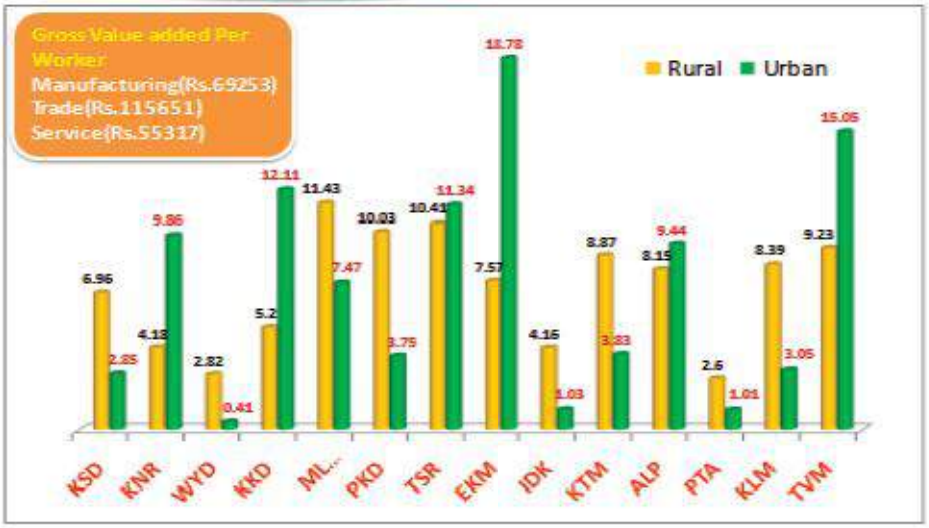
### Female drop outs/ discontinuance in education

| | Percentage of dropped outs/discontinued | | | | |
|---|---|---|---|---|---|
| Age group | 5-15 | 16-17 | 18-24 | 25-29 | 5-29 |
| % | 0.05 | 4.77 | 55.52 | 96.43 | 34.98 |

| Reasons for dropping/discontinuing Education (%) | | | | | |
|---|---|---|---|---|---|
| Not interested in Education | Financial constraints | Engaged in domestic activities | Completed desired level | Marriage | others |
| 11.70 | 10.50 | 11.10 | 15.60 | 29.30 | 21.80 |

## STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

### Percentage Distribution of Unincorporated Non Agricultural Enterprises all over Kerala



STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Health Status

| Category | Public hospital | | Private hospital | |
|---|---|---|---|---|
| | Rural | Urban | Rural | Urban |
| % distribution of women aged 15-49 by place of childbirth | 31 | 63 | 32 | 68 |
| Percentage distribution of cases of hospitalised treatment received | 65.3 | 66.7 | 34.7 | 33.3 |

| Major source of finance for hospitalisation | Rural | Urban |
|---|---|---|
| Household savings | 63 | 32 |
| borrowings | 66.7 | 34.7 |

STATISTICAL DATA ABSTRACT OF KERALA BASED ON RECENT NSS ROUNDS

## Economic Independence – Aged persons(60+)

| Percentage of Economic independence | Rural | | Urban | |
|---|---|---|---|---|
| | Male | Female | Male | Female |
| Do not depended on others | 43.20 | 13.30 | 49.00 | 17.80 |
| Fully depended on others | 34.90 | 66.50 | 31.70 | 57.60 |

# Medical Certification of Cause of Death(MCCD)

I. Diseases of Circulatory System (27.36%).
II. Neoplasm (16.44%).
III. Endocrine, Nutritional and Metabolic Diseases (11.00%).
IV. Diseases of the Respiratory System (10.21%).
V. The Genitourinary System (7.40%)
VI. Diseases of the Digestive System (7.31%)
VII. Certain Infectious and Parasitic diseases (4.87%)
VIII. Injury, Poisoning and certain other consequences of External Causes (3.80%).
IX. Certain condition originating in the perinatal period (2.91%).

Among the cause group 'Diseases of the Circulatory System', 'Ischemic Heart Diseases' (IHD) account for the highest number of deaths (38.69%).

The second leading cause group, Neoplasms (cancer) is responsible for 16.44% of the total medically certified deaths, of which 'Malignant neoplasm of digestive organs' accounts for 26.13%. This is followed by 'Malignant Neoplasms of respiratory and intrathoracic organs' (18.65%) and 'Malignant Neoplasms of Lymphoid, Haematopoietic and Related tissue' (18.05%) accounts more than one-sixth of deaths under this group.

The group of 'Endocrine, Nutritional and Metabolic Diseases' is the third leading cause group accounting for 11.00% of the total medically certified deaths. Under this cause group, 'Diabetes Mellitus' group alone accounts for 88.82% of total deaths reported and 9.77% of total medically certified deaths respectively.

'Diseases of the Respiratory System' is the fourth leading cause group (10.21%). 'Lower Respiratory Disorders' accounting for around 70.97% of the total deaths under this category. The other underline cause in this group is 'Other diseases of the respiratory system including Pneumonia' causing 28.93% of death.

## Medical Certification of Cause of Death(MCCD)

The scheme of Medical Certification of Cause of Death (MCCD) was introduced in the country under the provisions of Registration of Births and Deaths (RBD) Act, 1969. Section 10(2) of the Act empowers the State Government to enforce the provision relating to MCCD in specified areas taking into consideration the availability of medical facilities. Section 10(3) of the Act provides issuing a certificate of the cause of death by the medical practitioner who has attended the deceased at the time of death.

The necessary data is collected in the prescribed forms (Form No.4 for Institutional deaths and Form No.4A for Non-institutional deaths). Both these forms have been designed by World Health Organisation and are supposed to be filled-up by the medical professionals attending to the deceased at the time of terminal illness. Thereafter, these forms are to be sent to the concerned Registrars of Births and Deaths for tabulation as per National list, based on Tenth revision of International Classification of Disease (ICD-10), for onward transmission to the Additional Chief Registrar's Office. The State subsequently sends it to the Office of the Registrar General of India in the standardised format for National level consolidation.

Data on medically certified deaths collected from 149 hospitals of the state have been tabulated in conformity with the ICD-Tenth Revision (ICD-10).

27618 medically certified deaths reported during the year 2017 in which 17160 were males and 10458 were females. This represents 10.78 % of total registered deaths and 18.86% of the institutional death reported from the State.

Around 1.05% of reported medically certified deaths have been of the children aged '5-14'.

In the age group '5-14', major group 'Neoplasms' is in the topmost position with the share of 24.20% in which 54.05% of death is due to 'Leukaemia'. 14.70% of deaths in this age group is due to 'Certain Infectious and Parasitic Diseases'.

Around 1.95% of reported medically certified deaths have been in the age group '15-24'.

In the age-group of '15-24', major group, 'Injury Poisoning & certain other consequences of External causes' is the first among the leading causes contributing around 25.52%. It implies that this age-group of adolescents is most vulnerable to injuries and poisoning related deaths. Around 15.91% of death under this age group is due to 'Neoplasm' in which 51.65% is due to 'Leukaemia'.

Around 2.75% of reported medically certified deaths have been in the age group '25-34'.

In the age-group of '25-34', major group, 'Injury Poisoning & certain other consequences of External causes' is the first among the leading causes contributing around 17.02%. It implies that these age-group of youths are also more vulnerable to injuries and poisoning related deaths. 'Neoplasm' contribute around 15.53% of death under this age group in which 38.40% is due to 'Leukaemia'.

Around 5.41% of reported medically certified deaths have been in the age group '35-44'.

In the age-group '35-44', the first two leading causes are 'Neoplasm' and 'Diseases of Circulatory System' having almost equal shares of 22.36% and 15.29% respectively. 'Diseases of the Digestive System' contributing around 13.83%.

Around 12.92% of reported medically certified deaths have been in the age group '45-54'.

For the age-groups of '45-54', the leading causes of death are 'Neoplasm' and 'Diseases of Circulatory System' having 23.58% and 22.05% respectively. 12.66% of deaths under this age group are related to 'Diseases of the Digestive System' in which 87.27% is due to 'Diseases of the liver'.

21.76% of the total medically certified death comes under the age group '55-64'. In this age group the first leading causes of death is 'Diseases of Circulatory System' (25.51%). The prominent

**Following are nine leading cause-groups of deaths constituting around 91.30% of total medically certified deaths:**

The major group comprising 'The Genitourinary System' is the fifth leading cause accounting for 7.40% of the total medically certified deaths.

'Diseases of Digestive System' is the sixth leading cause group accounting for 7.31% of the total medically certified deaths. Among the deaths due to disorders of digestive system, 'Diseases of the Liver' alone accounts for 78.40% of the total deaths under this group.

The major group 'Certain Infectious and Parasitic Diseases' contributed 4.87% of deaths which is the seventh leading cause mainly constituted by Septicaemia and Tuberculosis. Under this major group, the shares of these two diseases are 22.65% and 20.48% respectively.

The eighth leading cause group 'Injury, Poisoning and certain other consequences of External causes' accounting 3.80% of the total medically certified deaths.

The ninth leading group 'Certain conditions originating in the perinatal period' accounting for 2.91% of the total medically certified deaths. 'Slow foetal growth, foetal malnutrition and immaturity' and 'Hypoxia, birth asphyxia and other respiratory conditions' accounts for 39.86% and 24.97% of the deaths under this group.

**Age-wise:**

Around 4.82% of reported medically certified deaths have been of the infants (age less than 1 year).

About 60.50% of infant deaths have been reported to be caused by 'Certain conditions originating in the perinatal period' and about 32.20% deaths have been caused by 'Congenital Malformations, Deformations and Chromosomal Abnormalities'.

Around 0.74% of reported medically certified deaths have been of the children aged '1-4'.

Among the children aged '1-4', 'Congenital Malformations, Deformations and Chromosomal Abnormalities' have taken the highest toll of 21.10% and 19.72% due to 'Neoplasms' in which 60.47% is due to 'Leukaemia'.

leading causes followed are 'Neoplasm' and 'Endocrine, Nutritional and Metabolic Diseases' having percentage of 22.24 and 12.73 respectively. Under Neoplasm, 28.65% death comes under 'Malignant neoplasm of digestive organs'. Under 'Endocrine, Nutritional and Metabolic Diseases', 94.33% due to 'Diabetes mellitus'.

For the age-group 65-69 years, the leading causes of death is 'Diseases of Circulatory System' (32.63%). The cause 'Neoplasm' is the next major cause of death (16.09%).

The age group 70 and above contribute the maximum incidence (34.23%) of total medically certified deaths. The leading causes of death are 'Diseases of Circulatory System' (37.65%). The cause 'Diseases of the Respiratory System' is the next major cause which contributed 14.63%.

**Gender-wise:**

Out of total medically certified death, 61.55% are from males and 38.45% from female. There is significant difference between males and females for all age groups under medically certified deaths.

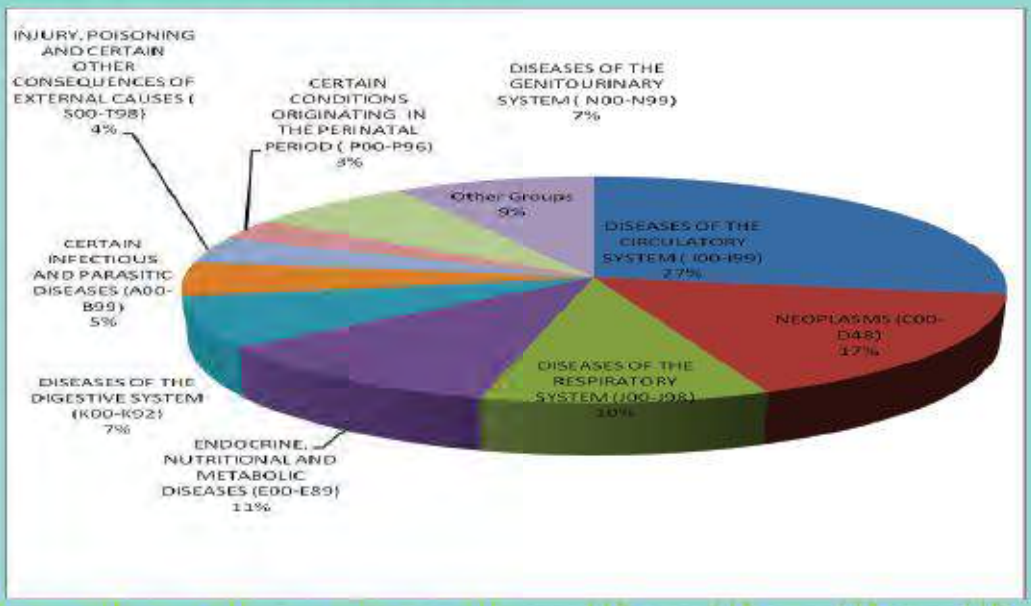
For infant, age less than one year, 55.32% of deaths are from male and 44.68% female.

The difference in percentage is significantly high in the age group above 25 years (males-61.99%, females-38.01%) and it is maximum in the age group '55-64'(males-67.04%, females-32.96%).

## Medically Certified Deaths by Sex and leading cause-groups during 2017

| Sl,No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | Number | % | Number | % | Number | % |
| 1 | Diseases of the circulatory system ( I00-I99) | 4667 | 25.90 | 3343 | 29.69 | 8010 | 27.36 |
| 2 | NEOPLASMS (C00-D48) | 2961 | 16.43 | 1853 | 16.46 | 4814 | 16.44 |
| 3 | Endocrine, Nutritional and Metabolic Diseases (E00-E89) | 1730 | 9.60 | 1491 | 13.24 | 3221 | 11.00 |
| 4 | Diseases of the respiratory system (J00-J98) | 1982 | 11.00 | 1008 | 8.95 | 2990 | 10.21 |
| 5 | Diseases of the Genitourinary System ( N00-N99) | 1365 | 7.57 | 802 | 7.12 | 2167 | 7.40 |
| 6 | Diseases of the digestive system (K00-K92) | 1639 | 9.09 | 500 | 4.44 | 2139 | 7.31 |
| 7 | Certain Infectious and Parasitic Diseases (A00-B99) | 925 | 5.13 | 501 | 4.45 | 1426 | 4.87 |
| 8 | Injury, Poisoning and Certain Other Consequences of External Causes ( S00-T98) | 787 | 4.37 | 327 | 2.90 | 1114 | 3.80 |
| 9 | Certain conditions originating in the perinatal period ( P00-P96) | 484 | 2.69 | 369 | 3.28 | 853 | 2.91 |
| 10 | Other Groups | 1481 | 8.22 | 1065 | 9.46 | 2546 | 8.70 |
| | | 18021 | 100 | 11259 | 100 | 29280 | 100 |

Percentage of deaths under MCCD by leading cause group

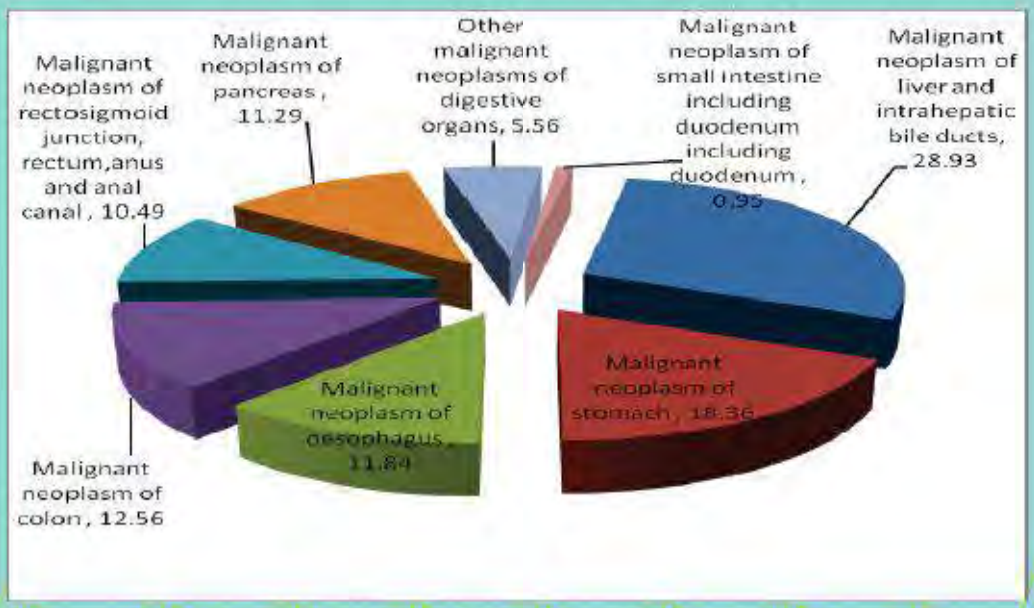


**Neoplasms/Cancer (II), (C00-D48):**

Distribution of major causes of deaths among 'Neoplasms'

| Sl. No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | No. | % | No. | % | No. | % |
| 1 | Malignant neoplasms of digestive organs (C15-C26) | 887 | 29.96 | 371 | 20.02 | 1258 | 26.13 |
| 2 | Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96) | 517 | 17.46 | 352 | 19.00 | 869 | 18.05 |
| 3 | Malignant neoplasms of respiratory and intrathoracic organs (C30-C39) | 735 | 24.82 | 163 | 8.80 | 898 | 18.65 |
| 4 | Malignant neoplasms of genitourinary organs (C51-C68) | 222 | 7.50 | 240 | 12.95 | 462 | 9.60 |
| 5 | Malignant neoplasms of bone, mesothelial and soft tissue,skin and breast (C40-C50) | 47 | 1.59 | 399 | 21.53 | 446 | 9.26 |
| 6 | Malignant neoplasms of other and unspecified sites (C73-C80 & C97) | 179 | 6.05 | 159 | 8.58 | 338 | 7.02 |
| 7 | Malignant neoplasms of lip, oral cavity and pharynx (C00-C14) | 259 | 8.75 | 65 | 3.51 | 324 | 6.73 |
| 8 | Other Groups | 115 | 3.88 | 104 | 5.61 | 219 | 4.55 |
| | **Total Medically Certified Deaths due to Neoplasm** | **2961** | **100** | **1853** | **100** | **4814** | **100** |
| | **Deaths due to Neoplasm as percentage to total medically certified deaths** | **2961** | **16.43** | **1853** | **16.46** | **4814** | **16.44** |

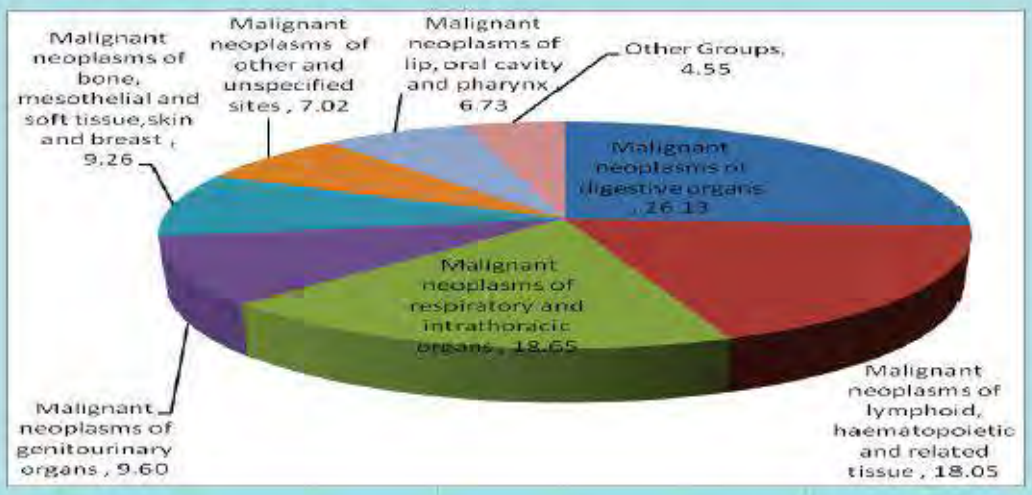
Percentage distribution of major causes of deaths due to 'Neoplasms'



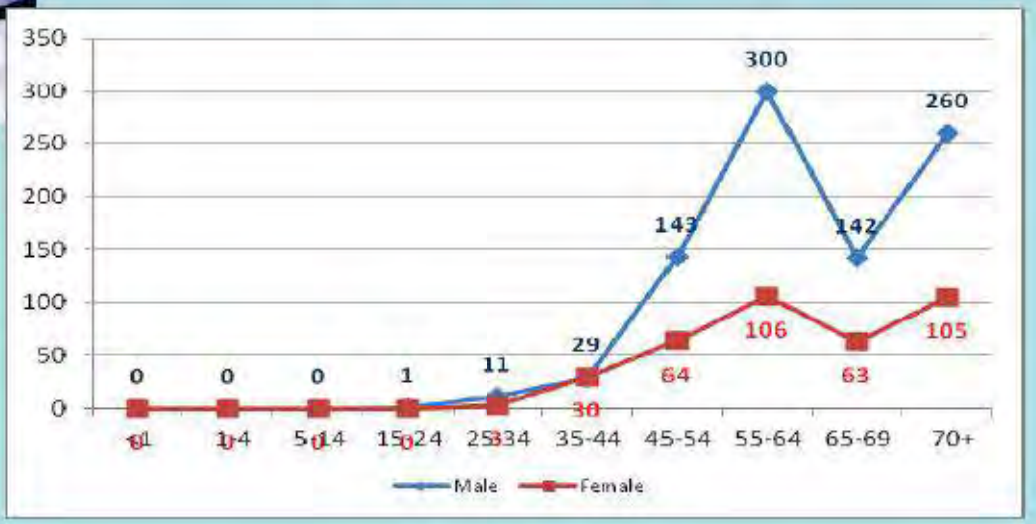
## Distribution of major causes of deaths among 'Malignant Neoplasms of Digestive Organs'

| Sl, No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | No. | % | No. | % | No. | % |
| 1 | Malignant neoplasm of liver and intrahepatic bile ducts | 309 | 34.84 | 55 | 14.82 | 364 | 28.93 |
| 2 | Malignant neoplasm of stomach | 158 | 17.81 | 73 | 19.68 | 231 | 18.36 |
| 3 | Malignant neoplasm of colon | 92 | 10.37 | 66 | 17.79 | 158 | 12.56 |
| 4 | Malignant neoplasm of oesophagus | 112 | 12.63 | 37 | 9.97 | 149 | 11.84 |
| 5 | Malignant neoplasm of pancreas | 86 | 9.70 | 56 | 15.09 | 142 | 11.29 |
| 6 | Malignant neoplasm of rectosigmoid junction, rectum,anus and anal canal | 76 | 8.57 | 56 | 15.09 | 132 | 10.49 |
| 7 | Other malignant neoplasms of digestive organs | 47 | 5.30 | 23 | 6.20 | 70 | 5.56 |
| 8 | Malignant neoplasm of small intestine including duodenum including duodenum | 7 | 0.79 | 5 | 1.35 | 12 | 0.95 |
| | **Total Medically Certified Deaths due to 'Malignant neoplasms of digestive organs '** | **887** | **100** | **371** | **100** | **1258** | **100** |
| | Deaths due to 'Malignant neoplasms of digestive organs' as percentage to total Neoplasm deaths. | | 29.96 | | 20.02 | | 26.13 |

Percentage distribution of major causes of deaths due to 'Malignant Neoplasms of Digestive Organs' under MCCD – 2017



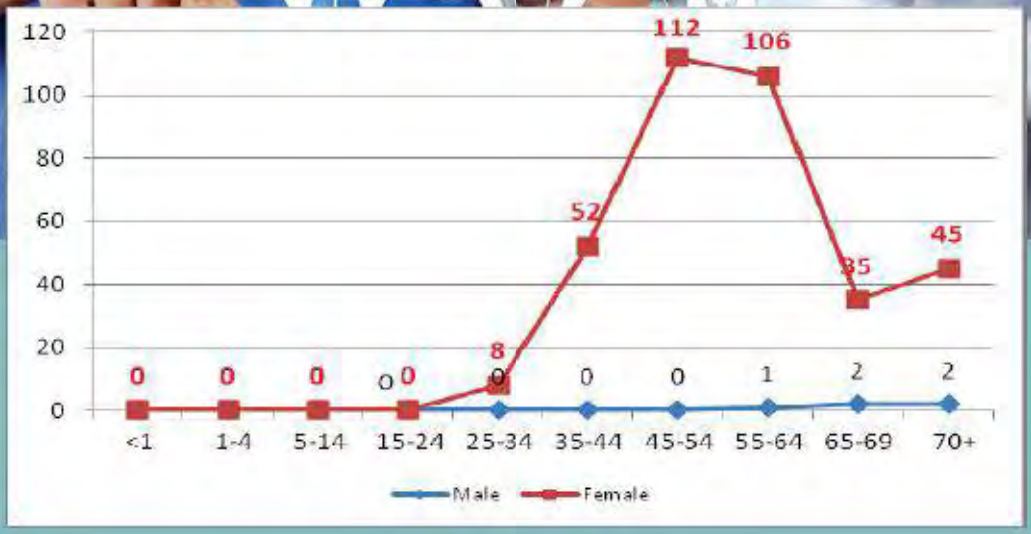
Age distribution of deaths due to 'Malignant Neoplasms of Digestive Organs'




Distribution of major causes of deaths among 'Malignant Neoplasms of Respiratory and Intra Thoracic Organs'

| Sl,No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | No. | % | No. | % | No. | % |
| 1 | Malignant neoplasm of larynx | 59 | 8.03 | 6 | 3.68 | 65 | 7.24 |
| 2 | Malignant neoplasm of trachea, bronchus and lung | 669 | 91.02 | 156 | 95.71 | 825 | 91.87 |
| 3 | Other malignant neoplasm of respiratory and intrathoracic organsintrathoracic organs | 7 | 0.95 | 1 | 0.61 | 8 | 0.89 |
| | **Total Medically Certified Deaths due to Malignant neoplasms of respiratory and intrathoracic organs** | **735** | **100** | **163** | **100** | **898** | **100** |
| | **Deaths due to 'Malignant neoplasms of respiratory and intrathoracic organs' as percentage to total Neoplasm deaths.** | **2961** | **24.82** | **1853** | **8.80** | **4814** | **18.65** |

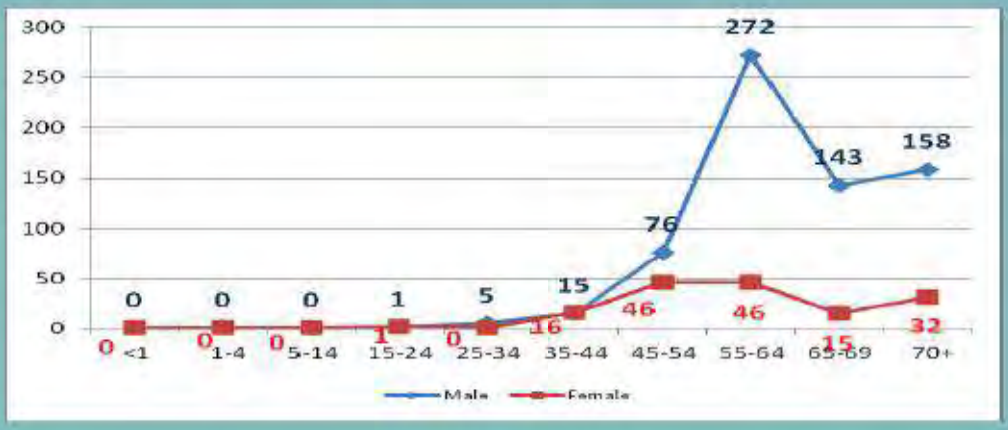
Age distribution of deaths due to 'Malignant Neoplasm of Breast'




Distribution of major causes of death due to 'Diseases of Digestive System'

| Sl, No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | No. | % | No. | % | No. | % |
| 1 | Paralytic ileus and intestinal obstruction without hernia | 31 | 1.89 | 17 | 3.40 | 48 | 2.24 |
| 2 | Peritonitis | 19 | 1.16 | 8 | 1.60 | 27 | 1.26 |
| 3 | Diseases of the liver | 1332 | 81.27 | 345 | 69.00 | 1677 | 78.40 |
| 4 | Disorders of the pancreas ' | 54 | 3.29 | 17 | 3.40 | 71 | 3.32 |
| 5 | All other diseases of the other parts of digestive system | 171 | 10.43 | 88 | 17.60 | 259 | 12.11 |
| 6 | Other Groups | 32 | 1.95 | 25 | 5.00 | 57 | 2.66 |
| | **Total Medically Certified Deaths due to digestive system** | **1639** | 100.00 | **500** | 100.00 | **2139** | 100.00 |
| | **Deaths due to digestive system as percentage to total medically certified deaths** | **1639** | **9.09** | **500** | **4.44** | **2139** | **7.31** |

Age distribution of deaths due o 'Malignant Neoplasm of Lungs'




Age distribution of deaths due to 'Leukaemia'

Age & Sex wise distribution of deaths due to 'Fractures, Other injuries of specified, unspecified and multiple body regions, Intracranial and internal injuries, including nerves'

Distribution of Major Causes of deaths among 'Certain Conditions Originating in the Perinatal Period

| Sl. No | CAUSE OF DEATH | SEX | | | | | |
|---|---|---|---|---|---|---|---|
| | | Male | | Female | | Total | |
| | | No. | % | No. | % | No. | % |
| 1 | Slow fetal growth, fetal malnutrition | 175 | 36.16 | 165 | 44.72 | 340 | 39.86 |
| 2 | All other conditions originating in the perinatal period | 151 | 31.20 | 126 | 34.15 | 277 | 32.47 |
| 3 | Hypoxia, birth asphyxia and other respiratory conditions | 143 | 29.55 | 70 | 18.97 | 213 | 24.97 |
| 4 | Haemolytic disease of fetus and new-born | 1 | 0.21 | 1 | 0.27 | 2 | 0.23 |
| 5 | Birth trauma | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 6 | Other perinatal jaundice | 14 | 2.89 | 7 | 1.90 | 21 | 2.46 |
| | Total Medically Certified Deaths due to CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD | **484** | **100** | **369** | **100** | **853** | **100** |
| | Deaths due to CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD as percentage to total medically certified deaths | | **2.69** | | **3.28** | | **2.91** |

Prices Division
& Market Intelligence

The importance and utility of the information pertaining to the price movements affect all sectors of the economy. Both the scope and coverage of the price collection has undergone many changes and it is the duty of the Department to collect price data and thereby produce qualitative data on the prices. The problems of identification of prices are many when market price quotations are recorded or reported. It is rather difficult to arrive at concise quotations when there is a variety of price in the market at a given time. A quotation has to be specific with reference to the commodity, the market, the time and services incident to the trading and it has to be significant as representative of the transactions taking place in a market. The Department of Economics & Statistics collects various types of prices. The prices data are generally classified into three, viz., Farm price, Wholesale price, and Retail price. These data are utilized for the computation of economic indicators to get clear picture of the price movements in the economy.

**Farm Price**

The Department of Economics and Statistics is collecting the Farm Price of major agricultural commodities cultivated by the farmers of the State from 1954 onwards. Farm Prices are usually classified into Farm Wholesale prices and Farm Retail Prices.

The Farm Price of a commodity is defined as the wholesale price, which the farmer gets at the farm gate to a relatively large transaction of selling regularly for further sale. Prices received by farmers for their produce are, in principle, the prices realized by them for that produce at the farm-gate.The concept normally used is that of the price actually or notionally received at the farm-gate. For agricultural products for which actual farm-gate prices are not available, notional farm-gate prices must be estimated by deducting transportation charges, marketing expenses and taxes, etc., paid by the farmer per unit quantity from the appropriate wholesale or retail price.

The retail price of a commodity is defined as the price, which the ultimate consumer pays for relatively small transactions of the commodity. Farm gate sales are most common in the form of either retail outlets on the farm itself or roadside farm stands, or in wholesale market.

*The Farm Wholesale* Price *data are being collected from all Taluks in the State on a fortnightly basis. For this purpose, 60 wholesale commodities are selected which have a marketable surplus. Farm Retaile Price of about 45 agricultural commodities are being collected by this department on monthly basis as per the G O (MS) 83/75LBR dt 01/10/75* since January 1976 .However, it does not mean that all these crops are cultivated in all the taluks.

| State average of Farm Wholesale Price | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Variety | Unit | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 |
| Paddy | Nadan | Qtl | 1938.9 | 1968.8 | 1947.5 | 2038 | 1935 | 1743.8 | 1756.3 | 1781.3 | 1853.6 | 1893 |
| Paddy | H/Y | Qtl | 2074.4 | 2113.5 | 2128.9 | 2161 | 2164.3 | 1973.3 | 1944.4 | 1955.6 | 1821.7 | 1907 |
| Coconut Nos | Without husk | 100 | 2083.6 | 2103.2 | 1974.2 | 1966 | 1939.4 | 1908.8 | 1869.6 | 1884.4 | 1801.8 | 1703 |
| Coconut Nos | With husk | 100 | 2067.4 | 2084.6 | 1946.4 | 1938 | 1914.2 | 1877.1 | 1848.8 | 1863.1 | 1789.8 | 1686 |
| Arecanut Nos | | 100 | 147.07 | 150.41 | 161.88 | 165.4 | 175.45 | 210 | 242.65 | 246.5 | 197.33 | 167 |
| Cashewnut | With husk | Qtl | 13800 | 14086 | 13662 | 11732 | 9537.5 | 7860 | 7650 | - | - | - |
| Pepper | Dry | Qtl | 39557 | 38470 | 36681 | 35491 | 34992 | 33528 | 31314 | 33920 | 35033 | 35394 |
| Cardamom | | Kg | 908.57 | 956.43 | 942.5 | 899.6 | 855.71 | 862.5 | 923.21 | 979.17 | 1098.3 | 1114 |
| Ginger | | Qtl | 3001.9 | 2951.7 | 3051.9 | 3565 | 4723.3 | 5525 | 5766.7 | 6828.7 | 6217.3 | 6440 |
| Ginger Dry | | Qtl | 9187.5 | 8618.8 | 9340.9 | 9135 | 9544.4 | 9368.8 | 9057.1 | 8820 | 10438 | 10500 |
| Tapioca(Raw) | | Qtl | 1383.1 | 1362.7 | 1365.1 | 1368 | 1355.1 | 1349.6 | 1417.8 | 1577.6 | 1739.6 | 1793 |
| Banana | | Qtl | 2817.2 | 3101.6 | 3441.4 | 3812 | 4374.8 | 4276.2 | 4245 | 4689.2 | 3832.4 | 3675 |

**Market Wholesale Prices**

The wholesale price is to be taken as the rate at which a relatively large transaction of purchase regularly for further sale is effected.Wholesale prices are generally classified into three: (i) Primary (P) (ii) Secondary (S) and (iii) Terminal (T). The primary wholesale price is the rate at which transactions take place *between* the producer or cultivator and the wholesaler in the market. The secondary wholesale price on the other hand is the rate at which transations take place between one wholesaler and another in the market.In the terminal market, the final wholesale transactions take place from the wholesaler to the retail merchants or to the exporters. *Daily Market Wholesale price of about 50 items are collected daily from 42 selected centers and weekly wholesale prices are collected from 46 centers. Number of commodities may vary from center to center.*

**Retail Prices**

The "Retail price" of a commodity is defined as the price, which the ultimate consumer pays for relatively small transactions of the commodity.

**Different types of prices collected by This Department**

*Daily Retail Prices Of Essential Commodities*

Variation in the retail prices of essential commodities have an immediate effect in the income of the individual and consequently on the economy as a whole. *Retail prices of about 50 essential*

*items(medium quality) are collected daily from all district head quarters.* In addition to this *price of 13 items are also collected.* In addition to this 20+ 9 selected items prices are also collected.

*State Monthly Average Retail Prices of Certain Essential Commodities*

| Name of Commodity | Unit | Nov-18 | Dec-18 | avg upto 18/01/19 | Name of Commodity | Unit | Nov-18 | Dec-18 | avg upto 18/01/19 |
|---|---|---|---|---|---|---|---|---|---|
| CEREALS | | | | | OTHER FOOD ITEMS | | | | |
| Rice (Red) Open Market | | | | | Sugar(O.M) | Kg. | 37.57 | 36.97 | 36.69 |
| Rice(red)open market Matta | Kg. | 38.32 | 37.48 | 37.32 | Palmgur | Kg. | 151.23 | 152.23 | 152.56 |
| Rice(red)open market Nadan | Kg. | 38.06 | 37.57 | 37.74 | Canegur | Kg. | 54.53 | 53.88 | 53.14 |
| Rice (white) open market | | | | | Milk (Milma) | Ltr. | 40.64 | 40.64 | 40.74 |
| Rice(white)open mrkt Andhra Vella | Kg. | 35.95 | 36.19 | 36.15 | Egg Hen's (Nadan) | Dozen | 80.76 | 81.99 | 81.92 |
| PULSES | | | | | Egg Hen's (White lagon) | Dozen | 55.92 | 58.04 | 58.88 |
| Green gram | Kg | 85.68 | 86.89 | 87.43 | OIL AND OIL SEEDS | | | | |
| Green gram Dhal | Kg. | 90.28 | 90.07 | 90.17 | Coconut oil(Loose) | Kg | 175.89 | 182.27 | 199.90 |
| Black gram split w/o husk | Kg | 86.58 | 89.15 | 89.67 | Coconut oil( Kera) | Ltr. | 203.87 | 200.51 | 204.49 |
| Black gram split with husk | Kg | 85.55 | 87.00 | 88.25 | Coconut oil( KLF Nirmal) | Ltr. | 210.00 | 227.50 | 243.33 |
| Black gram with out husk | Kg | 84.85 | 88.55 | 88.62 | Groundnut oil(Gold winner) | Ltr. | 0.00 | 0.00 | 0.00 |
| Redgram | Kg. | 68.37 | 69.43 | 70.10 | Groundnut oil(Dhara) | Ltr. | 164.00 | 164.00 | 164.00 |
| Dhal(Tur) | Kg | 82.88 | 84.96 | 85.33 | Groundnut oil(Loose) | Ltr. | 155.13 | 155.75 | 156.08 |
| Bengalgram Bold | Kg | 74.52 | 77.25 | 77.00 | Refined Oil (Gold Winner) | Ltr. | 96.98 | 97.08 | 97.03 |
| Bengalgram small | Kg | 67.33 | 71.75 | 72.00 | Gingelly oil(Pavithram) | Ltr. | 196.32 | 208.00 | 215.36 |
| Peas Dhal | Kg. | 62.31 | 64.38 | 64.69 | Gingelly oil(Idayam) | Ltr. | 254.90 | 260.65 | 276.90 |
| SPICES AND CONDIMENTS | | | | | Gingelly oil(Swmam) | Ltr. | 198.24 | 207.30 | 218.12 |
| Coriandar | Kg. | 86.90 | 90.54 | 91.24 | Mustard oil(Dhara) | Ltr. | 135.75 | 134.25 | 134.25 |
| Chillies dry | Kg. | 125.36 | 127.80 | 128.55 | Mustard oil(Fortune) | Ltr. | 144.00 | 139.40 | 139.07 |
| Onion small | Kg. | 53.91 | 45.77 | 42.38 | Vanaspathi (Dalda) | Ltr. | 96.86 | 97.54 | 98.02 |
| Tamerind without seeds loose | Kg. | 166.50 | 165.89 | 164.88 | Coconut without husk | 10 nos | 174.48 | 193.07 | 212.30 |

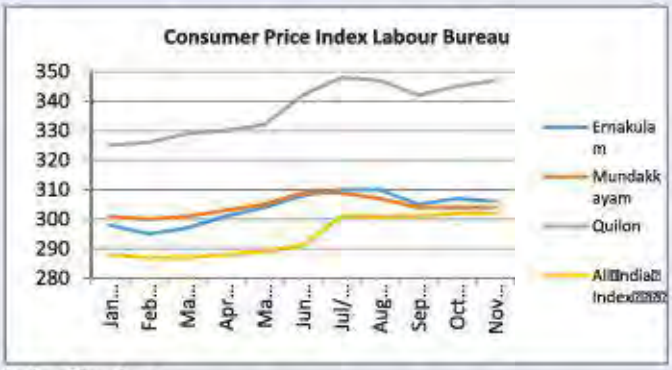
| Name of Commodity | Unit | Nov-18 | Dec-18 | avgupto 18/01/19 | Name of Commodity | Unit | Nov-18 | Dec-18 | avgupto 18/01/19 |
|---|---|---|---|---|---|---|---|---|---|
| Cuminseed | 100gm | 29.46 | 29.61 | 29.76 | Coconut without Husk | Kg | 36.65 | 39.79 | 44.79 |
| Mustard | 100gm | 9.12 | 9.21 | 9.17 | TUBERS | | | | |
| Methy | 100gm | 9.64 | 9.52 | 9.48 | Chenai | Kg. | 34.25 | 33.29 | 33.6 |
| Turmeric(Powder) | 100gm | 18.47 | 18.46 | 18.5 | Tapioca Raw | Kg. | 26.72 | 27.06 | 26.72 |
| Garlic | 100gm | 6.51 | 6.29 | 6.04 | Potato | Kg. | | 29.91 | 30.36 |
| FRUITS AND VEGETABLES | | | | | Colocassia | Kg. | 50.68 | 55.36 | 58.21 |
| Onion big | Kg. | 24.23 | 18.75 | 18.62 | Beetroot | Kg. | 32.42 | 36.05 | 36.71 |
| Brinjal | Kg. | 33.48 | 33.68 | 35.21 | Carrot | Kg. | 55.95 | 45.45 | 42.79 |
| Pumpkin | Kg. | 19.14 | 18.43 | 18.71 | OTHERS | | | | |
| Cucumber | Kg. | 20.95 | 20.52 | 20.52 | Mutton With bones | Kg. | 550.71 | 553.1 | 557.14 |
| Ladies Finger | Kg. | 31.79 | 32.98 | 46.38 | Chicken - Broiler (Dressed) | Kg. | 162.29 | 165.39 | 163.32 |
| Beans English | Kg. | 41.37 | 45.18 | 49.19 | Chicken Broiler (Live) | Kg | 104.74 | 107.38 | 107.19 |
| Beans Nadan (amarakka/kothavara) | Kg. | 32.74 | 31.13 | 35.58 | Pepper - Nadan | Kg. | 462.48 | 452.77 | 444.79 |
| BeansNadan(Vallippayar) | Kg. | 44.03 | 42.45 | 46.29 | Pepper - High Yield | Kg. | 532 | 510.33 | 515.5 |
| BeansNadan(Achingapayar) | Kg. | 35.57 | 34.75 | 36.95 | Tea Kannan Devan(Packet) | 500 gm | 145.4 | 145.79 | 146.57 |
| Cabbage | Kg. | 25.87 | 25.16 | 27.52 | Coffee Brooke Bond Gr. L | 500 gm | 161.62 | 161.62 | 161.62 |
| Bittergourd | Kg. | 44.26 | 42.68 | 45.36 | Firewood split Local | Quintal | 486.67 | 486.67 | 486.67 |
| Ash gourd | Kg. | 21.7 | 21.13 | 21.9 | Cement ord.paper bag Sanker | Each | 396.5 | 391.19 | 405.47 |
| Snake gourd | Kg. | 31.23 | 29.98 | 30.62 | Cement ord.paper bag Chettinad | Each | 383.1 | 377.83 | 387.36 |
| Tomato | Kg. | 21.41 | 25.21 | 41.05 | Cement ord. poly bag Ramco | Each | 391.27 | 385.5 | 400.75 |
| Chillies green | 100gm | 4.2 | 4.69 | 5.6 | Cement ord. poly bag Sanker | Each | 391.5 | 386.19 | 400.16 |
| Banana green | Kg. | 39.65 | 43.54 | 44.69 | Cement ord. poly bag Chettinad | Each | 377.25 | 372.5 | 380.11 |
| Plantain green | Kg. | 30.15 | 31.14 | 31.95 | Steel 8 mm. | Kg. | 55.94 | 54.95 | 55.56 |

### *Wholesale and Retail prices of Fruits*

Wholesale and Retail prices of Fruits are also collected on a weekly basis

***Wholesale & Retail Prices of Salt***

Weekly whole sale and retail prices of salt are collected from 3 centres viz., Thiruvananthapuram, Eranakulam and Kozhikode. Moreover monthly details of stock as well as wholesale and retail prices of salt are also collected from District Head Quarters




***Weekly prices of Cocoa***

Weekly prices of Cocoa are collected from 9 centres viz. Pulimkunnu, Kottayam, Kattappana,Pala,Thodupuzha,Thrissur,Moovattulpuzha,Thiruvalla, Kothamangalam .

**Index Numbers**

Index number is a device to quantify the change in a group of related variables over two different situations. It is a technique of estimating general trends in prices, production and other economic and social variables ie Group of variables may be the prices of a specified set of commodities, the volumes of production in different sectors of an industry, the marks obtained by a student in different subjects and so on. Two different situations may be two different times, two different places etc. Index numbers is an important tool usually used to measure the pulse of the economy. Index numbers play a vital role in Business planning and drafting of executive policies.

***Consumer price index numbers***

Consumer Price Index (CPI) is designed to measure the changes over time in the level of retail prices of a fixed set of goods and services (Consumption basket) consumed by an average family of a defined population group at a particular place.

CPI numbers are widely used as macroeconomic indicator of inflation, and also as a tool by government and central banks for targeting inflation and monitoring price stability. CPI is also used as deflators in the National Accounts. Therefore, CPI is considered as one of the most important economic indicators.

***Consumer price index numbers for industrial workers and agricultural labourers.***

The present Consumer Price Index Numbers for Agricultural and Industrial workers coming under the purview of Minimum wage act 1948 in the state of Kerala are being computed on the basis of the Family Budget Survey carried out during 2011_12. The current prices are being collected from 22

***Retail prices of dietary articles***

The collection of market rate of dietary and other hospital necessaries was taken up by this department in 1968. Government as per G.O. (RT) 147/70/Plg. Dated: 19th June 1970 declared the department a permanent agency for collection and compilation of dietary and allied articles on a quarterly basis. These prices are utilised by various medical institutions throughout the state for the settlement of contracts for the supply of dietary and non-dietary articles.*At present, the market rate of about 158 items are being collected from all Taluk headquarters on the Second Thursday and Friday of the last month of every quarter. In the first quarter, an additional of about 106items are also being collected*.

***Retail prices of 18 notified species of forest produce***

The market rate of 18 notified species of forest produce plus price of Accasia are being collected monthly from the important timber markets of Kollam, Kottayam, Eranakulam and Kozhikode. The prices prevailing in *the*neighbouring States of Karnataka, Tamil Nadu, Telangana and Andra Pradesh for these items are also collected annually.

***Retail Prices of Ayurveda raw materials***

prices of more than 400 items of Ayurvedic raw materials are being collected by this Directorate once in an year, as and when the request is made by the concerned Ayurveda College.Prices are collected from the selected shops in Thiruvananthapuram and Ernakulam.

***Market Rate of Waste Paper***

Market rate of *different* items (seven) of waste paper are being collected from district head quarters on a monthly basis. This is mainly intended for fixing rate for the disposal of wastes paper from the Government Offices.

***Coir, raw and rotted husk, coconut shells prices***

Information on prices of selected varieties of coir at important coir producing centres of the State is being collected by this Department. This Department collects the information on prices of raw and rotted husk. These data are being forwarded to the Coir Board.

***Weekly prices of spices***

Weekly prices of Nutmeg, Mace, Cinnamon cloves etc are collected from Kottayam Idukki, Wayanad and Thrissur centers

centres across the state to compute CPI for 17 centers. Consumer Price Index ( Industrial Workers and Agricultural Labourers)with base 1998-99=100.

| Center | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 |
|---|---|---|---|---|---|---|---|---|---|---|
| Thiruvananthapuram | 155 | 153 | 151 | 152 | 153 | 155 | 156 | 156 | 153 | 154 |
| Kollam | 149 | 148 | 147 | 148 | 149 | 151 | 153 | 152 | 150 | 152 |
| Punalur | 152 | 151 | 149 | 150 | 151 | 153 | 154 | 153 | 150 | 151 |
| Pathanamthitta | 160 | 159 | 158 | 160 | 160 | 163 | 165 | 166 | 164 | 165 |
| Alappuzha | 155 | 154 | 153 | 155 | 158 | 162 | 165 | 163 | 161 | 161 |
| Kottayam | 158 | 156 | 156 | 157 | 158 | 160 | 162 | 162 | 161 | 162 |
| Mundakayam | 150 | 148 | 147 | 149 | 149 | 153 | 156 | 155 | 153 | 155 |
| Munnar | 152 | 150 | 150 | 151 | 152 | 153 | 157 | 157 | 155 | 156 |
| Ernakulam | 152 | 151 | 151 | 152 | 153 | 154 | 157 | 156 | 155 | 156 |
| Chalakkuddy | 158 | 156 | 156 | 157 | 159 | 160 | 163 | 164 | 160 | 163 |
| Thrissur | 154 | 153 | 152 | 154 | 156 | 159 | 162 | 162 | 158 | 161 |
| Palakkad | 146 | 146 | 145 | 145 | 147 | 148 | 150 | 151 | 151 | 151 |
| Malappuram | 150 | 149 | 149 | 154 | 157 | 160 | 161 | 156 | 153 | 157 |
| Kozhikode | 156 | 156 | 156 | 158 | 159 | 162 | 164 | 162 | 160 | 161 |
| Meppady | 154 | 152 | 152 | 153 | 156 | 158 | 161 | 159 | 157 | 158 |
| Kannur | 160 | 159 | 158 | 160 | 162 | 165 | 167 | 166 | 163 | 163 |
| Kasargod | 158 | 155 | 156 | 159 | 162 | 165 | 167 | 162 | 158 | 163 |

### *Consumer Price Index (Rural/Urban/Combined) with base 2018 (new)*

This new series of CPI will be launched shortly. CPI numbers presently compiled and released at state level reflect the fluctuations in retail prices pertaining to specific segments (industrial workers coming under the pur view of Minimum Wage Act 1948and agricultural labourers of population) in the state.These indices do not encompass all the segments of the population in the state and as such do not reflect the true picture of the price behavior and effect of price fluctuations of various goods and services consumed by the general population in the country, over a period of time in the state. As per the direction of CSO, the Department of Economics and Statistics has decided to compile new series of CPI for the entire urban population, viz. CPI (Urban), and CPI for the entire rural population, viz. CPI (Rural), which would reflect the changes in the price levels of various goods and services consumed by the urban and rural population. These new indices are compiled at district level.

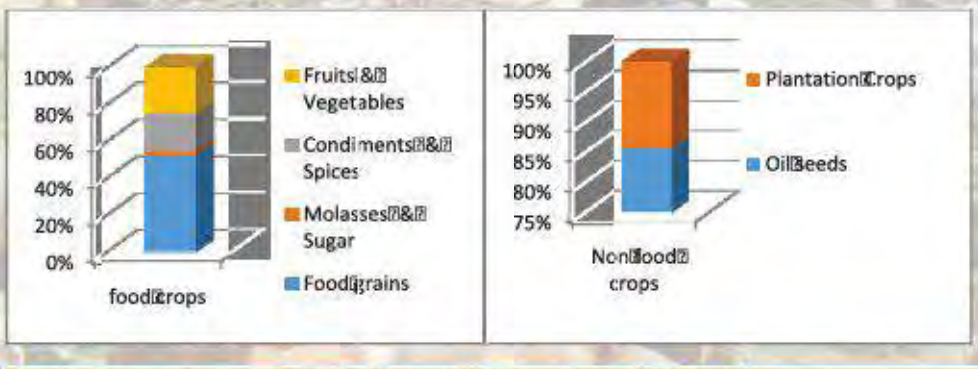
### *Wholesale Price Index Numbers*

The index numbers relate to the wholesale prices of important agricultural commodities produced and transacted in the State with the agricultural year 1952-53 as the base. These indices are computed every month. The centres are selected taking into consideration the relative importance of

the area with regard to production and marketing of agricultural commodities. In the calculation of the index 17 important agricultural commodities are included.

These commodities are grouped into two main classes, viz.(1) Food crops and (2) Non Food Crops. Food crops are further divided into four namely, (i) Food grains – Rice (ii)Sugar (Molasses) (iii) Condiments and spices – Pepper, Ginger, Turmeric, Arecanut, Cardamom. (iv) Fruits and vegetables – Banana, Tapioca, Cashew nut.Non- food crops are subdivided into two, Viz.(i) Oil seeds – Coconut, Ground nut, Sesamum, Lemongrass, Oil. (ii) Plantain Crops- Tea, coffee, Rubber.

**Wholsale price Index with base 1952-53=100 – November 2018**




| Groupwise Wholesale Price Index *with base 1952-53=100* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sub Gorup/Group** | **Jan-18** | **Feb-18** | **Mar-18** | **Apr-18** | **May-18** | **Jun-18** | **Jul-18** | **Aug-18** | **Sep-18** | **Oct-18** | **Nov-18** |
| Food grains | 8021 | 7974 | 7915 | 7845 | 7783 | 7752 | 7640 | 7607 | 7558 | 7454 | 7385 |
| Molasses & Sugar | 8143 | 7908 | 7454 | 7477 | 7314 | 7484 | 7387 | 8114 | 7374 | 7353 | 7616 |
| Condiments & Spices | 10997 | 11730 | 11904 | 12234 | 13412 | 17353 | 23665 | 19229 | 12601 | 12316 | 11330 |
| Fruits & Vegetables | 13293 | 15567 | 15496 | 14745 | 12957 | 11607 | 12103 | 13098 | 13533 | 13532 | 13359 |
| Food crops | 9401 | 9867 | 9831 | 9715 | 9560 | 9960 | 10998 | 10446 | 9384 | 9271 | 9045 |
| Oil seeds | 12430 | 12696 | 11899 | 11588 | 11553 | 11098 | 10587 | 10410 | 10770 | 10313 | 10177 |
| Plantation Crops | 3994 | 3959 | 4010 | 3978 | 3936 | 4105 | 3969 | 4085 | 4169 | 4042 | 4001 |
| Non -Food crops | 9882 | 10057 | 9516 | 9290 | 9253 | 8986 | 8589 | 8500 | 8776 | 8419 | 8312 |
| Wholesale Price Index | 9577 | 9937 | 9716 | 9560 | 9448 | 9604 | 10119 | 9735 | 9162 | 8960 | 8778 |

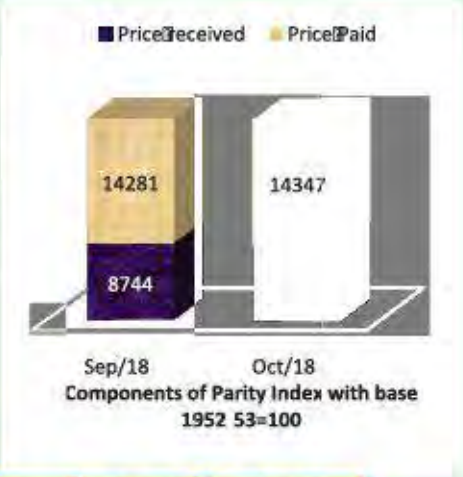
## *Parity Index Numbers*

Parity index numbers indicate the level of the prosperity of the farmers. It indicates the state of affairs of the farmers receiving value for the products and expending money for cultivation of the crops and for their own living. It is the ratio of the index of prices received by the farmers and the index of prices paid by the farmers, expressed as percentage.

**Index Numbers with base 1952-53=100**

The index of prices paid by the farmers is the GM of index of domestic expenditure and index of farm cultivation cost. The base year of the Index is 1952_53 (Agriculture Year).

Parity Index with new base (2018=100) will be launched soon




| Index | Sep-18 | Oct-18 | Index | Sep-18 | Oct-18 |
|---|---|---|---|---|---|
| Price received | 8744 | 8536 | Domestic expenditure | 7088 | 7153 |
| Price Paid | 14281 | 14347 | Farm Cultivation Cost | 28773 | 28774 |
| Parity Index | 61 | 59 | | | |

### *Wage and Wage Index Numbers*

The data on daily wages of various categories of agricultural labourers are being collected from 20 villages in the State. These wage statistics are utilised for computing the wage index. The current base year is 1952_53.Wage index with new base (2017_18) will be launched soon.

**Publications**

### *Price Statistics*

Yearly consolidation of all reports published by this section

### *Price Bulletin*

Price bulletin is prepared and published monthly, the retail prices of main essential commodities are grouped into 8 major groups. Groupwise analysis is made with reference to current month, previous month, and corresponding month of the previous year with suitable pictorial representations

### *Kerala PothuvipaniAvalokanam*

It is a Malayalam publication prepared monthly by analysing retail price of essential commodities. Market situation and group wise price analysis are incorporated in this report. Pictorial representation also included along with tables.Comparison among current month,previous month and previous year are also available.

| State Monthly Average Market Wholesale Price | | | | |
|---|---|---|---|---|
| Item | 18-Dec | | Item | 18-Dec |
| Coconut Oil (Nadan) - Quintal | 16726.31 | | Lemon Grass Oil Local - Quintal | 150375 |
| Coconut Oil (Kochi Ready) - Quintal | 14825 | | Coriander - Quintal | 7966.67 |
| Coconut Oil (Pandy) - Quintal | 16606.25 | | Cuminseed - Quintal | 21766.67 |
| Coconut Oil (Clean) - Quintal | 14400 | | Ginger (Fresh) - Quintal | 6083.33 |
| Copra Sundried - Quintal | 10161.32 | | Ginger (Fresh New) - Quintal | 5556.25 |
| Copra Smoked - Quintal | 10102.87 | | Ginger (Fresh Old) - Quintal | 5450 |
| Copra (Eduthapadi) - Quintal | 10712.5 | | Sugar - Quintal | 3436.44 |
| Copra (Milling) - Quintal | 10245.83 | | Tea - Quintal | 21000 |
| Copra Ball - Quintal | 15925 | | Tea Medium - Quintal | 13850 |
| Coconut Oil Cake (Expeller) - Quintal | 2450.38 | | Tea Special - Quintal | 18100 |
| Coconut Oil Cake (Rotery) - Quintal | 2679.17 | | Chilly - Quintal | 10400 |
| Coconut Oil Cake (Deoiled) - Quintal | 2578 | | Chilly Gundur - Quintal | 10900 |
| Coconut Oil Cake (Mill Stew) - Quintal | 2350 | | Red Piriyan Chilly (Karnataka) - Quintal | 14650 |
| Coconut With Husk (W H) - 1000 Nos | 17111.25 | | Nutmeg With Husk - Quintal | 24375 |
| Coconut Without Husk (W O H) - 1000 Nos | 17897.5 | | Nutmeg With out Husk - Quintal | 47500 |
| Coconut Without Husk (W O H) - Quintal | 3365 | | Onion (Small) - Quintal | 3864.25 |
| Coir (Alappuzha-Anchuthengu) - Quintal | 8850 | | Onion Small Ist Quality - Quintal | 3700 |
| Coir (Alappuzha-Arattupuzha) - Quintal | 6400 | | Onion Small IInd Quality - Quintal | 3150 |
| Coir ( SplParur Thin) - Quintal | 5037.5 | | Onion Big - Quintal | 1498.21 |
| Coir (Kozhikode-Bepoor) - Quintal | 5400 | | Onion Big (Kuna) 1st Quality - Quintal | 1200 |

| State Monthly Average Market Wholesale Price | | | | |
|---|---|---|---|---|
| Item | 18-Dec | | Item | 18-Dec |
| Coir (Kozhikode - Koyilandi) - Quintal | 8200 | | Onion Big (Kuna) 2nd Quality - Quintal | 1050 |
| Pepper (Nadan) - Quintal | 33562.5 | | Potato (Banglore) - Quintal | 2403.66 |
| Pepper Garbled - Quintal | 38700 | | Potato (Ooty) - Quintal | 2568.75 |
| Pepper (Ungarbled) - Quintal | 34347.08 | | Potato (Mettupalayam) - Quintal | 2562.5 |
| Pepper (Wayanadan) - Quintal | 35125 | | Potato (Kolar) - Quintal | 2725 |
| Pepper (Chettan) - Quintal | 34625 | | Bengal Gram (Black) - Quintal | 6368.75 |
| Rubber RSS 4 - Quintal | 12139.84 | | Bengal Gram Bold - Quintal | 7091.67 |
| Rubber RSS 5 - Quintal | 11579.69 | | Bengal Gram (White) - Quintal | 7591.67 |
| Rubber Lot - Quintal | 10658.33 | | Gram Dal (Bengal Gram) - Quintal | 6900 |
| Cardamon (White) - Kg | 600 | | Tur Dhal - Quintal | 7200 |
| Cardamom Mysoor - Kg | 1275 | | Toor Dhal (FATKA) - Quintal | 7108.33 |
| Cardamom Green - Kg | 1243.75 | | Redgram Split (Toor Dhal) - Quintal | 6037.5 |
| Cardamom AGL - Kg | 1400 | | Peas Dhal - Quintal | 5775 |
| Tapioca Raw - Quintal | 1945.59 | | Peas Dhal Split - Quintal | 5778.33 |
| Tapioca Dry (Boiled) - Quintal | 4900 | | Green Gram - Quintal | 7275 |
| Tapioca Dry (Without Husk) - Quintal | 1620 | | Lobia - Quintal | 5516.67 |
| Turmeric - Quintal | 9381.25 | | Black Gram (Urd) Split W O H - Quintal | 8000 |
| Turmeric Nadan - Quintal | 12000 | | Black Gram With Husk (Split) - Quintal | 7000 |
| Cashew Kernel - Kg | 820 | | Black Gram (Urd) Bold W O H - Quintal | 7800 |
| Cashew Kernel - Quintal | 72955 | | Blackgram Washed (Whole) - Quintal | 7775 |
| Egg (Hen) - 100 Nos | 442.5 | | Blackgram Split - Quintal | 6000 |
| Egg (Hen) White Lagoon - 100 Nos | 454.84 | | BG Dhal Washed (Urd Dhal) - Quintal | 7450 |

| State Monthly Average Market Wholesale Price | | | | |
|---|---|---|---|---|
| Item | 18-Dec | | Item | 18-Dec |
| Egg (Duck) - 100 Nos | 697.5 | | Green Peas - Quintal | 7441.67 |
| Banana Nadan (Local) - Quintal | 4060.83 | | Kabuli Kadala (Small) - Quintal | 6000 |
| Banana Pandy (Varavu) - Quintal | 3892.93 | | Kabuli Kadala (Premium) - Quintal | 7566.67 |
| Banana (Wayanadan) - Quintal | 3125 | | Rice Andhra - Quintal | 3231.25 |
| Pineapple (Vazhakkulam) - Quintal | 3043.75 | | Rice A P 1 - Quintal | 2800 |
| Pineapple (Nadan) - Quintal | 2743.75 | | Rice A S T - Quintal | 3200 |
| Pineapple (Pandy) - Quintal | 2950 | | Rice Bodhana - Quintal | 2745 |
| Arecanut Dry - Quintal | 23000 | | Rice Chamba - Quintal | 3680 |
| Arecanut Dry 1st Quality - Quintal | 20300 | | Rice Cherumani - Quintal | 3108.33 |
| Arecanut Dry 2nd Quality - Quintal | 16800 | | Rice C O - Quintal | 2838.13 |
| Arecanut Dry New - Quintal | 21203.57 | | Rice Common - Quintal | 3100 |
| Arecanut Dry Old - Quintal | 24591.67 | | Rice Fine - Quintal | 3600 |
| Ginger (Dry) - Quintal | 16200 | | Rice Jaya - Quintal | 3179.55 |
| Ginger (Dry) Unbleached - Quintal | 20500 | | Rice Kuruva - Quintal | 3115.83 |
| Ginger Dry New - Quintal | 17500 | | Rice Matta - Quintal | 3438.75 |
| Lemon Grass Oil - Quintal | 150000 | | Rice Matta 999 - Quintal | 3443.75 |
| Rice Mini Bodhana - Quintal | 2800 | | | |
| Rice Nadan - Quintal | 3400 | | | |
| Rice Palakkadan Matta - Quintal | 3237.5 | | | |
| Rice Ponmani - Quintal | 3200 | | | |
| Rice Ponni - Quintal | 2900 | | | |
| Rice Rose - Quintal | 3383.5 | | Wheat - Quintal | 3016.67 |
| Rice Surekha - Quintal | 3525 | | Wheat (Gujarath) - Quintal | 2850 |

# Annual Survey of Industries

Industrial sector plays a pivotal role in the progress of State's economic status. ASI survey is being conducted every year to measure and assess the growth of Kerala's industrial sector. The guidelines for conducting the survey are provided by the Central Statistical Office (CSO), IS Wing, Kolkata. Multifarious information like assets, liabilities, employment and labour cost, receipts, expenses, input items : indigenous and imported, products and by-products etc. regarding industrial units involved in the manufacturing process and repair services of the organized manufacturing sector are collected through ASI survey. This information is a benchmark for assessing the status of economic growth and thus helps planners and policy makers in framing new industrial policies.

ASI Survey is being conducted annually under the statutory provisions of Collection of Statistics Act 2008 (COS Act 2008). The data is collected using the ASI schedules prepared for the purpose. The Schedule consists of Part I which aims to collect data on assets and liabilities, production, employment details etc of the industrial units

**Source of Data**

The survey covers all factories registered under Section 2m(i), 2m(ii) of the Factories Act 1948 where the manufacturing process is defined under Section 2(k) of the said act, units registered under Bidi and Cigar workers (conditions of employment Act 1966). All electricity undertakings engaged in generation, transmission and distribution of electricity, not registered with Central Electricity Authority (CEA) are also covered under ASI. Apart from the above units with 100 or more employees, not registered under Section 2m (i), 2m (ii) of the Factories Act 1948 but registered under any of seven Acts/Board/Authority viz., Companies Act. 1956, Factories Act.1948, Shops and Commercial Establishment Act, Societies Registration Act, Cooperative Societies Act, Khadi and Village Industries Board, Directorate of

Industries (District Industries Centre) in the Business Register of Establishments (BRE) as available with National Accounts Division and verified by Field Operations Division (FOD), are considered for selection. The selection of sample units and guidelines for the survey are provided by the Central Statistical Office (CSO). The actual survey period is from the month of October to May in the subsequent year following the reference period. The reference period for ASI survey is the financial year. The data collection of the Central sample is done by NSSO (FOD).

**Methodology**

From ASI 2015-16, a new sampling design is adopted following the recommendations of the Sub Group of the Standing Committee on Industrial Statistics (SCIS) under the Chairmanship of Dr. G C Manna and approved by the SCIS and National Statistical Commission (NSC) subsequently. According to the new sampling design, all the units in the updated frame are divided into two parts- Central Sample and State sample. The Central Sample consists of two schemes: Census and Sample. Under Census Scheme, all the units are surveyed subject to certain conditions. After excluding the Census Scheme units the remaining units in the frame are considered under Sample Scheme.

For all the states, each stratum is formed on the basis of State x District x Sector x 3 digit NIC-2008. The units are arranged in descending order of their total number of employees. Samples are drawn using Circular Systematic Sampling technique for this scheme. An even number of units with a minimum of 4 units are selected and distributed in four sub-samples. Out of these 4 sub-samples, two are pre-assigned sub-samples (1 & 3) are given to NSSO (FOD) and the other two sub-samples (2 & 4) are given to concerned State/UT for data collection. All the census units plus all the units belonging to sub-samples given to State/UT are treated as the State Sample.

**CENTRAL SAMPLE**

**STATE SAMPLE**

The State sample and Central sample are pooled to prepare the State wise and district wise estimates.

Notices may be issued by the Statistics Officer to factories concerned and the field staff authorized by Statistics Officer may collect and/or verify information from the authorised persons in the factories. The powers and duties of officials engaged in ASI are as given under the COS Act, 2008. These include power to enter premises, obtain copies of relevant documents. They have to maintain secrecy and confidentiality as per the provisions of the Act.

**Analysis and publication of Report**

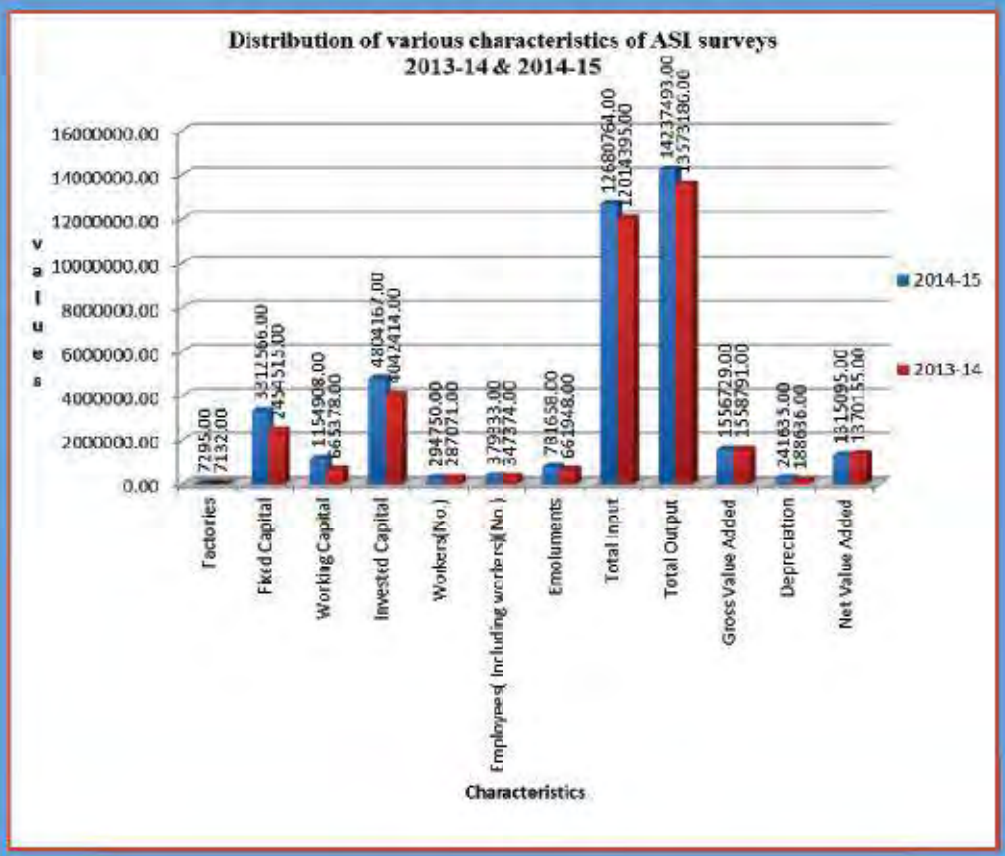
Field work and data entry works are done at the corresponding District offices and the soft copies and schedules are send to the Directorate for validation and further processing. Analysis is done on the ASI data to estimate significant information like Number of units (as per National Industrial Classification NIC 2008), Fixed Capital, Working Capital, Capital formation, Income, Profit, and Gross Value Added (GVA) at current prices and thereafter the report is published.

State wide and District wise data (classified under National Industrial Classification 2008 ) of ASI provides following information

**Comparative Statement Of Important Characteristics**

| All Industries | | Values in ` lakhs unless otherwise mentioned | | |
|---|---|---|---|---|
| Sl. No. | Characteristics | 2014-15 | 2013-14 | Percentage growth rate over 2013-14 |
| 1 | Factories | 7295 | 7132 | 2.29 |
| 2 | Fixed Capital | 3,312,566 | 24,54,515 | 34.96 |
| 3 | Working Capital | 11,54,908 | 6,65,378 | 73.57 |
| 4 | Invested Capital | 48,04,167 | 40,42,414 | 18.84 |
| 5 | Workers(No.) | 2,94,750 | 2,87,071 | 2.67 |
| 6 | Employees (Including workers)(No.) | 3,79,333 | 3,47,374 | 9.20 |
| 7 | Emoluments | 7,81,658 | 6,61,948 | 18.08 |
| 8 | Total Input | 126,80,764 | 1,20,14,395 | 5.55 |
| 9 | Total Output | 142,37,493 | 135,73,186 | 4.89 |
| 10 | Gross Value Added | 15,56,729 | 15,58,791 | -0.13 |
| 11 | Depreciation | 2,41,635 | 1,88,636 | 28.09 |
| 12 | Net Value Added | 13,15,095 | 13,70,155 | -4.02 |

During 2014-15, an increase in the number of factories has been observed to the extent of 2.29 %. Fixed capital and Invested capital have positive growth of 34.96 % and 18.84 % respectively as compared to previous year. Working Capital for 2013-14 was at Rs. 6, 65,378 Lakhs and for 2014-15 it is Rs. 11, 54,908 Lakhs which shows positive growth of 73.57% .In case of GVA, shows a negative growth of 0.13% as compared to 2013-14.



# Index of Industrial Production

It measures the changes in the industrial production

It measures the general level of industrial performance in the economy

It is used as a short term macro-economic indicator of industrial growth.

IIP is compiled for 3 major sectors

a. Mining and Quarrying
b. Registered Manufacturing
c. Electricity

IIP is considered to be one of the lead indicators for short-term economic analysis because of its strong relationship with economic fluctuations in the rest of economy.

IIP is, therefore, also used as core ingredient in the compilation of annual and quarterly national accounts and forecasts of GDP.

**Selection of Units**

CSO provided the list of units which includes 188 units in the main list and 411 units in the reserved list. There are 134 items included in this list

By the direction of CSO the base year for IIP is shifted to 2011-12 and weighing diagram and item basket are fixed.

Total Weight of IIP is 1000
Manufacturing – 614.34
Mining & Quarrying – 138.97
Electricity – 246.69

National consultation meeting on state IIP held on December 2016.At that time Kerala already shifted the base year to 2011-12.

Based on the unit list provided by CSO we have done in the field verification and after the field verification we have finally selected 190 units.

All the discrepancies obtained from field verification were clarified from CSO IS Wing

Closed units were replaced from the reserved list by suitably incorporating the weights assigned to the units as per the guidance of CSO

The index published by quarterly in each year.

**Collection of Data**

For manufacturing sector, a total of 190 registered manufacturing units were selected for data collection and the department collects monthly production data directly from these units through District Statistical Offices.

For mining sector, the regular production data for compilation of index is supplied by Indian Bureau of Mines

For electricity sector the necessary data is obtained from the website of Central Electricity Authority

**Uses of IIP**

**Current Status**

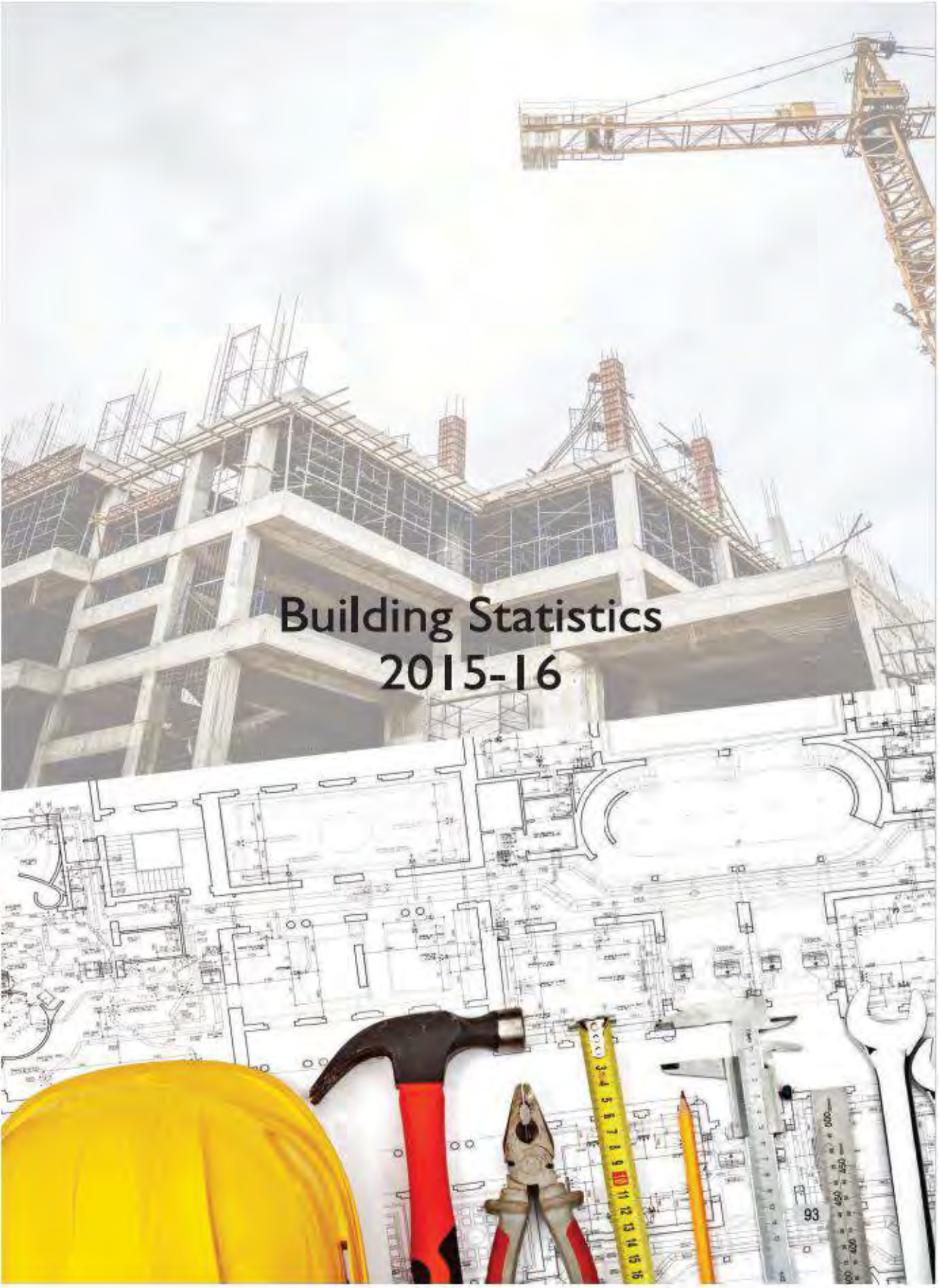
Prepared the State IIP from 2015-16 in new series (2011-12 base year)
And published 2009-10 to 2014-15 Annual Index report

Currently second Quarterly Index (2018-19 ) Prepared and preparation of third Quarterly Index work is in progress.

**IIP New Series Index Base year (2011-12)**

| Year | Quarter | Received Data from Selected Unit | Index | | | |
|---|---|---|---|---|---|---|
| | | | Manufacturing Sector | Mining | Electricity | General |
| 2015-16 | 1 | 190 | 91.8 | 100.2 | 80.3 | 90.1 |
| | 2 | 190 | 98.2 | 71.3 | 87.5 | 91.8 |
| | 3 | 190 | 86.2 | 91.9 | 54.9 | 79.3 |
| | 4 | 190 | 91.0 | 89.2 | 59.6 | 83.0 |
| 2016-17 | 1 | 190 | 104.0 | 93.4 | 55.0 | 90.4 |
| | 2 | 190 | 122.4 | 110.2 | 50.5 | 103.0 |
| | 3 | 190 | 118.5 | 71.9 | 34.1 | 91.2 |
| | 4 | 190 | 113.4 | 115.7 | 36.0 | 94.6 |
| 2017-18 | 1 | 190 | 93.5 | 77.5 | 52.0 | 81.0 |
| | 2 | 190 | 108.46 | 91.53 | 58.84 | 93.87 |
| | 3 | 190 | 152.68 | 91.38 | 54.37 | 119.91 |

# Building Statistics 2015-16



**Number of newly constructed and completed buildings during 2015-16**

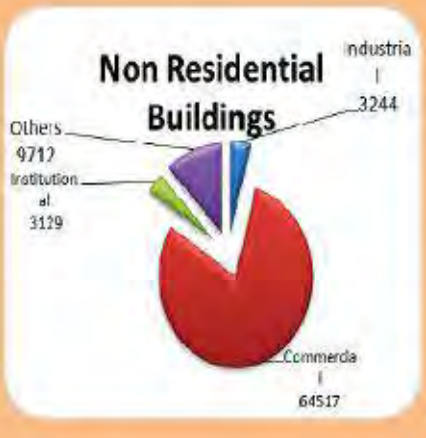
The number of Buildings newly Constructed during 2015-16 is 364187 in the state. Out of these 283585 (77.87%) are Residential and 80602 (22.13%) are Non residential buildings. Out of the total 364187 newly constructed buildings, 287287 are in rural sector and 76900 are in urban sector.

**Residential Buildings**

There are 283585 residential buildings constructed during the year 2015-16. Among these 276393(97.46%) are dwelling houses and the rest 7192(2.54%) come under other residential buildings. Out of the total number of residential buildings 226538 are in rural sector and 57047 are in urban sector.

## Non-Residential Buildings

There are 80602 non-residential buildings constructed during the year 2015-16. Among these 3244(97.46%) are industrial buildings, 64517(2%) are commercial buildings, 3129(4%) are institutional buildings and 9712(34%) are other non-residential buildings. Out of the total number of non-residential buildings 60749 are in rural sector and 19853 are in urban sector.

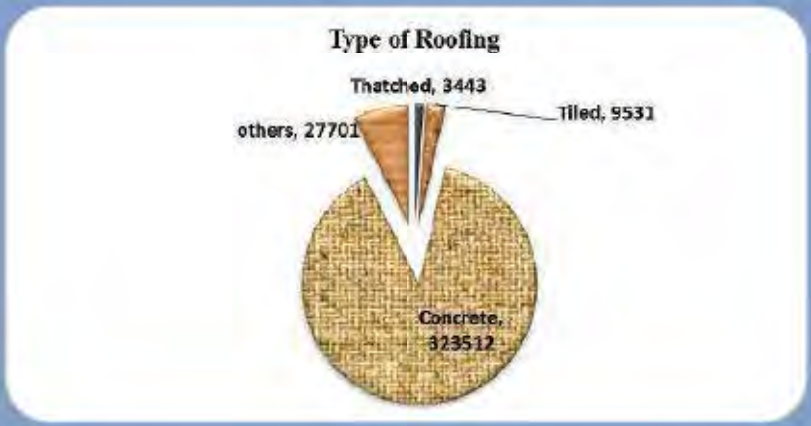


## Ownership of the Buildings

Ownership of the Buildings during 2015-16 is classified as Private, Government/Local bodies and others. There are 353567 buildings belongs to the private sector, 4692 are belongs to Government/Local bodies and 5928 are others. In rural sector there are 279861 private buildings, 3616 Govt/Local body buildings and 3810 other buildings. And in urban sector there are 73706 private buildings, 1076 Govt/Local body buildings and 2118 other buildings. Private ownership building is again classified as Male owned & Female owned building. It is seen that 257813 buildings are owned by Male and 95754 by female.

**Type of roofing**

**As** the type of roofing of newly constructed buildings during 2015-16 is concerned, it is seen that the materials used in house construction have been undergoing rapid changes. Traditional materials are replaced by modern materials. There are 323512(88.83%) buildings constructed during 2015-16 are found concrete (22.55% in urban sector & 77.45% in rural sector). 3443(0.95%) buildings are thatched, 9531(2.62%) are tiled and 27701(7.61%) are constructed with other roofing materials.




**District wise Analysis:**

**Number of buildings newly constructed and completed**

From the district wise details, it is found that Malappuram district occupies the first place in the construction of new residential buildings and least number of buildings construction was done at Idukki. Malappuram district occupies the first place in the construction of residential and non residential buildings. The least number of residential and Non Residential Buildings were constructed at Idukki District.

**Number of Residential and Non-residential buildings newly constructed and completed**

| Name of District | No of residential buildings | | | No of non residential buildings | | | Total number of buildings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Rural | Urban | Combined | Rural | Urban | Combined | Rural | Urban | Combined |
| Thiruvanthapuram | 19858 | 10432 | 30290 | 3673 | 1928 | 5601 | 23531 | 12360 | 35891 |
| Kollam | 18666 | 4075 | 22741 | 3349 | 942 | 4291 | 22015 | 5017 | 27032 |
| Pathanamthitta | 6927 | 1684 | 8611 | 1570 | 827 | 2397 | 8497 | 2511 | 11008 |
| Alappuzha | 14657 | 2267 | 16924 | 3480 | 662 | 4142 | 18137 | 2929 | 21066 |
| Kottayam | 11005 | 2081 | 13086 | 3468 | 962 | 4430 | 14473 | 3043 | 17516 |
| Idukki | 5158 | 608 | 5766 | 1731 | 177 | 1908 | 6889 | 785 | 7674 |
| Ernakulam | 20079 | 8726 | 28805 | 6322 | 3104 | 9426 | 26401 | 11830 | 38231 |
| Thrissur | 20527 | 6050 | 26577 | 5187 | 2133 | 7320 | 25714 | 8183 | 33897 |
| Palakkad | 21771 | 2609 | 24380 | 5985 | 1332 | 7317 | 27756 | 3941 | 31697 |
| Malappuram | 34154 | 5713 | 39867 | 10524 | 2404 | 12928 | 44678 | 8117 | 52795 |
| Kozhikkode | 18625 | 6342 | 24967 | 6512 | 2860 | 9372 | 25137 | 9202 | 34339 |
| Wayanad | 6025 | 480 | 6505 | 2038 | 467 | 2505 | 8063 | 947 | 9010 |
| Kannur | 18373 | 4722 | 23095 | 4369 | 1492 | 5861 | 22742 | 6214 | 28956 |
| Kasaragod | 10713 | 1258 | 11971 | 2541 | 563 | 3104 | 13254 | 1821 | 15075 |
| TOTAL | **226538** | **57047** | **283585** | **60749** | **19853** | **80602** | **287287** | **76900** | **364187** |

**Ownership of the Buildings:**

In the case of ownership, most of the buildings constructed are found in private sector. The highest number of Private buildings constructed during 2015-16 was at Malappuram District. Out of 353567 Private buildings constructed during 2015-16 in the state, 51769 buildings was constructed at Malappuram. The least number of Private buildings were constructed at Idukki and it is found to be only 7300 in number.

The highest number of Government buildings constructed during 2015-16 was at Palakkad District. Out of 4692 Government buildings constructed during 2015-16 in the state, 636 buildings was constructed at Palakkad. The least number of Government buildings were constructed at Pathanamthitta which is 121 in number.

In rual sector, Malappuram (43833) is highest and Idukki (6528) is the lowest, in the number of Private buildings. Palakkad (576) is highest and Kollam (102) is the lowest, in the number of Government buildings.

In urban sector, Thiruvananthapuram(12127) is the highest and Idukki(772) is the lowest, in number of Private buildings. Thrissur(197) is highest and Idukki(6) is the lowest, in number of Government buildings.

**Number of buildings constructed during 2015-16 - classified by ownership**

| Name of District | Rural | | | Urban | | | Combined | | |
|---|---|---|---|---|---|---|---|---|---|
| | Private | Govt./ Local Bodies | Others | Private | Govt./ Local Bodies | Others | Private | Govt./ Local Bodies | Others |
| Thiruvanthapuram | 23198 | 170 | 163 | 12127 | 186 | 47 | 35325 | 356 | 210 |
| Kollam | 21846 | 102 | 67 | 4945 | 37 | 35 | 26791 | 139 | 102 |
| Pathanamthitta | 8271 | 110 | 116 | 2464 | 11 | 36 | 10735 | 121 | 152 |
| Alappuzha | 17799 | 167 | 171 | 2718 | 39 | 172 | 20517 | 206 | 343 |
| Kottayam | 13912 | 218 | 343 | 2953 | 24 | 66 | 16865 | 242 | 409 |
| Idukki | 6528 | 168 | 193 | 772 | 6 | 7 | 7300 | 174 | 200 |
| Ernakulam | 25579 | 226 | 596 | 10626 | 112 | 1092 | 36205 | 338 | 1688 |
| Thrissur | 24989 | 393 | 332 | 7857 | 197 | 129 | 32846 | 590 | 461 |
| Palakkad | 26838 | 576 | 342 | 3657 | 60 | 224 | 30495 | 636 | 566 |
| Malappuram | 43833 | 388 | 457 | 7936 | 119 | 62 | 51769 | 507 | 519 |
| Kozhikkode | 24533 | 276 | 328 | 9011 | 115 | 76 | 33544 | 391 | 404 |
| Wayanad | 7790 | 150 | 123 | 927 | 13 | 7 | 8717 | 163 | 130 |
| Kannur | 21999 | 398 | 345 | 5974 | 116 | 124 | 27973 | 514 | 469 |
| Kasaragod | 12746 | 274 | 234 | 1739 | 41 | 41 | 14485 | 315 | 275 |
| TOTAL | **279861** | **3616** | **3810** | **73706** | **1076** | **2118** | **353567** | **4692** | **5928** |

**Private Buildings according to Genderwise Ownership:**

In the case of private buildings, Malappuram district (41439) is highest and Idukki (5193) is lowest in the number of buildings owned by male. Thiruvananthapuram district (12589) is highest and Idukki (2107) is lowest in the number of buildings owned by female.

In rural sector, Malappuram district (41439) is highest and Idukki (5193) is lowest in the number of buildings owned by male. Thiruvananthapuram district (8749) is highest and Pathanamthitta (1800) is lowest in the number of buildings owned by female.

In urban sector, Eranakulam district (8353) is highest and Idukki (581) is lowest in the number of buildings owned by male. Thiruvananthapuram district (3840) is highest and Wayanad (171) is lowest in the number of buildings owned by female.

| Number of Private ownership classified by Gender | | | | | | | |
|---|---|---|---|---|---|---|---|
| Name of District | Rural | | Urban | | Combined | | |
| | Male | Female | Male | Female | Male | Female | Total |
| Thiruvanthapuram | 14449 | 8749 | 8287 | 3840 | 22736 | 12589 | 35325 |
| Koilam | 14703 | 7143 | 3637 | 1308 | 18340 | 8451 | 26791 |
| Pathanamthitta | 6471 | 1800 | 1895 | 569 | 8366 | 2369 | 10735 |
| Alappuzha | 12824 | 4975 | 2011 | 707 | 14835 | 5682 | 20517 |
| Kottayam | 10857 | 3055 | 2353 | 600 | 13210 | 3655 | 16865 |
| Idukki | 4612 | 1916 | 581 | 191 | 5193 | 2107 | 7300 |
| Ernakulam | 20411 | 5168 | 8353 | 2273 | 28764 | 7441 | 36205 |
| Thrissur | 17351 | 7638 | 5904 | 1953 | 23255 | 9591 | 32846 |
| Palakkad | 19565 | 7273 | 2813 | 844 | 22378 | 8117 | 30495 |
| Malappuram | 35190 | 8643 | 6249 | 1687 | 41439 | 10330 | 51769 |
| Kozhikkode | 17677 | 6856 | 6302 | 2709 | 23979 | 9565 | 33544 |
| Wayanad | 5489 | 2301 | 756 | 171 | 6245 | 2472 | 8717 |
| Kannur | 14779 | 7220 | 3958 | 2016 | 18737 | 9236 | 27973 |
| Kasaragod | 9218 | 3528 | 1118 | 621 | 10336 | 4149 | 14485 |
| TOTAL | **203596** | **76265** | **54217** | **19489** | **257813** | **95754** | **353567** |

## Type of roof:

In the case of roofing materials, tiled and thatched buildings are found to be vanishing and significant growth is found in concrete roofing. Districtwise details are given below.

Malappuram district (49841) is highest and Idukki (5618) is lowest in the number of buildings with concrete roof. Palakkad district (1998) is highest and Pathanamthitta (203) is lowest in the number of buildings with tiled roof. Palakkad district (990) is highest and Kasaragod (45) is lowest in the number of buildings with thatched roof. Palakkad district (3012) is highest and Kasaragod (874) is lowest in the number of buildings constructed with other roofing materials.

In rural sector, Malappuram district (42061) is highest and Idukki (4936) is lowest in the number of buildings with concrete roof. Palakkad district (1738) is highest and Pathanamthitta (190) is lowest in the number of buildings with tiled roof. Palakkad district (982) is highest and Alappuzha (16) is

lowest in the number of buildings with thatched roof. Alappuzha district (4438) is highest and Kasaragod (815) is lowest in the number of buildings constructed with other roofing materials.

In urban sector, Thiruvananthapuram district (11947) is highest and Idukki (682) is lowest in the number of buildings with concrete roof. Palakkad district (260) is highest in the number of buildings with tiled roof. Malappuram district (90) is highest in the number of buildings with thatched roof. Palakkad district (917) is highest and Wayanad (12) is lowest in the number of buildings constructed with other roofing materials.

| Type of roof of Buildings | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rural | | | | Urban | | | | Combined | | | |
| Name of District | Thatched | Tiled | Concrete | Others | Thatched | Tiled | Concrete | Others | Thatched | Tiled | Concrete | Others |
| Thiruvanthapura | 165 | 405 | 20896 | 2065 | 4 | 70 | 11947 | 339 | 169 | 475 | 32843 | 2404 |
| Kollam | 119 | 839 | 18842 | 2215 | 19 | 72 | 4670 | 256 | 138 | 911 | 23512 | 2471 |
| Pathanamthitta | 55 | 190 | 7164 | 1088 | 0 | 13 | 2396 | 102 | 55 | 203 | 9560 | 1190 |
| Alappuzha | 16 | 1351 | 12332 | 4438 | 0 | 174 | 2487 | 268 | 16 | 152 | 14819 | 4706 |
| Kottayam | 75 | 394 | 11753 | 2251 | 0 | 43 | 2719 | 281 | 75 | 437 | 14472 | 2532 |
| Idukki | 292 | 222 | 4936 | 1439 | 0 | 0 | 682 | 103 | 292 | 222 | 5618 | 1542 |
| Ernakulam | 460 | 438 | 23627 | 1876 | 4 | 110 | 11467 | 249 | 464 | 548 | 35094 | 2125 |
| Thrissur | 314 | 475 | 23637 | 1288 | 17 | 63 | 7879 | 224 | 331 | 538 | 31516 | 1512 |
| Palakkad | 982 | 1738 | 20514 | 2095 | 8 | 260 | 2756 | 917 | 990 | 199 | 23270 | 3012 |
| Malappuram | 218 | 586 | 42061 | 1813 | 90 | 105 | 7780 | 142 | 308 | 691 | 49841 | 1955 |
| Kozhikkode | 313 | 462 | 23439 | 923 | 16 | 118 | 8925 | 143 | 329 | 580 | 32364 | 1066 |
| Wayanad | 146 | 376 | 6457 | 1084 | 0 | 0 | 935 | 12 | 146 | 376 | 7392 | 1096 |
| Kannur | 85 | 452 | 21122 | 1083 | 0 | 54 | 6027 | 133 | 85 | 506 | 27149 | 1216 |
| Kasaragod | 45 | 496 | 11898 | 815 | 0 | 25 | 1737 | 59 | 45 | 521 | 13635 | 874 |
| TOTAL | **3285** | **8424** | **248678** | **24473** | **158** | **1107** | **72407** | **3228** | **3443** | **9531** | **321085** | **27701** |

Economic
Census 2013

Economic Census is a periodic count of all the economic entities (i.e., units engaged in production and / or distribution of goods and services not for the sole purpose of consumption) functioning within the geographical boundaries of the country. It is conducted on an all India basis covering all the States and Union Territories.

In order to achieve the balanced growth of agricultural and non-agricultural sectors, sound and reliable statistical data is a prerequisite to formulate policies and programmes for the overall economic development of the nation.

The Central Statistics Office in the Ministry of Statistics and Programme Implementation conducted Sixth Economic Census during January 2013 to April 2014 in collaboration with Directorates of Economics & Statistics in all the States and Union Territories. As per the Gazette of India No.2495 Part II Section 3 Subsection II dated 20/12/2012, Sixth Economic Census is notified, in exercise of the powers conferred by Sections 3 & 4 of the Collection of Statistics Act 2008 (No.7 of 2009 read with rules 5 & 7) and the Collection of Statistics Rules 2011.

Economic Census provides detailed information on operational and economic variables, activity wise, of the establishments of the country including the distribution at all India, State, District, and Village / Ward levels for comprehensive analysis of the structure of the economy (micro, macro, and regional levels) and for benchmark purposes. The database also serves as a sampling frame for drawing samples for socio economic surveys being conducted by Government and research organizations.

The Sixth Economic Census was intended to provide up-to-date information on number of establishments and number of persons employed therein and a frame of all establishments engaged in various economic activities both in the organized and unorganized sectors of the economy (excluding crop production, plantation, public administration, defence and compulsory social security activities).

**Broad Activity wise total number of establishments by sector and type.**

| Sl No | Activity | Rural | | Urban | | Combined | |
|---|---|---|---|---|---|---|---|
| | | Outside HH with fixed structure | Total | Outside HH with fixed structure | Total | Outside HH with fixed structure | Total |
| 1 | Agricultural Activities | 25744 | 691214 | 12004 | 299705 | 37748 | 990919 |
| 2 | Non-Agricultural Activities | 585377 | 1113831 | 720262 | 1250254 | 1305639 | 2364085 |
| **Total** | | **611121** | **1805045** | **732266** | **1549959** | **1343387** | **3355004** |

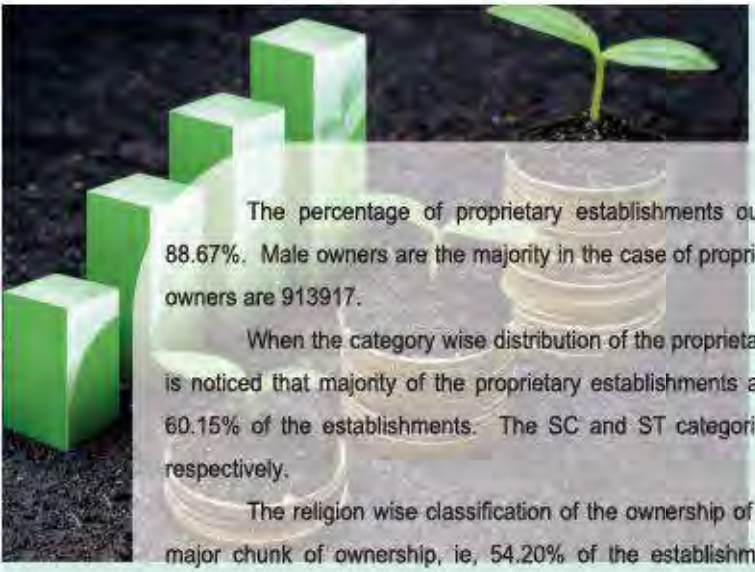
**Broad Activity wise total number of persons employed by sector and type of establishment.**

| Sl No | Activity | Rural | | | Urban | | | Combined | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Type of establishment | | | Type of establishment | | | Type of establishment | | |
| | | Without Hired Worker | With at least one Hired Worker | Total | Without Hired Worker | With at least one Hired Worker | Total | Without Hired Worker | With at least one Hired Worker | **Total** |
| 1 | Agricultural Activities | 864830 | 76829 | **941659** | 344433 | 40510 | **384943** | 1209263 | 117339 | **1326602** |
| 2 | Non Agricultural Activities | 991721 | 1353244 | **2344965** | 956220 | 2290980 | **3247200** | 1947941 | 3644224 | **5592165** |
| | **Total** | **1856551** | **1430073** | **3286624** | **1300653** | **2331490** | **3632143** | **3157204** | **3761563** | **6918767** |

**Ownership of Establishments**

The establishments reported in the survey are managed by different agencies. It can be observed that the majority of the institutions are functioning in private proprietorship, ie, 2974947 establishments. The private non-profit institutions constitute the second major category of ownership with 115883 establishments. Government/PSU owned institutions form the third category of ownership with 80734 establishments.

Out of the total number of persons employed in these establishments, 4958569 persons are employed in the establishments under private proprietorship. Only 527750 persons are employed in establishments under Government/PSU ownership.



The percentage of proprietary establishments out of total establishments is found to be 88.67%. Male owners are the majority in the case of proprietary establishments, ie; 2055523. Female owners are 913917.

When the category wise distribution of the proprietary establishments are taken into account, it is noticed that majority of the proprietary establishments are owned by those belonging to OBC, ie; 60.15% of the establishments. The SC and ST categories own 4.88% and 1.34% establishments respectively.

The religion wise classification of the ownership of proprietary establishments depicts that the major chunk of ownership, ie, 54.20% of the establishments are run by Hindus. The Islam and Christian proprietors are to the tune of 22.90% and 21.70% respectively.

The total employment in all the establishments is 6918767. Among this, 4958569 persons, ie; 71.67% are employed in proprietary establishments.

**Nature of operation**

Based on the nature of operation these establishments are classified into three types, viz; *perennial, seasonal* and *casual*. Most of the establishments are perennial in nature. ie; 94.2% (3161452), 3.9% are seasonal establishments (130547 ) and 1.9% (63005 ) are casual establishments.

Since the majority of establishments are perennial in nature, the employment is also highest in these establishments.

**Sources of Finance**

These establishments require capital for their operation for which they have to rely on different sources. Majority of these establishments try to function on their own capital, ie; self financing. About 84% of these establishments are self-financed, 5.5% of the establishments depend on donations/transfers from other agencies. Those establishments which rely on funds borrowed from other institutions are 5.1%. The establishments receive financial assistance from Government sources are 3.9%. The establishments which borrow from non- institutions/money lenders and from self help group are 0.7% and 0.8% respectively.

**Employment details by sex and category**

The employees of these establishments fall into four major categories - male hired workers, female hired workers, male non -hired workers and female non- hired workers. The non-hired male and female workers are the majority in this range of classification with 34.68% and 20.96% respectively. The hired male and female workers are 27.94% and 16.42% respectively.

When the number of persons employed in the agricultural broad activity is taken into account it is noticed that 19.17% (ie., 1326602) of the employees are engaged in this sector whereas 80.83% (ie., 5592165) of the employees are found to be involved in the non-agricultural broad activity.

Ernakulam district has the highest number of employees, ie., 980288. Thiruvananthapuram and Malappuram are in the second and third position with 917830 and 624812 emplyees respectively.

There are 50336 establishments altogether with 10 or more employees of which 19789 are in the rural areas and 30547 in the urban areas.

Ernakulam district is the topmost with 11453 such establishments, followed by Thiruvananthapuram (10733), Thrissur (6091 ). The least number of such establishments are in Wayanad ie., 1230.

In the case of number of employees in these establishments, Ernakulam district is in the first position, ie, 316263 employees, followed by Thiruvananthapuram (271218) and Kollam with 158985. Wayanad district has the least number of employees in this category, ie, 28948.

**Size class wise classification of establishments**

The majority of establishments consist of single employee. There are 2170724 establishments with single employee. The size classes from 1-5 consists of the majority of the workers. Only 175 establishments have 500 or more workers.

**Establishments with women entrepreneurs**

There are 913917 establishments having women entrepreneurs. When agricultural activities are considered, the majority of these are engaged in livestock rearing activities (479201). Whereas in the case of non-agricultural activities, manufacturing activity is the major one (272347).

As regards the women establishments, the interesting fact is that establishments with the women entrepreneurs engaged in agricultural activities are higher compared to that of non- agricultural activities, ie., 483168 and 430749 establishments respectively. 1147025 workers are engaged in these establishments with 652578 in the rural areas and 494447 in the urban areas.

Thiruvananthapuram district has the largest number of establishments with women entrepreneurship (167954), followed by Ernakulam (91573) and Malappuram (71210 ). The least number of such establishments are in Wayanad (ie., 16927 ).

The highest number of employment is also in the Thiruvananthapuram district with 210503 workers. Ernakulam is in the second place with 123949 employees and third in Kollam with 89602 employees.

There are 14943 handloom/handcraft establishments under women entrepreneurship. Majority of these are in the rural areas ie.8799 numbers. Only 6144 such establishments are in urban areas.

About 18458 employees work in the handloom/ handicraft establishments run by women entrepreneurs.

**Handloom/Handicraft establishments**

According to the census there are altogether 30293 handloom establishments functioning in the state of which 15459 are in the rural areas and 14834 in the urban areas. Thrissur district tops the list with 6462 establishments engaged in handloom/handicraft works. Thiruvananthapuram is in the second position with 5722 establishments and Ernakulam in the third with 3628 establishments.

**Employment in handloom sector**

There are altogether 66949 persons employed in the handloom sector. In the rural areas 11419 persons are employed in establishments with fixed structure outside households, whereas in the urban areas, there are 19989 are employed in establishments with fixed structure outside households.

There are 66949 employees are found to be working in the handloom sector of which 29729 workers are in rural areas and 37220 workers in the urban areas.

**District wise total number of establishments for all broad activity by sector.**

| Sl. No | District | Rural | Urban | Combined |
|---|---|---|---|---|
| 1 | Kasaragod | 89313 | 53523 | 142836 |
| 2 | Kannur | 109702 | 142376 | 252078 |
| 3 | Wayanad | 89657 | 3691 | 93348 |
| 4 | Kozhikode | 77920 | 164360 | 242280 |
| 5 | Malappuram | 186707 | 147543 | 334250 |
| 6 | Palakkad | 179144 | 67090 | 246234 |
| 7 | Thrissur | 87392 | 199440 | 286832 |
| 8 | Ernakulam | 127301 | 259283 | 386584 |
| 9 | Idukki | 142312 | 7344 | 149656 |
| 10 | Kottayam | 156991 | 69117 | 226108 |
| 11 | Alappuzha | 88416 | 114421 | 202837 |
| 12 | Pathanamthitta | 108200 | 15856 | 124056 |
| 13 | Kollam | 140672 | 90813 | 231485 |
| 14 | Thiruvananthapuram | 221318 | 215102 | 436420 |
| | **Total** | **1805045** | **1549959** | **3355004** |

**District wise percentage distribution of establishments.**

**Broad activity wise total number of establishments by sector.**

| Sl. No | Activity | Combined | | | |
|---|---|---|---|---|---|
| | | Outside HH with fixed structure | Outside HH without fixed structure | Inside HH | Total |
| 1 | Activities relating to agriculture other than crop production & plantation | 3207 | 2008 | 3126 | 8341 |
| 2 | Livestock | 32441 | 52798 | 836099 | 921338 |
| 3 | Forestry and Logging | 661 | 3477 | 1470 | 5608 |
| 4 | Fishing and aqua culture | 1439 | 46556 | 7637 | 55632 |
| | ***Subtotal : Agricultural Activities*** | ***37748*** | ***104839*** | ***848332*** | ***990919*** |
| 5 | Mining and quarrying | 1278 | 1369 | 341 | 2988 |
| 6 | Manufacturing | 182561 | 27139 | 322107 | 531807 |
| 7 | Electricity, gas, steam and air conditioning supply | 2133 | 92 | 53 | 2278 |

| | | | | | |
|---|---|---|---|---|---|
| 8 | Water supply, sewerage, waste management and remediation activities | 8529 | 2508 | 1422 | 12459 |
| 9 | Construction | 7933 | 26636 | 8548 | 43117 |
| 10 | Whole sale trade, retail trade & repair of motor vehicles & motor cycles | 46973 | 3143 | 3939 | 54055 |
| 11 | Whole sale trade ( not covered in item-10 above ) | 36364 | 8418 | 7830 | 52612 |
| 12 | Retail trade ( not covered in item-10 above ) | 466808 | 78896 | 51670 | 597374 |
| 13 | Transportation and storage | 25962 | 217837 | 50885 | 294684 |
| 14 | Accommodation and and Food service activities | 88020 | 6120 | 14694 | 108834 |
| 15 | Information & communication | 18833 | 1287 | 1902 | 22022 |
| 16 | Financial and insurance activities | 46173 | 18672 | 32197 | 97042 |
| 17 | Real estate activities | 8892 | 33925 | 43273 | 86090 |
| 18 | Professional, scientific & technical activities | 29974 | 2441 | 4641 | 37056 |
| 19 | Administrative and support service activities | 37061 | 6508 | 12567 | 56136 |
| 20 | Education | 46124 | 2926 | 31054 | 80104 |
| 21 | Human health & social work activities | 59377 | 810 | 7959 | 68146 |
| 22 | Arts entertainment, sports & amusement and recreation | 17495 | 1788 | 1636 | 20919 |
| 23 | Other service activities not else where classified | 175149 | 6910 | 14303 | 196362 |
| | ***Subtotal : Non-Agricultural Activities*** | ***1305639*** | ***447425*** | ***611021*** | ***2364085*** |
| | **Total** | **1343387** | **552264** | **1459353** | **3355004** |

**Activity wise total number of establishments by ownership**

| Activity | Number of Establishments | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ownership code | | | | | | | | |
| | 1. Govt / PSU | 2. Private : Proprietary | 3. Private : Partnership | 4. Private : Company | 5. Private : Self Help Group | 6. Private : Co-operative | 7. Private : Non-profit Institution | 8. "Private : Others" | Total |
| Agricultural Activities | 1424 | 982892 | 3712 | 310 | 355 | 280 | 436 | 1510 | 990919 |
| Non-Agricultural Activities | 79310 | 1992055 | 70669 | 12234 | 44085 | 15431 | 115447 | 34854 | 2364085 |
| **Total** | **80734** | **2974947** | **74381** | **12544** | **44440** | **15711** | **115883** | **36364** | **3355004** |

**Activity wise total number of establishments by gender of owners**

| Activity | Total No. of Establishments | No. of Proprietary Establishments | % Proprietary Establishments | Male Owners | Female Owners | Other Owners |
|---|---|---|---|---|---|---|
| Agricultural Activities | 990919 | 982892 | 99.2 | 497642 | 483168 | 2082 |
| Non-Agricultural Activities | 2364085 | 1992055 | 84.3 | 1557881 | 430749 | 3425 |
| **Total** | **3355004** | **2974947** | **88.7** | **2055523** | **913917** | **5507** |

**Activity wise total number of establishments by social group of owners**

| Activity | Proprietary establishments | SC | % SC | ST | % ST | OBC | % OBC | Others | % Others |
|---|---|---|---|---|---|---|---|---|---|
| Agricultural Activities | 982892 | 67410 | 6.9 | 23114 | 2.4 | 521811 | 53.1 | 370557 | 37.7 |
| Non-Agricultural Activities | 1992055 | 78061 | 3.9 | 17308 | 0.9 | 1267474 | 63.6 | 629212 | 31.6 |
| **Total** | **2974947** | **145471** | **4.9** | **40422** | **1.4** | **1789285** | **60.1** | **999769** | **33.6** |

**Activity wise total number of establishments by religion of owners in Kerala**

| Activity | Hindu | % Hindu | Islam | % Islam | Christian | % Christian | Sikh | % Sikh | Jain | % Jain | Others | % Others |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agricultural Activities | 532396 | 54.2 | 165286 | 16.8 | 277089 | 28.2 | 69 | .0 | 257 | .0 | 7694 | .8 |
| Non-Agricultural Activities | 1079930 | 54.2 | 517194 | 26.0 | 368233 | 18.5 | 272 | .0 | 413 | .0 | 25829 | 1.3 |
| **Total** | **1612326** | **54.2** | **682480** | **22.9** | **645322** | **21.7** | **341** | **.0** | **670** | **.0** | **33523** | **1.1** |

**District wise total number of persons employed for all broad activity by sector .**

| Sl.No | District | Rural | Urban | Combined |
|---|---|---|---|---|
| 1 | Kasaragod | 132397 | 103598 | 235995 |
| 2 | Kannur | 174812 | 308653 | 483465 |
| 3 | Wayanad | 172313 | 10216 | 182529 |
| 4 | Kozhikode | 138462 | 371552 | 510014 |
| 5 | Malappuram | 326998 | 297814 | 624812 |
| 6 | Palakkad | 320841 | 154548 | 475389 |
| 7 | Thrissur | 161354 | 442661 | 604015 |
| 8 | Ernakulam | 257728 | 722560 | 980288 |
| 9 | Idukki | 248994 | 20139 | 269133 |
| 10 | Kottayam | 284585 | 170252 | 454837 |
| 11 | Alappuzha | 174954 | 248273 | 423227 |
| 12 | Pathanamthitta | 190996 | 46136 | 237132 |
| 13 | Kollam | 286162 | 233939 | 520101 |
| 14 | Thiruvananthapuram | 416028 | 501802 | 917830 |
| **Total** | | **3286624** | **3632143** | **6918767** |

**District wise percentage distribution of Employment**

**District wise percentage distribution of Handicraft / Handloom Establishments**

**District wise total number of persons employed in Handicraft / Handloom Establishments**

| Sl.No | District | Outside HH with fixed structure | Outside HH without fixed structure / Inside HH | Total | % of establishments outside HH with Fixed structure |
|---|---|---|---|---|---|
| 1 | Kasaragod | 563 | 585 | 1148 | 49.0 |
| 2 | Kannur | 6276 | 2037 | 8313 | 75.5 |
| 3 | Wayanad | 384 | 502 | 886 | 43.3 |
| 4 | Kozhikode | 3647 | 1866 | 5513 | 66.2 |
| 5 | Malappuram | 985 | 1371 | 2356 | 41.8 |
| 6 | Palakkad | 1299 | 3886 | 5185 | 25.1 |
| 7 | Thrissur | 3751 | 8455 | 12206 | 30.7 |
| 8 | Ernakulam | 2047 | 3882 | 5929 | 34.5 |
| 9 | Idukki | 225 | 248 | 473 | 47.6 |
| 10 | Kottayam | 730 | 3416 | 4146 | 17.6 |
| 11 | Alappuzha | 2156 | 854 | 3010 | 71.6 |
| 12 | Pathanamthitta | 356 | 435 | 791 | 45.0 |
| 13 | Kollam | 1352 | 542 | 1894 | 71.4 |
| 14 | Thiruvananthapuram | 7637 | 7462 | 15099 | 50.6 |
| | **All Districts** | **31408** | **35541** | **66949** | **46.9** |

# Gender Statistics

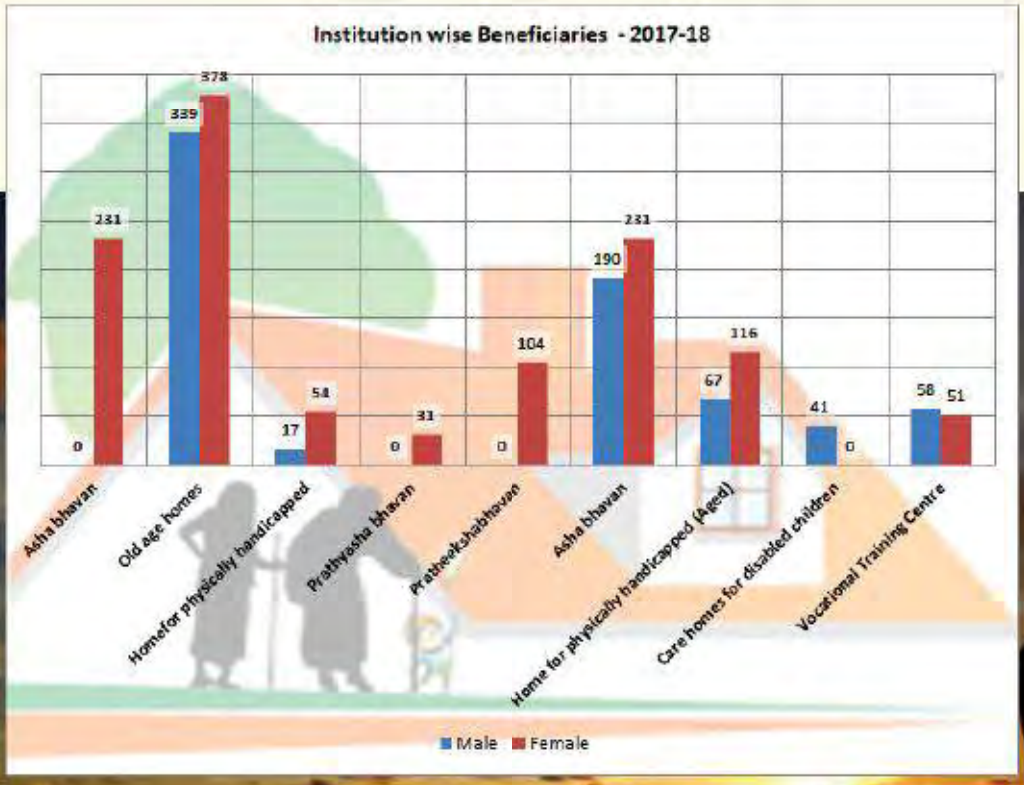
This report presents data analysis on the status of women and men in Kerala, highlighting the current situation and changes over time. Analysis is based mainly on available statistics from various departments/agencies. This report covering critical areas of policy concern; population, education, health, participation in economy, decision-making, crime and women and child oriented schemes. Discussions are mainly centred on the state level indicators and an attempt is made to compare the results with national level by utilizing selected information from various National sources. All the results presented are based on secondary data. The department published Gender statistics report 2017-18 recently

| Indicator Selected For SDG India Index | National Target Value For 2030 | Performance Of Kerala |
|---|---|---|
| Sex Ratio at birth | 954 | 959 |
| Average female to male ratio of average wages/salaries received per day by regular wage/salaried employees of age 15-59 years for rural and urban | 1 | 0.72 |
| Percentage of ever married women aged 15-49 years who have ever experienced spousal violence | 0 | 16.3 |
| Percentage of seats won by women in the general elections to state legislative assembly | 50 | 5.71 |
| Ratio of female Labour force participation rate to male LFPR | 1 | 0.43 |
| Percentage of women in the age group of 15 – 49 years using modern methods of family planning | 100 | 53.1 |

| Social Security pensions2017-18 | Male | Female |
|---|---|---|
| Agricultural Labour Pension | 159619 | 319284 |
| Indira Gandhi National Old age Pension Scheme | 1089786 | 983183 |
| Indira Gandhi National Disability Pension Scheme | 222669 | 154249 |
| Unmarried women above 50 years | | 77506 |
| Indira Gandhi National widow pension scheme | | 1234254 |

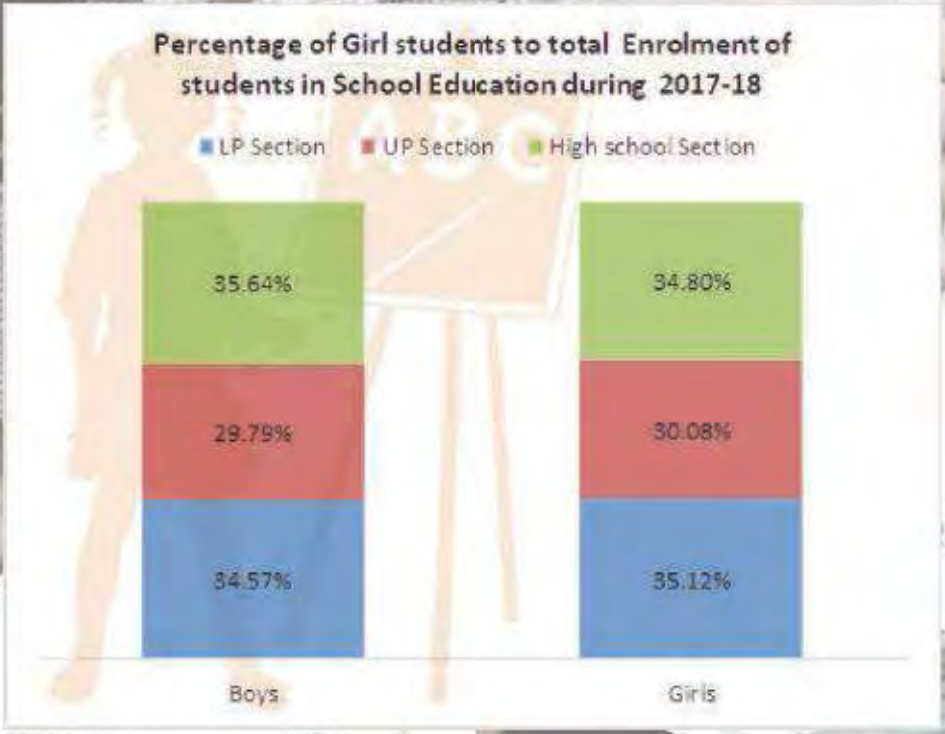
## Institution wise Beneficiaries - 2017-18

| Institution | Male | Female |
|---|---|---|
| Asha bhavan | 0 | 231 |
| Old age homes | 339 | 378 |
| Homefor physically handicapped | 17 | 54 |
| Prathyashabhavan | 0 | 31 |
| Pratheekshabhavan | 0 | 104 |
| Asha bhavan | 190 | 231 |
| Home for physically handicapped (Aged) | 67 | 116 |
| Care homes for disabled children | 41 | 0 |
| Vocational Training Centre | 58 | 51 |



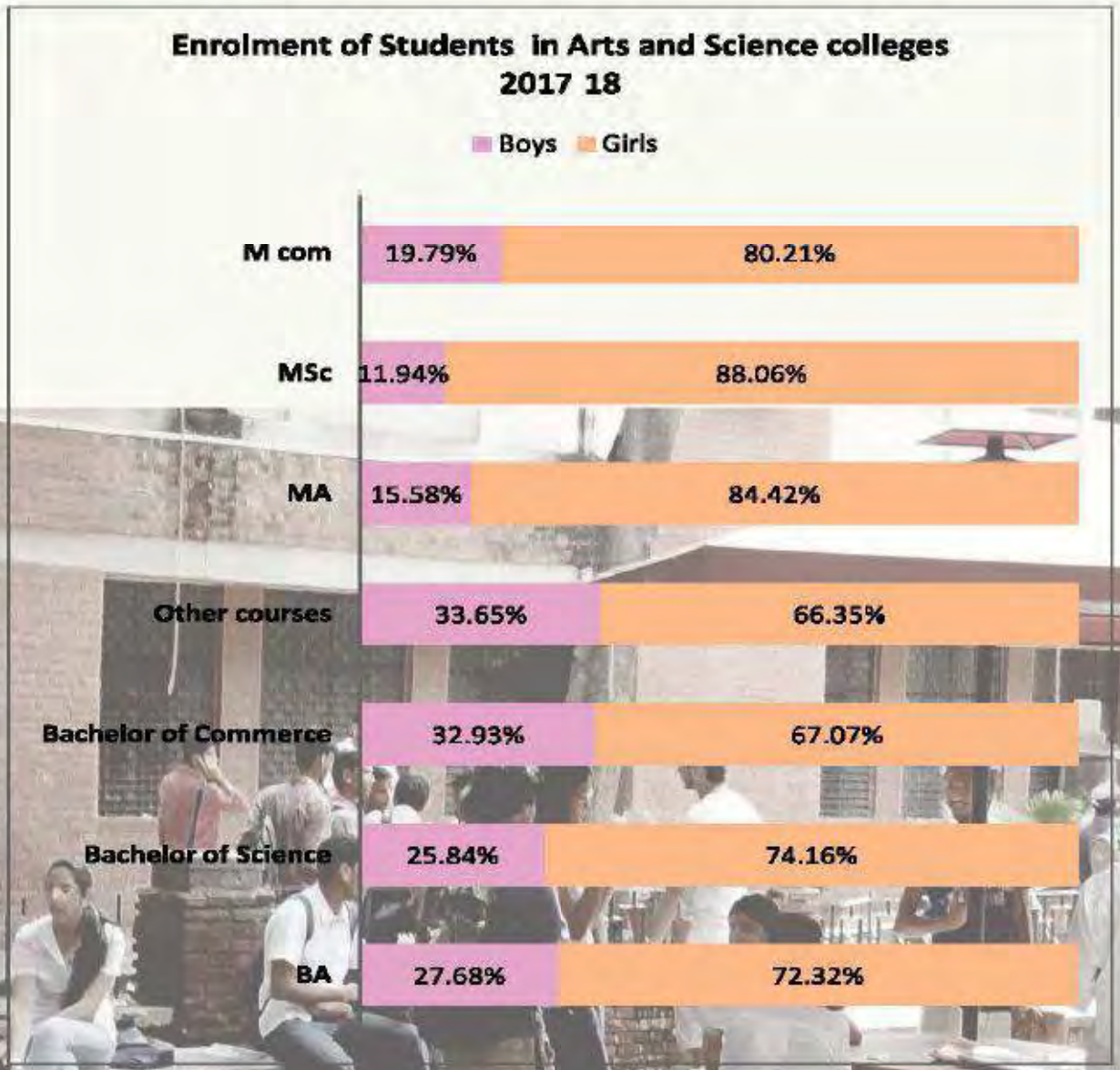
School Education - Enrolment of students during 2017-18

| Section | Govt | | Aided | | Unaided | | Total | | % of Girls |
|---|---|---|---|---|---|---|---|---|---|
| | Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls | |
| LP Section | 197220 | 192027 | 339537 | 340468 | 112448 | 100669 | 649205 | 633164 | 49.37 |
| UP Section | 156336 | 151244 | 345027 | 341412 | 58111 | 49642 | 559474 | 542298 | 49.22 |
| High school Section | 223771 | 206114 | 396137 | 376213 | 49366 | 42998 | 669274 | 627325 | 48.38 |
| Total | 577327 | 549385 | 1080701 | 1060093 | 219925 | 193309 | 1877953 | 1802787 | 48.98 |



Arts and Science colleges Enrolment of Students 2017-18

| Course | Government College | | Private colleges | | Total | | % of Girls |
|---|---|---|---|---|---|---|---|
| | Boys | Girls | Boys | Girls | Boys | Girls | |
| BA | 5562 | 15258 | 18047 | 46426 | 23609 | 61684 | 72.32 |
| Bachelor of Science | 3760 | 9252 | 19014 | 56094 | 22774 | 65346 | 74.76 |
| Bachelor of Commerce | 2293 | 4992 | 10442 | 20944 | 12735 | 25936 | 67.07 |
| Other courses | 438 | 785 | 2473 | 4954 | 2911 | 5739 | 66.35 |
| MA | 506 | 2626 | 1108 | 6117 | 1614 | 8743 | 84.42 |
| MSc | 230 | 1409 | 1296 | 9848 | 1526 | 11257 | 88.06 |
| M com | 151 | 743 | 868 | 3386 | 1019 | 4129 | 80.21 |



## Female Representation in Parliament / Legislature – Kerala (Present Status)

| Sl.No | Name of Legislature | Number of Women members | Total Seats | No of nominated member | Total Seats | Female % to Total |
|---|---|---|---|---|---|---|
| 1 | Rajya Sabha | 0 | 9 | - | 9 | 0 |
| 2 | Lok Sabha | 1 | 20 | - | 20 | 5 |
| 3 | Kerala Legislative Assembly | 8 | 140 | 1 | 141 | 5.7 |

## President / Chairperson Seats reserved for Women, SC and ST - 2015

| Type of Local Body | Total No. of Seats | General Category | Reserved for Women | | Scheduled Caste | | | Scheduled Tribe | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Total | General | Total | SC | SC Women | Total | ST | ST Female |
| GP | 941 | 416 | 471 | 417 | 92 | 46 | 46 | 16 | 8 | 8 |
| BP | 152 | 68 | 76 | 67 | 15 | 7 | 8 | 3 | 1 | 2 |
| DP | 14 | 6 | 7 | 7 | 1 | 1 | | | | |

## Women contesting candidates - Local Body Election 2015

| Type of Local body | Total No. | No. of Wards | No. of Women Candidates contested | No. of Women Candidates Won |
|---|---|---|---|---|
| Gramapanchayath | 941 | 15962 | **28066** | 8193 |
| Block panchayath | 152 | 2076 | **3502** | 1156 |
| District panchayath | 14 | 331 | 592 | 169 |
| Municipality | 86 | 3088 | 5131 | 1604 |
| Corporations | 6 | 414 | 977 | 209 |
| Total | 1199 | 21871 | 38268 | 11331 |

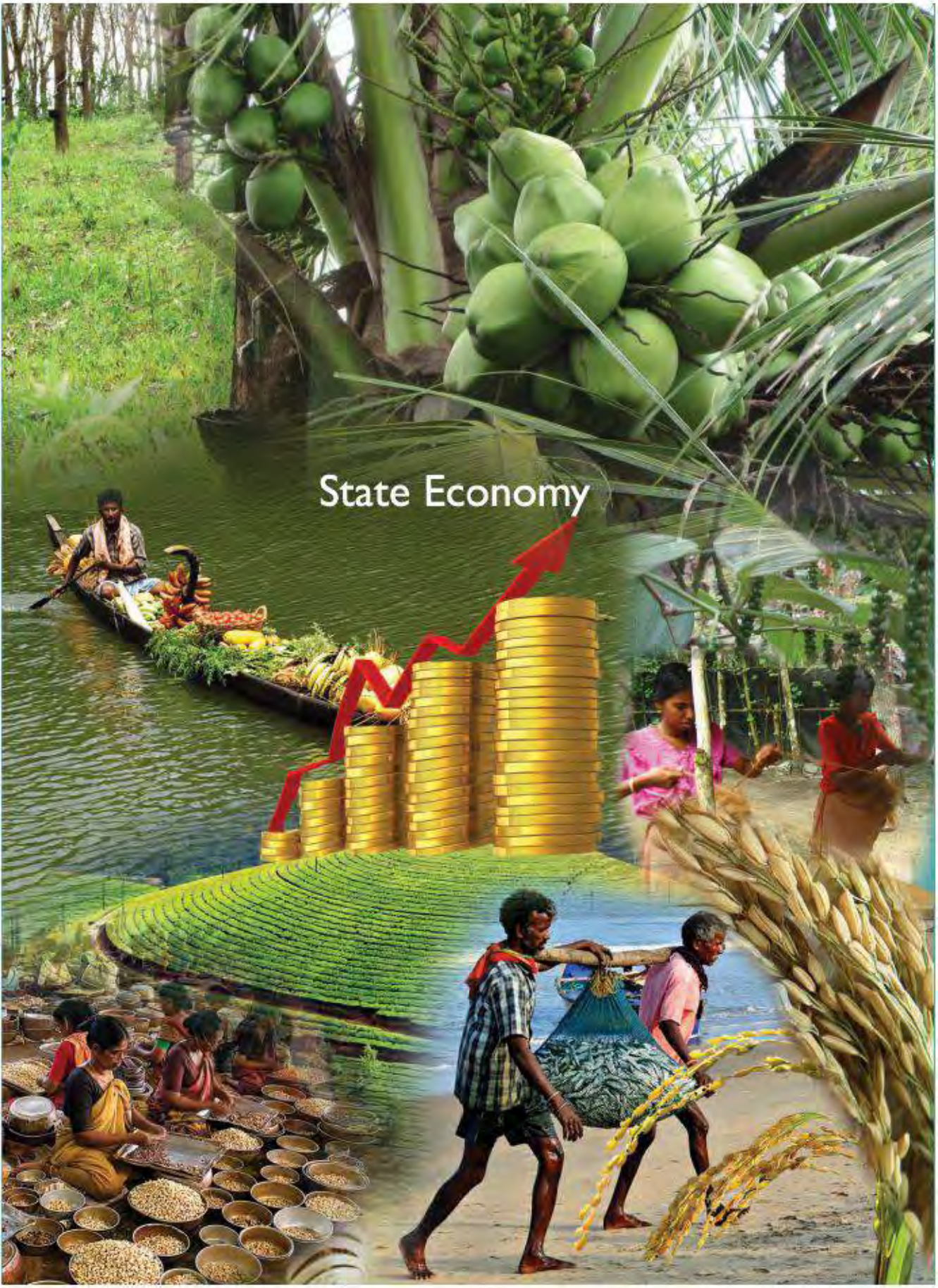
**Number of Female Voters from 1991-2016**

| | 1991 | 1996 | 2001 | 2006 | 2011 | 2016 |
|---|---|---|---|---|---|---|
| No. of Female Voters | 9943517 | 10630660 | 11200533 | 11140010 | 12073117 | 13533244 |
| % of increase over previous year | - | 6.91 | 5.36 | -0.54 | 8.38 | 12.09 |
| No.of Female Voters who voted | 7285241 | 7479291 | 7915824 | 7917903 | 9027923 | 10575485 |
| % of increase over previous year | - | 2.66 | 5.84 | 0.03 | 14.02 | 17.14 |

Crimes against Women in Kerala During the Period 2007-2018(Up to October)

| Sl. No | Crime head | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 (Provisional) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Rape | 500 | 548 | 554 | 617 | 1132 | 1019 | 1221 | 1347 | 1256 | 1656 | 1987 |
| 2 | Molestation | 2604 | 2756 | 2539 | 2939 | 3756 | 3735 | 4362 | 4367 | 3987 | 4029 | 4498 |
| 3 | Kidnapping & Abduction | 168 | 167 | 171 | 175 | 221 | 214 | 185 | 143 | 192 | 166 | 200 |
| 4 | Eve teasing | 262 | 255 | 394 | 539 | 573 | 498 | 404 | 257 | 267 | 328 | 394 |
| 5 | Dowry death (304(B) IPC) | 22 | 25 | 21 | 21 | 15 | 32 | 21 | 28 | 8 | 25 | 13 |
| 6 | Cruelty by husband / relatives | 3976 | 4135 | 3976 | 4788 | 5377 | 5216 | 4820 | 4919 | 3668 | 3455 | 2863 |
| 7 | Other offences | 1851 | 1820 | 1699 | 1702 | 2205 | 2288 | 2725 | 3463 | 3107 | 5455 | 4299 |
| | Total | 9381 | 9706 | 9354 | 10781 | 13279 | 13002 | 13738 | 14524 | 12485 | 15114 | 14254 |

# State Economy



State Income is an important macro-economic variable to measure the economic growth of the state. In per-capita terms, it reflects the economic well-being of the people which determines their consumption and saving behaviour. It is also an indicator for assessing tax capacity and an indispensable instrument for economic planning.

State level performance of the economy is analysed by computing different macroeconomic state level indicators like Gross State Domestic Product, Net State Domestic Product, Per capita, Fiscal deficit etc. These estimates are prepared by using the concept & methodology adopted by Central Statistics Office & System of National Accounts 2008. The total economy is divided in to 6 mutually exclusive institutional units namely Non-financial Corporations, Financial corporations, General Government Households NPISHs & Rest of the world. Based on the nature of economic activity, the institutional units are grouped in to different sectors & industries. The sectors are classified as Primary, Secondary & Tertiary. Primary sector includes Crops, Live Stock, Forestry & logging, Fishing & Aquaculture, Mining & Quarrying. Secondary Sector comprises Manufacturing, Electricity, Gas & Water Supply, and Construction. Tertiary sector includes Trade & repair services, Hotels & restaurants Railways, Road transport, Water transport, Air transport Services incidental to transport, Storage, Communication & services related to broadcasting, financial services, Real estate, ownership of dwellings & professional services, Public administration and defence,& Other Services.

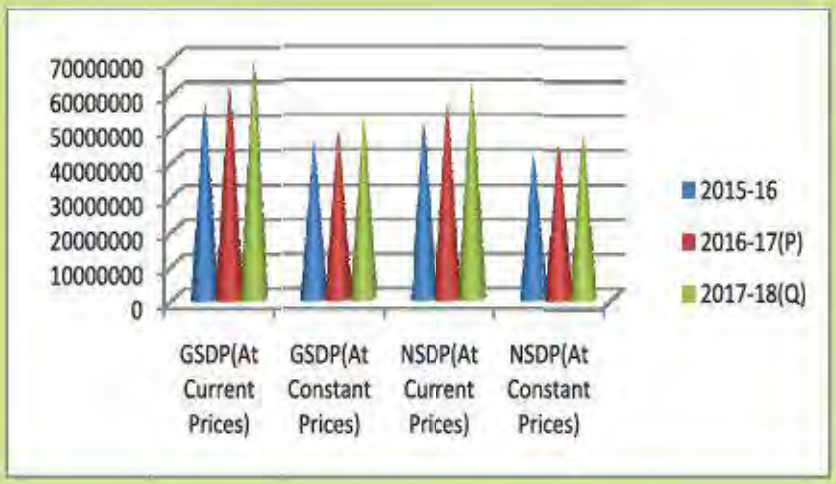
**Macroeconomic Indicators**

In order to assess the performance of the state economy, Directorate of Economics & Statistics is preparing the GSDP & NSDP (at Current & Constant Prices), Percapita, District Domestic Product estimates etc annually.

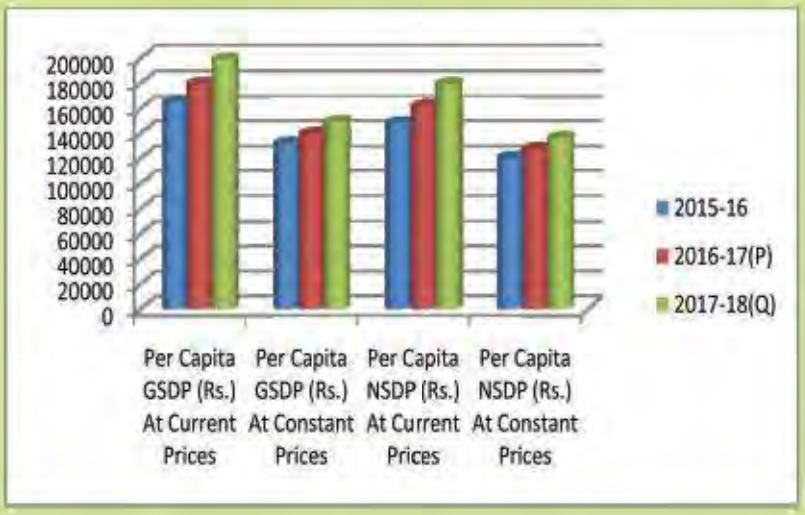
The estimates of GSDP, NSDP, Per capita of Kerala economy from 2011-12 up to 2017-18(Q) (with base year 2011-12) are available. The estimates of GSDP & NSDP (at Current & Constant prices), per capita are depicted in the following tables.

| GSDP, NSDP, Percapita Income of Kerala from 2011-12 to 2017-18(Q) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Base Year 2011-12<br>Rs in Lakhs | | | | | | | |
| Item | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | 2017-18(Q) |
| GSDP(At Current Prices) | 36404788 | 41231300 | 46504121 | 51256405 | 56199361 | 61635704 | 68676443 |
| GSDP(At Constant Prices) | 36404789 | 38769346 | 40278133 | 41995555 | 45121002 | 47928990 | 51369589 |
| NSDP(At Current Prices) | 32802112 | 37138412 | 41726497 | 46061432 | 50590997 | 55595370 | 61923259 |
| NSDP(At Constant Prices) | 32802112 | 34861581 | 36470677 | 38213426 | 41115015 | 43839422 | 46988233 |
| Per Capita GSDP (Rs.) At Current Prices | 108666 | 122471 | 137515 | 150824 | 164554 | 179580 | 199101 |
| Per Capita GSDP (Rs.) At Constant Prices | 108666 | 115158 | 119105 | 123573 | 132116 | 139645 | 148927 |
| Per Capita NSDP (Rs.) At Current Prices | 97912 | 110314 | 123388 | 135537 | 148133 | 161981 | 179523 |
| Per Capita NSDP (Rs.) At Constant Prices | 97912 | 103551 | 107846 | 112444 | 120387 | 127729 | 136225 |

The performance of GSDP for the year 2015-16, 2016-17, 2017-18(Q) are depicted the following graph




Per capita for 2015-16, 2016-17, 2017-18(Q) are depicted the following graph



## Growth of Kerala Economy

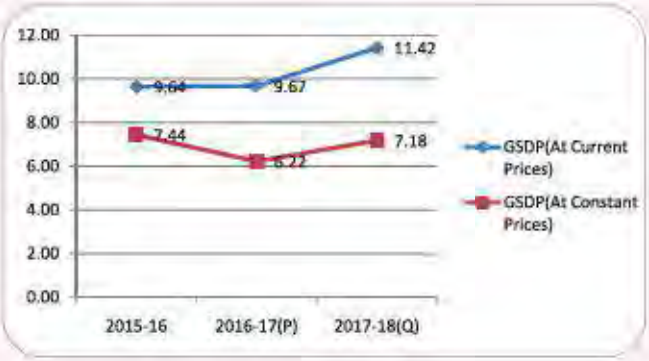
Important Macroeconomic indicators are prepared at current & constant prices. The estimates at current prices are prepared by incorporating the prices of the current year and the estimates at constant prices are prepared by incorporating the prices of a base year, which should be a normal year without any large economic fluctuation. The base year of current series of national accounts is 2011-12.

The GSDP at current prices recorded a growth of 11.42% in 2017-18(Q) as compared to the year 2016-17(P). The GSDP at constant prices recorded a growth of 7.18% in 2017-18(Q) as compared to the year 2016-17(P).

The growth rate of different macroeconomic indicators & its graphs of Kerala economy is depicted in the following tables.

| Growth rate of GSDP, NSDP, Percapita Income of Kerala from 2011-12 to 2017-18(Q) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Base Year 2011-12 | | | | | | | in percent |
| Item | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | 2017-18(Q) |
| GSDP(At Current Prices) | | 13.26 | 12.79 | 10.22 | 9.64 | 9.67 | 11.42 |
| GSDP(At Constant Prices) | | 6.50 | 3.89 | 4.26 | 7.44 | 6.22 | 7.18 |
| NSDP(At Current Prices) | | 13.22 | 12.35 | 10.39 | 9.83 | 9.89 | 11.38 |
| NSDP(At Constant Prices) | | 6.28 | 4.62 | 4.78 | 7.59 | 6.63 | 7.18 |
| Per Capita GSDP (Rs.) At Current Prices | | 12.70 | 12.28 | 9.68 | 9.10 | 9.13 | 10.87 |
| Per Capita GSDP (Rs.) At Constant Prices | | 5.97 | 3.43 | 3.75 | 6.91 | 5.70 | 6.65 |
| Per Capita NSDP (Rs.) At Current Prices | | 12.67 | 11.85 | 9.85 | 9.29 | 9.35 | 10.83 |
| Per Capita NSDP (Rs.) At Constant Prices | | 5.76 | 4.15 | 4.26 | 7.06 | 6.10 | 6.65 |

The growth rate of GSDP at current prices & constant prices for the years 2015-16, 2016-17(P), 2017-18(Q) are given below

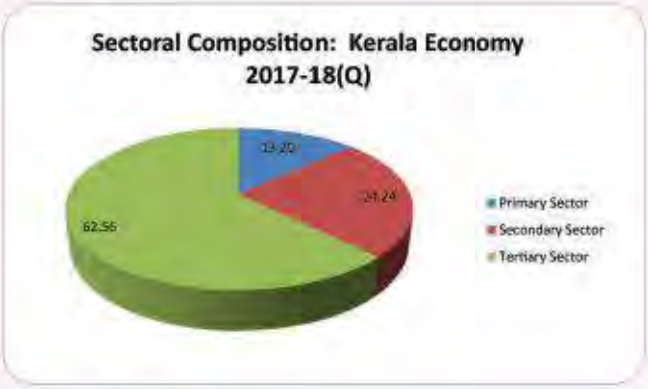



## Sectoral composition of Kerala Economy

Different macroeconomic indicators are prepared in sector wise namely Primary, Secondary & Tertiary. The percentage contribution of each sector value added to the total gross value added of Kerala economy is the sectoral composition of the economy.

Kerala is mostly driven by service economy since around 60% contribution value addition is from this sector. The sectoral contribution of Kerala economy (in percent) and its graph are described in the following

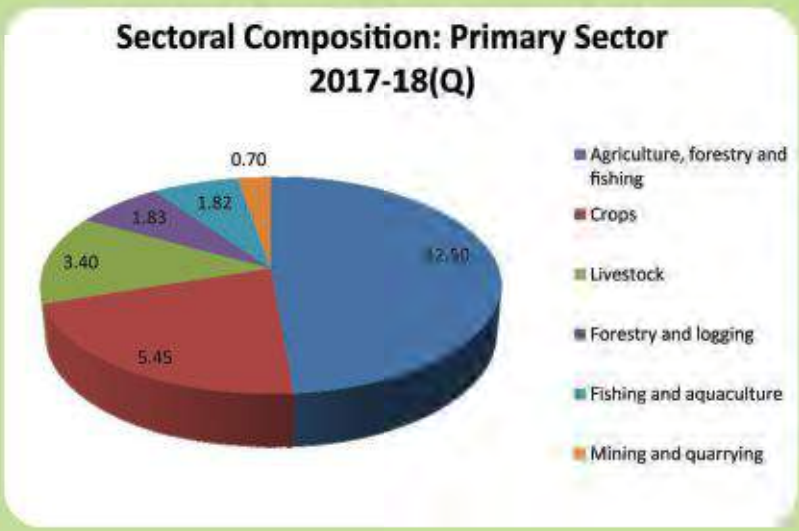
| Sector | 2014-15 | 2015-16 | 2016-17 | 2017-18 |
|---|---|---|---|---|
| Primary | 14.28 | 12.98 | 13.14 | 13.20 |
| Secondary | 25.01 | 25.14 | 24.51 | 24.24 |
| Tertiary | 60.71 | 61.88 | 62.35 | 62.56 |
| Total | 100.00 | 100.00 | 100.00 | 100.00 |



**Contribution of Primary Sector**

The Sectoral composition GSVA of Primary sector for the year 2017-18 is 13.20% in which crop sector has 5.45%, Livestock stock sector 3.40%, Forestry & Logging Sector 1.83%, Fishing & Aquaculture 1.82% and Mining & Quarrying 0.70%.

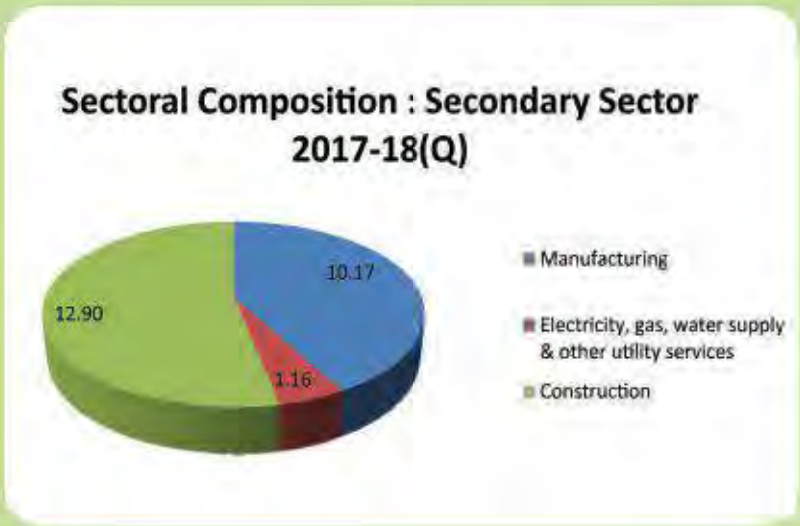
| *Sectoral Composition* of Gross State Value Added -At Current Prices | | | | | | | |
|---|---|---|---|---|---|---|---|
| Primary sector | | | | | | | |
| | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | 2017-18(Q) |
| Agriculture, forestry and fishing | 14.39 | 13.21 | 12.82 | 12.92 | 12.57 | 12.53 | 12.50 |
| Crops | 8.64 | 6.92 | 6.61 | 6.46 | 5.14 | 5.27 | 5.45 |
| Livestock | 3.35 | 3.70 | 3.61 | 3.57 | 3.65 | 3.51 | 3.40 |
| Forestry and logging | 1.28 | 1.23 | 1.15 | 1.39 | 2.14 | 1.99 | 1.83 |
| Fishing and aquaculture | 1.12 | 1.35 | 1.45 | 1.49 | 1.64 | 1.76 | 1.82 |
| Mining and quarrying | 0.81 | 0.70 | 0.94 | 1.37 | 0.41 | 0.61 | 0.70 |
| *Primary (Total)* | 15.20 | 13.91 | 13.76 | 14.28 | 12.98 | 13.14 | 13.20 |



**Contribution of Secondary Sector**

The Sectoral contribution of GSVA of Secondary sector for the year 2017-18 is 24.24% in which Manufacturing sector has 10.17%, Electricity, Gas & Water Supply sector has 1.16% and Construction sector 12.90%.

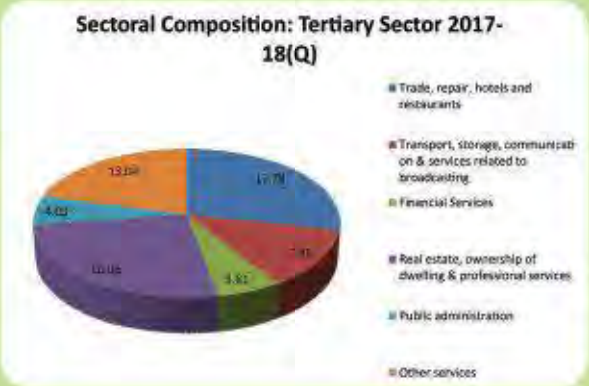
| *Sectoral Composition* of Gross State Value Added -At Current Prices | | | | | | | |
|---|---|---|---|---|---|---|---|
| Secondary Sector | | | | | | | |
| | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | 2017-18(Q) |
| Manufacturing | 10.17 | 10.63 | 9.48 | 9.10 | 10.14 | 10.13 | 10.17 |
| Electricity, gas, water supply & other utility services | 1.39 | 1.41 | 1.33 | 1.04 | 1.20 | 1.03 | 1.16 |
| Construction | 15.79 | 14.54 | 15.00 | 14.87 | 13.81 | 13.36 | 12.90 |
| *Secondary (Total)* | 27.35 | 26.59 | 25.81 | 25.01 | 25.14 | 24.51 | 24.24 |



## Contribution of Tertiary Sector

The Sectoral contribution of GSVA of Tertiary sector for the year 2017-18 is 62.56% in which Trade, repair services, Hotels & restaurants sector has17.78%,Transport, storage, communication & services related to broadcasting sector has7.85%,Financial Services sector has 3.81% Real estate, ownership of dwelling & professional services sector has 16.06%,Public administration sector has 4.03% Other services (including Health & Education) has 13.04%.

| *Sectoral Composition* of Gross State Value Added -At Current Prices | | | | | | | |
|---|---|---|---|---|---|---|---|
| Tertiary Sector | | | | | | | |
| | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17(P) | 2017-18(Q) |
| Trade, repair, hotels and restaurants | 15.82 | 17.05 | 17.17 | 17.80 | 18.48 | 17.85 | 17.78 |
| Trade & repair services | 14.07 | 15.34 | 15.51 | 16.23 | 16.89 | 16.18 | 16.13 |
| Hotels & restaurants | 1.75 | 1.71 | 1.66 | 1.57 | 1.59 | 1.67 | 1.65 |
| Transport, storage, communication & services related to broadcasting | 8.32 | 8.16 | 8.41 | 8.25 | 8.13 | 7.98 | 7.85 |
| Railways | 0.29 | 0.31 | 0.30 | 0.32 | 0.33 | 0.34 | 0.33 |
| Road transport | 5.95 | 5.87 | 6.04 | 5.76 | 5.41 | 5.32 | 5.23 |
| Water transport | 0.08 | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 |
| Air transport | 0.08 | 0.14 | 0.10 | 0.15 | 0.24 | 0.21 | 0.20 |
| Services incidental to transport | 0.18 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| Storage | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Communication & services related to broadcasting | 1.72 | 1.61 | 1.76 | 1.79 | 1.93 | 1.89 | 1.88 |
| Financial Services | 4.25 | 4.27 | 4.32 | 4.42 | 4.39 | 4.12 | 3.81 |
| Real estate, ownership of dwelling & professional services | 12.55 | 13.70 | 14.43 | 15.12 | 15.37 | 15.77 | 16.06 |
| Public administration | 4.71 | 4.51 | 4.37 | 3.70 | 3.63 | 3.85 | 4.03 |
| Other services | 11.79 | 11.81 | 11.73 | 11.42 | 11.88 | 12.78 | 13.04 |
| *Tertiary (Total)* | 57.46 | 59.50 | 60.43 | 60.71 | 61.88 | 62.35 | 62.56 |



| The Reports published by the Department during the year 2018-19 | |
|---|---|
| 1. | Agricultural Statistics – 2017-18 |
| 2. | Gender Statistics – 2017-18 |
| 3. | Vital Statistics Report – 2017 |
| 4. | Statistical Handbook, Kerala -2017 |
| 5. | NSS 68th Round – Consumer Expenditure-Pooled Report |
| 6. | NSS 71st Round – Education Survey- Pooled Report |
| 7. | GSDP- Kerala-2016-17 |
| 8. | Price Statistics-2016 |
| 9. | Monthly Price Bulletins |
| 10. | Kerala Pothuvipani Avalokanam- monthly |
| 11. | Report on Medical Certification on Cause of Death-2016 |
| 12. | Annual Survey of Industries -2014-15 |
| 13. | Spot Check Survey – 2017 |
| 14. | Report on Building Statistics-2015-16 |
| 15. | Report on Market Arrivals-2016 |
| 16. | Survey on Cost of Cultivation -2105-16 |
| 17. | Soil Conservation-2015-16 |
| 18. | Index on Industrial Production 2018-19 (Manufacturing Sector)monthly Report up to September 2018. |
| 19. | Report on Annual Review of Crop Statistics Systems in Kerala through the Scheme for Improvement of Crop Statistics-2016-17 |
| 20. | Building Materials Price – upto 31/03/2018 |