



Government of Kerala

# **STATISTICAL HANDBOOK**

## **KERALA 2017**



**Department of Economics & Statistics**  
**Government of Kerala**

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# STATISTICAL HANDBOOK KERALA **2017**

DEPARTMENT OF ECONOMICS AND STATISTICS

Government of Kerala

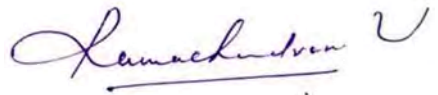
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## **PREFACE**

*Kerala is one of the states in India having a well – Organised Statistical System. This Publication ‘Statistical Hand Book, Kerala- 2017’ enlight to the current level of achievement on the desirable indicators of selected parameters and the same can be treated as a basis to gauge the extent of achievement made. It contains indicators of various parameters for the development of state economy, infrastructure etc.*

*I appreciate the work done by all officers, involved in the preparation of this report. I hope that this publication can be used as a ready reference to Planners, Administrators, Scholars and Academicians etc. The valuable suggestions are invited for further improvements of this report.*

A handwritten signature in purple ink, reading "Ramachandran" with a stylized flourish at the end.

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



## Contents

Sl no	Chapter	Page no
	<b>General features</b>	<b>1-2</b>
<b>1</b>	Population	3-12
<b>2</b>	State Income	13-21
<b>3</b>	Banking	23-29
<b>4</b>	Agriculture	31-69
<b>5</b>	Animal husbandry	71-77
<b>6</b>	Education	79-115
<b>7</b>	Health	117-152
<b>8</b>	Crime	153-158
<b>9</b>	Tourism	159-162
<b>10</b>	Transport and Communication	163-171



Sl no	INDEX	Page no
	<b>GENERAL FEATURES KERALA</b>	1
<b>I</b>	<b>POPULATION AND RELATED STATISTICS</b>	3
<b>1.1</b>	1.1 Population	5
<b>1.2</b>	District wise population (2011 census)	7
<b>1.3</b>	Decennial Population Growth Rate	8
<b>1.4</b>	Population Growth of Kerala 1901 – 2011	9
<b>1.5</b>	Density of Population in Kerala (1951-2011) (Persons per sq. km.)	10
<b>1.6</b>	Literacy Rate in Kerala 1951-2011	11
<b>1.7</b>	District wise Literacy Rate in Kerala 2011	12
<b>II</b>	<b>STATE INCOME</b>	13
<b>2.1</b>	Sectoral Composition of GSVA -At Current Prices	14
<b>2.2</b>	Sectoral Composition of GSVA -At Constant Prices	15
<b>2.3</b>	Growth Rate: Gross State Value Added by Economic Activity -At Current Prices	16
<b>2.4</b>	Growth Rate: Gross State Value Added by Economic Activity -At Constant Prices	17
<b>2.5</b>	Gross State Value Added by Economic Activity and Gross State Domestic Product-At Current Prices	18
<b>2.6</b>	Gross State Value Added by Economic Activity and Gross State Domestic Product-At Constant Prices	19
<b>2.7</b>	Trend In Development Expenditure	20



<b>III</b>	<b>BANKING</b>	23
<b>3.1</b>	Vital Banking Statistics	24
<b>3.2</b>	Sector wise Annual Credit Plan (amount in crores)	26
<b>3.3</b>	Data of District Cooperative Banks as of March 2016 (Rs. Crore)	27
<b>3.4</b>	District-wise details of Commercial Banks in Kerala as of March 2016	28
<b>3.5</b>	District wise data on Primary Agricultural Co-operative Societies, March 2016	29
<b>IV</b>	<b>AGRICULTURE</b>	31
<b>4.1</b>	Classification of area on the bases of different Fallows	33
<b>4.2</b>	Percentage of Land put to non-agricultural use	35
<b>4.3</b>	District wise percentage of forest area in kerala	37
<b>4.4</b>	Year wise estimated requirement of Rice	38
<b>4.5</b>	Percentage Variation of production of rice( with respect to pervious year)	39
<b>4.6</b>	District wise details of Soil Health Card	41
<b>4.7</b>	Agency - Wise Disbursement Of Refinance Assistance By NABARD In Kerala (2010-11 to 2016-17) (in Crores)	42
<b>4.8</b>	State Wise Average Agricultural Wage Rate for Field Labour (Male)- 2005-06 to 2015-16	43
<b>4.9</b>	State Wise Average Agricultural Wage Rate for Field Labour (Female)- 2005-06 to 2015-16	45
<b>4.10</b>	District wise number and area of operational holding and its percentage of variation under 8 <sup>th</sup> and 9 <sup>th</sup> Agriculture census	47
<b>4.11</b>	Percentage of netsown area compared to Total geographical area	49

<b>4.12</b>	Percentage of paddy area	51
<b>4.13</b>	District wise Area and Production of Paddy	55
<b>4.14</b>	District wise Productivity of Rice	57
<b>4.15</b>	District wise area and production of Coconut, Tapioca , Banana and Plantain	59
<b>4.16</b>	District wise details of Food crops and Non-food crops	65
<b>V</b>	<b>ANIMAL HUSBANDRY</b>	71
<b>5.1</b>	Live Stock population in Kerala	72
<b>5.2</b>	District wise number of Veterinary Institutions	72
<b>5.3</b>	Live Stock Population, Average yield and Production estimates in Kerala (in 000's)	73
<b>5.4</b>	Average yield per in Milk animal	74
<b>5.5</b>	Estimated milk production in tonnes	75
<b>5.6</b>	Percapita availability of Milk	76
<b>5.7</b>	Egg production	77
<b>5.8</b>	Meat production	77
<b>VI</b>	<b>EDUCATION</b>	79
<b>6.1</b>	District wise details of Gross enrolment ratio in Kerala (GER)	80
<b>6.2</b>	District wise details of Net Enrollment ratio in Kerala (NER)	83
<b>6.3</b>	District wise Percentage of girls student in Primary section	86
<b>6.4</b>	District wise Percentage of girls students in Upper primary section	87
<b>6.5</b>	Percentage of girl's enrolment in Primary + Upper primary section	88

<b>6.6</b>	District wise Percentage of girls Students in Primary + Upper primary + High school section	89
<b>6.7</b>	District wise Percentage of girls students in Upper primary + High school section	90
<b>6.8</b>	District wise details of Pupil teachers ratio and Student-classroom ratio ( PTR and SCR) in Primary Section	92
<b>6.9</b>	District wise details of Pupil teachers ratio and Student-classroom ratio ( PTR and SCR) in Primary Section and Upper primary section	94
<b>6.10</b>	District wise details of Pupil teachers ratio and Student-classroom ratio ( PTR and SCR) in Upper primary section + Secondary/ High school	96
<b>6.11</b>	District wise/Management wise no. of Schools in Kerala	98
<b>6.12</b>	District wise/ Management wise enrolment in Kerala: 2011-12	102
<b>6.13</b>	District wise/ Management wise enrolment in Kerala: 2012-13	104
<b>6.14</b>	District wise/ Management wise enrolment in Kerala: 2013-14	106
<b>6.15</b>	District wise/ Management wise enrolment in Kerala: 2014-15	108
<b>6.16</b>	District wise (Section wise) enrollment in Schools during 2015-16	110
<b>6.17</b>	District wise Number of Arts and Science Colleges (Government and private aided) in Kerala	112
<b>6.18</b>	District-wise and Management wise details of Engineering Colleges in Kerala	114

<b>VII</b>	<b>HEALTH</b>	117
<b>7.1</b>	District wise Maternal Mortality Rate	118
<b>7.2</b>	District wise details Still birth	120
<b>7.3</b>	District wise details Infant death rate	122
<b>7.4</b>	District wise Birth rate in Kerala	124
<b>7.5</b>	District wise Death rate in Kerala	126
<b>7.6</b>	State ward yearly details of Infant Mortality Rates	128
<b>7.7</b>	Number of Modern Medical Institutions under the Department of Health Services	129
<b>7.8</b>	District wise details of IP, OP, under DHS	131
<b>7.9</b>	Distribution of Medically Certified death in percentage	133
<b>7.10</b>	Percentage of Age wise details of Medically Certified Cause of death	134
<b>7.11</b>	Distribution of major causes of deaths among Diseases of Circulatory System	141
<b>7.12</b>	Distribution of major causes of deaths among Diseases of Neoplasms	142
<b>7.13</b>	Age wise details of Medically Certified Cause of death in Percentage	144
<b>7.14</b>	Per 1000 distribution of spells of ailments treated (through different types of treatment) during last 15 days for each quintile class of UMPCE	149
<b>7.15</b>	Per thousand distributions of hospitalisation cases (EC) during last 365 days over age-groups for each gender	151

<b>VIII</b>	<b>CRIME</b>	153
<b>8.1</b>	Crime rate of Cases reported under IPC and SLL	154
<b>8.2</b>	Indian Penal Code Cases registered from 2012-17	155
<b>8.3</b>	Special and Local Laws Cases registered from 2012-17	157
<b>IX</b>	<b>TOURISM</b>	159
<b>9.1</b>	District wise flow of Domestic and Foreign tourist to Kerala	160
<b>9.2</b>	Trends In Domestic & Foreign Tourist Arrivals Into Kerala	162
<b>X</b>	<b>TRANSPORT AND COMMUNICATION</b>	163
<b>10.1</b>	Category-wise Growth of Motor Vehicles in Kerala	164
<b>10.2</b>	Length of Roads in Kerala	168
<b>10.3</b>	Telephone exchanges and connections in Kerala	168
<b>10.4</b>	Growth of Post offices in Kerala during the last 7 years	169
<b>10.5</b>	Division-wise Distribution of Post offices in Kerala as on 31.3.2017	170

**GENERAL FEATURES- KERALA**

	<b>Kerala</b>	<b>India</b>	<b>Percentage</b>
Area	38,863 sq. km.	3287240 sq. km.	1.18
Forest area	11309.5032 sq.km.	708273 sq km	1.6
Coastal area	569.70 (in Km)	7516.60 (in Km)	7.58

<b><u>Administrative Units</u></b>		
	<b>Kerala</b>	<b>India</b>
No. of Revenue district	14	718
No. of Revenue Divisions	27	
No. of Taluks	77	5410
No. of Revenue villages	1644	649481
No. of Corporations	6	
No. of Municipalities	87	
No. of Panchayats	941	248620
No. of Legislative assemblies constituencies	140	4020
No. of Loksabha seats	20	543
No. of Rajyasabha seats	9	245
No. of Community Development Blocks	152	7070
Statutory Towns	58	4041
Census Towns	462	3892
Number of Universities	20	799
Gender Parity Index (in higher education 18-23 Years)	1.32	0.92
Level of Urbanisation (in percentage)	47.7	31.4

<b><i>CENSUS OF INDIA 2011-PRIMARY CENSUS ABSTRACT KERALA</i></b>		
	Kerala	India
Population	33406061	1210854977
Male	16027412	623270258
Female	17378649	587584719
Sex Ratio (Females Per 1000 males)	1084	940
Population density sq.km	860	382
Urban population	15932171	286119689
Rural population	17455506	742490639
Decadal growth rate	4.9	17.64
Child population (0-6 years): Total	3472955	158789287
Rural Child population	1823664	117585514
Urban Child population	1649291	41203773
Scheduled Caste population	3039573	201378372
Scheduled Tribe population	484839	104545716
Literacy rate(%)	94	74.04
Male Literacy rate(%)	96.11	82.14
Female Literacy rate(%)	92.07	65.46

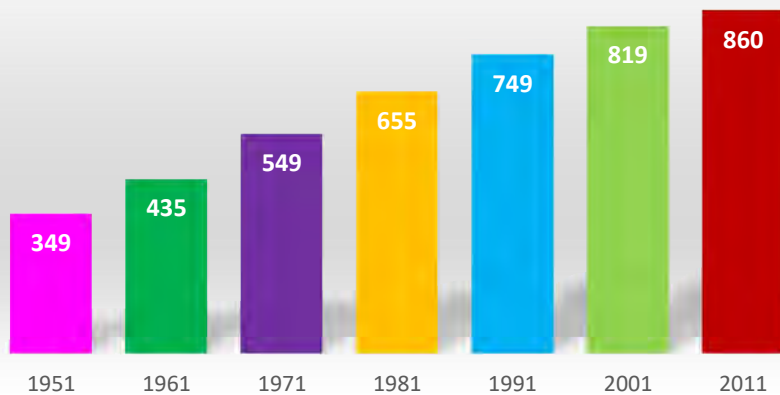
# I. Population

The demographic indicators of Kerala are distinct from other States of the country with a total population of 3.34 crore having 1.6 male and 1.74crore female population contributing 2.76% of total population of the country. The State is top in literacy rate (94% against 74.04% all India literacy rate) in sex ratio (1084 against all India sex rate 940). Density figures also shows high in the State compare to all India figure (860/km<sup>2</sup> against 382/km<sup>2</sup>). The decadal population growth of the state is 4.91 against 17.64 all India growth rate.

	Kerala (Crs)	India(Crs)
Population	3.34	121.08
Sex ratio	1084	940
Density	860/km <sup>2</sup>	382/km <sup>2</sup>
Decadal growth rate	4.91	17.64
Literacy rate	94	74.04



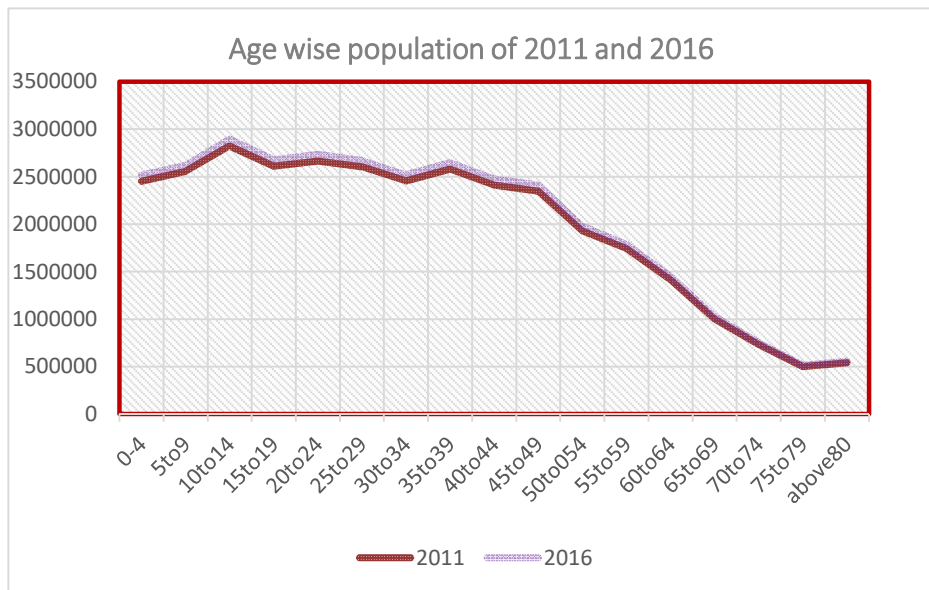
## Density of population in Kerala



**1.1 Population**

Age Group	2011 census Population			Midyear population 2016		
	Total	Male	Female	Total	Male	Female
0-4	2453092	1247534	1205558	2517243	1280159	1237084
5to9	2555112	1303190	1251922	2621931	1337270	1284661
10to14	2822770	1438917	1383853	2896589	1476546	1420043
15to19	2610552	1328299	1282253	2678821	1363036	1315785
20to24	2665809	1298826	1366983	2735523	1332792	1402731
25to29	2604092	1203978	1400114	2672192	1235463	1436729
30to34	2455501	1128217	1327284	2519715	1157721	1361994
35to39	2579673	1161819	1417854	2647134	1192202	1454932
40to44	2412498	1117424	1295074	2475588	1146646	1328942
45to49	2348530	1105598	1242932	2409947	1134511	1275436
50to54	1928145	931191	996954	1978568	955543	1023025
55to59	1742408	861527	880881	1787974	884057	903917
60to64	1414671	685136	729535	1451666	703053	748613
65to69	1002134	459232	542902	1028341	471241	557100
70to74	733372	326562	406810	752551	335102	417449
75to79	501367	208317	293050	514478	213765	300713
above80	541849	204348	337501	556019	209692	346327
age not stated	34486	17297	17189	35389	17749	17640
Total	33406061	16027412	17378649	34279669	16446548	17833121

Source:-1.Census of India 2.DES



**1.2 District wise population (2011 census)**

Sl no	DISTRICTS	General			Sch.castes			Sch.tribes		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>1</b>	Thiruvananthapuram	1581678	1719749	3301427	178589	194388	372977	12624	14135	26759
<b>2</b>	Kollam	1246968	1388407	2635375	157801	170462	328263	5195	5566	10761
<b>3</b>	Pathanamthitta	561716	635696	1197412	78942	85523	164465	3947	4161	8108
<b>4</b>	Alappuzha	1013142	1114647	2127789	97183	104028	201211	3175	3399	6574
<b>5</b>	Kottayam	968289	1006262	1974551	75503	78406	153909	10974	10998	21972
<b>6</b>	Idukki	552808	556166	1108974	72399	73087	145486	27995	27820	55815
<b>7</b>	Ernakulam	1619557	1662831	3282388	131573	136838	268411	8349	8210	16559
<b>8</b>	Thrissur	1480763	1640437	3121200	156480	167870	324350	4362	5068	9430
<b>9</b>	Palakkad	1359478	1450456	2809934	197451	206382	403833	24314	24658	48972
<b>10</b>	Malappuram	1960328	2152592	4112920	151557	156709	308266	11272	11718	22990
<b>11</b>	Kozhikode	140942	1615351	3086293	97279	101912	199191	7429	7799	15228
<b>12</b>	Wayanad	401684	415736	817420	16406	16172	32578	74476	76967	151443
<b>13</b>	Kannur	1181446	1341557	2523003	40260	43090	83350	20141	21230	41371
<b>14</b>	Kasargod	628413	678762	1307375	26385	26898	53283	23950	24907	48857
	Kerala	16027412	17378649	33406061	1477808	1561765	3039573	238203	246636	484839

*Source:- Census of India 2011*

**1.3 Decennial Population Growth Rate**

Sl. No	State/District	Percentage Decadal Variation					
		1951-61	1961-71	1971-81	1981-91	1991-01	2001-11
1	Thiruvananthapuram	31.38	26.03	18.08	13.5	9.76	2.25
2	Kollam	31.59	25.88	18.27	10.68	7.38	1.72
3	Pathanamthitta	23.48	15.75	9.44	5.6	3.84	-3.12
4	Alappuzha	20.45	19.01	11.62	7.28	5.39	0.61
5	Kottayam	16.04	17.13	10.29	7.71	6.86	1.32
6	Idukki	74.94	31.89	25.99	10.45	7.03	-1.93
7	Ernakulam	21.93	27.49	17.43	11.42	9.35	5.6
8	Thrissur	20.32	26.09	14.6	12.2	8.66	4.58
9	Palakkad	12.79	23.06	21.3	16.52	9.88	7.39
10	Malappuram	20.67	33.8	29.43	28.87	17.09	13.39
11	Kozhikode	25.71	29.81	23.25	16.69	9.89	7.31
12	Wayanad	62.6	50.35	33.87	21.32	16.14	4.6
13	Kannur	30.24	31.82	24.32	16.63	6.98	4.84
14	Kasaragod	24.6	33.36	27.78	22.78	12.37	8.18
	Kerala	24.76	26.29	19.24	14.32	9.43	4.86

Source: Census of India 2011

**1.4 Population Growth of Kerala 1901 – 2011**

<b>Census Year</b>	<b>Population (in lakh)</b>			<b>Decadal Percentage of Increase of Population</b>			<b>Density of Population per sq. km</b>
	<b>Males</b>	<b>Females</b>	<b>Persons</b>	<b>Males</b>	<b>Females</b>	<b>Persons</b>	
<b>1901</b>	31.91	32.05	63.96	-	-	-	165
<b>1911</b>	35.6	35.88	71.48	11.6	12	11.8	184
<b>1921</b>	38.79	39.23	78.02	9	9.3	9.2	201
<b>1931</b>	47.03	48.04	95.07	21.3	22.5	21.9	245
<b>1941</b>	54.44	55.88	110.32	15.8	16.3	16	284
<b>1951</b>	66.82	68.67	135.49	22.7	22.9	22.8	349
<b>1961</b>	83.62	85.42	169.04	25.2	24.4	24.8	435
<b>1971</b>	105.38	107.59	213.47	26.6	26	26.3	549
<b>1981</b>	125.28	129.26	254.54	18.3	20.2	19.2	655
<b>1991</b>	142.89	148.09	290.98	14	14.6	14.3	749
<b>2001</b>	154.69	163.73	318.41	8.25	10.5	9.4	819
<b>2011</b>	160.27	173.99	334.06	3.6	6.1	4.8	860

*Source:- Census of India*

**1.5 Density of Population in Kerala (1951-2011) (Persons per sq. km.)**

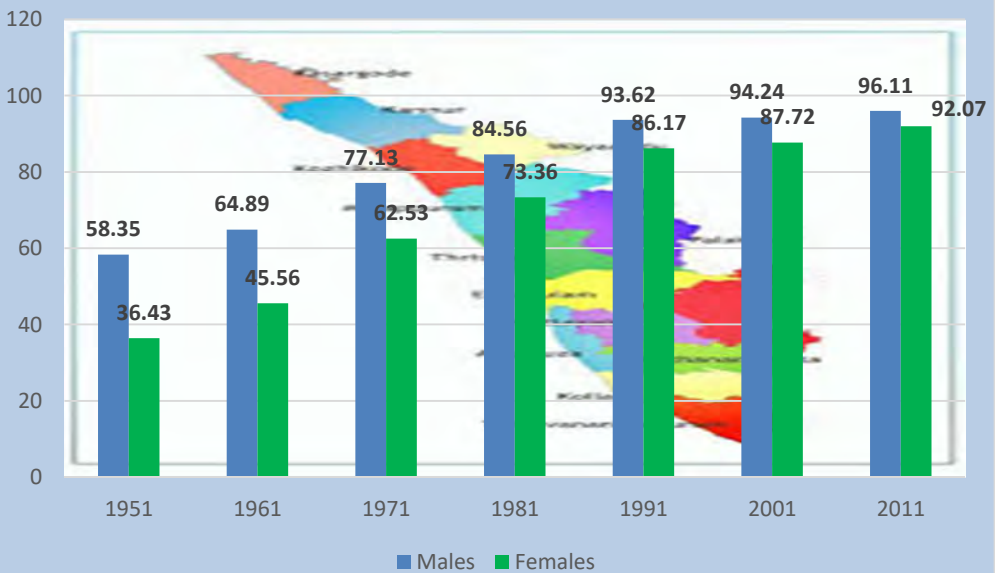
Sl No	State/District	1951	1961	1971	1981	1991	2001	2011
1	Thiruvananthapuram	606	796	1003	1184	1344	1476	1509
2	Kollam	446	587	738	873	967	1038	1056
3	Pathanamthitta	272	336	389	426	450	468	453
4	Alappuzha	825	993	1182	1319	1415	1492	1501
5	Kottayam	514	596	699	771	828	885	896
6	Idukki	66	115	152	193	236	259	254
7	Ernakulam	579	706	899	1053	963	1012	1069
8	Thrissur	463	557	702	805	903	981	1026
9	Palakkad	271	306	376	456	532	584	627
10	Malappuram	324	391	523	677	872	1021	1158
11	Kozhikode	476	599	777	958	1118	1228	1318
12	Wayanad	79	129	194	260	315	366	383
13	Kannur	305	397	524	651	759	812	852
14	Kasaragod	206	257	343	438	538	604	654
	Kerala	349	435	549	655	749	819	860

*Source:- Census of India*

### 1.6 Literacy Rate in Kerala 1951-2011

Year	Persons	Males	Females
1951	47.18	58.35	36.43
1961	55.08	64.89	45.56
1971	69.75	77.13	62.53
1981	78.85	84.56	73.36
1991	89.81	93.62	86.17
2001	90.86	94.24	87.72
2011	93.91	96.11	92.07

Graphical presentation of Literacy Rate in Kerala 1951-2011





**1.7 District wise Literacy Rate in Kerala 2011**

Sl.No	State/District	Literacy Rate (percent)		
		Persons	Males	Females
1	Thiruvananthapuram	92.66	94.6	90.89
2	Kollam	93.77	95.83	91.95
3	Pathanamthitta	96.93	97.7	96.26
4	Alappuzha	96.26	97.9	94.8
5	Kottayam	96.4	97.17	95.67
6	Idukki	92.2	94.84	89.59
7	Ernakulam	95.68	97.14	94.27
8	Thrissur	95.32	96.98	93.85
9	Palakkad	88.49	92.27	84.99
10	Malappuram	93.55	95.78	91.55
11	Kozhikode	95.24	97.57	93.16
12	Wayanad	89.32	92.84	85.94
13	Kannur	95.41	97.54	93.57
14	Kasaragod	89.85	93.93	86.13
	Kerala	93.91	96.11	92.07

*Source: Census of India 2011*

## II State Income

Gross State Domestic Product (GSDP) is mainly divided into three board sectors like Primary sector ,Secondary sector and Tertiary sectors . The GSDP estimation is based on the guidelines and methodology of National Accounts Division of the Central Statistical Office under the Ministry of Statistics and Programme Implementation, Government of India. GSDP is estimated at market price with base year 2011-12. Compared with other sector, the contribution of service sector shows an increasing trend during the last five years. The last 5-year data shows that the contributions from the primary and the secondary sectors are in a downward trend and major contribution to the GSDP is from service sector. Provisional estimates show the contribution of the service sector to the GSDP is about 63%. Gross

Gross State Value Added for 2015-16	Kerala (in Lakhs)		India (in Lakhs)	
	Current price	Constant price	Current price	Constant price
	53574598	42479111	1227941001	1042719097
Percapita GSVA	156869	124381	95709	81272
Growth rate	11.07	7.35	7.03	7.19

State Value Added of the state for the year 2015-16 estimated as 53574598 Lakhs compared to all India figure GSVA of the state is 4.36% of the all India estimate. The per capita GSVA of the state is also more than that of all India GVA.

*2.1 Sectoral Composition of GSVA -At Current Prices*

**Base Year 2011-12**

							Percentage
	Sector	2011-12	2012-13	2013-14	2014-15	2015-16(P)	2016-17(Q)
<b>GSVA</b>	<b>Primary</b>	15.20	13.91	13.76	14.28	12.82	13.36
	<b>Secondary</b>	27.35	26.59	25.81	25.01	24.59	23.47
	<b>Tertiary</b>	57.46	59.50	60.43	60.71	62.59	63.18
	<b>Total</b>	100	100	100	100	100	100

*Source:-DES,GOK*



## 2.2 Sectoral Composition of GSVA -At Constant Prices

Base Year 2011-12

							Percentage
	Sector	2011-12	2012-13	2013-14	2014-15	2015-16(P)	2016-17(Q)
GSVA	Primary	15.20	14.41	13.29	13.35	11.31	11.27
	Secondary	27.35	26.53	26.33	25.89	26.25	25.59
	Tertiary	57.46	59.06	60.38	60.76	62.44	63.14
	Total	100	100	100	100	100	100

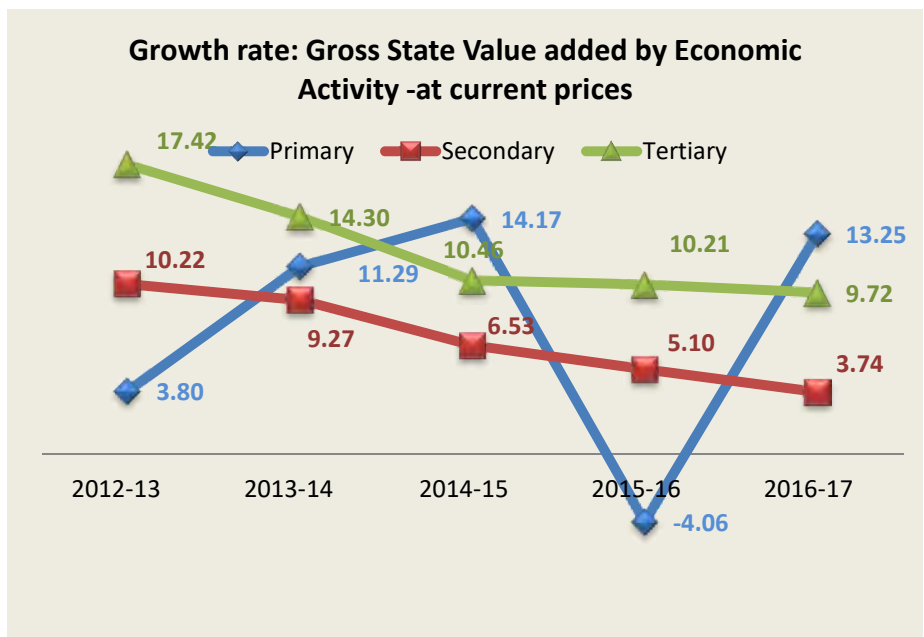
Source:-DES,GOK

## Sectoral Composition of GVA at constant price



2.3 Growth Rate: Gross State Value Added by Economic Activity -At Current Prices						
S.No.	Item	2012-13	2013-14	2014-15	2015-16	2016-17
GSVA	Primary	3.80	11.29	14.17	-4.06	13.25
	Secondary	10.22	9.27	6.53	5.10	3.74
	Tertiary	17.42	14.30	10.46	10.21	9.72
	Total	13.38	12.54	9.95	6.90	8.70
GSDP		13.26	12.79	10.22	8.85	10.59
Per Capita GSDP (Rs.in lakhs)		12.70	12.28	9.68	8.32	10.04

Source:-DES,GOK

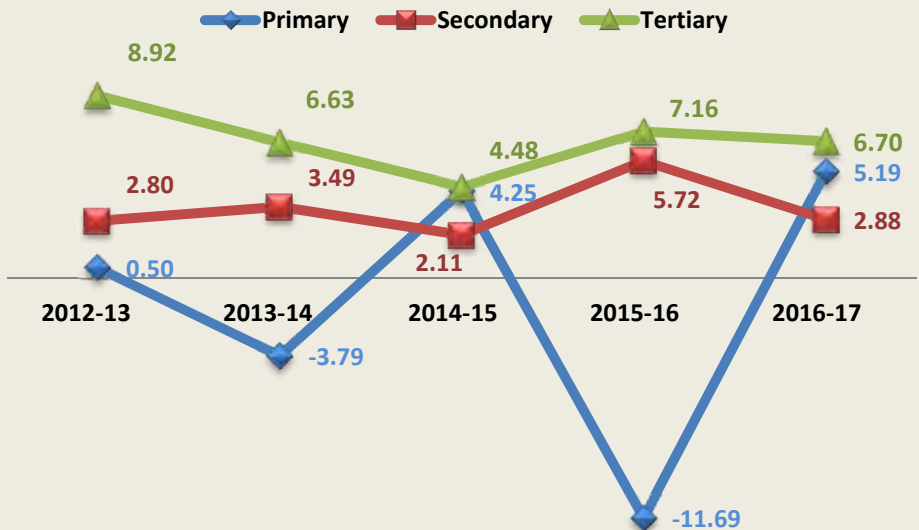


### 2.4 Growth Rate: Gross State Value Added by Economic Activity -At Constant Prices

S.No.	Item	2012-13	2013-14	2014-15	2015-16	2016-17
GSVA	Primary	0.50	-3.79	4.25	-11.69	5.19
	Secondary	2.80	3.49	2.11	5.72	2.88
	Tertiary	8.92	6.63	4.48	7.16	6.70
	Total	5.97	4.29	3.83	4.27	5.53
GSDP		6.50	3.89	4.26	6.60	7.41
Per Capita GSDP (Rs. In Lakhs)		5.97	3.43	3.75	6.08	6.88

Source:-DES,GOK

### Growth Rate - Gross State Value Added by Economic Activity - At Constant Prices



## 2.5 Gross State Value Added by Economic Activity and Gross State Domestic Product- At Current Prices

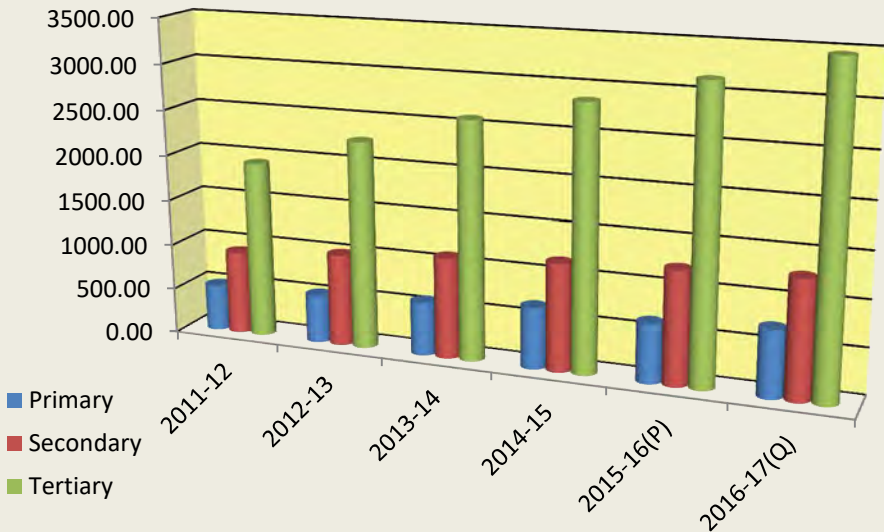
Base Year 2011-12

(Rs. In billion)

	Sector	2011-12	2012-13	2013-14	2014-15	2015-16(P)	2016-17(Q)
GSVA	Primary	511.01	530.41	590.31	673.95	646.59	732.27
	Secondary	919.71	1013.71	1107.65	1179.95	1240.17	1286.52
	Tertiary	1932.21	2268.71	2593.04	2864.19	3156.68	3463.48
	Total	3362.93	3812.83	4291	4718.09	5043.45	5482.27
GSDP		3640.48	4123.13	4650.41	5125.64	5579.47	6170.34
Per Capita GSDP (Rs.)		1.09	1.23	1.37	1.51	1.63	1.80

Source:-DES,GOK

### Gross State Value Added by Economic Activity and GSDP - At Current Prices



## 2.6 Gross State Value Added by Economic Activity and Gross State Domestic Product-At Constant Prices

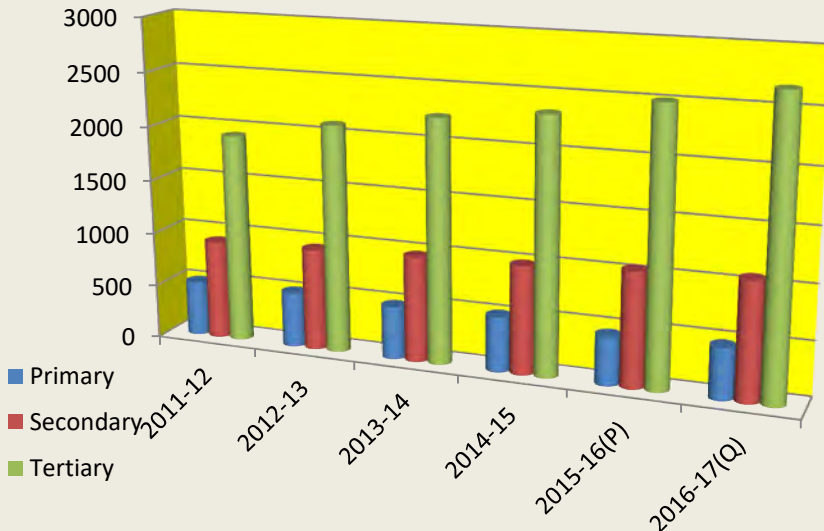
Base Year 2011-12

(Rs. In billion)

	Sector	2011-12	2012-13	2013-14	2014-15	2015-16(P)	2016-17(Q)
GSVA	Primary	511.01	513.58	494.09	515.09	454.87	478.46
	Secondary	919.71	945.48	978.43	999.11	1056.28	1086.67
	Tertiary	1932.21	2104.49	2243.99	2344.49	2512.38	2680.75
	Total	3362.93	3563.55	3716.51	3858.7	4023.53	4245.89
GSDP		3640.48	3876.93	4027.81	4199.56	4476.92	4808.78
Per Capita GSDP (Rs in lakhs.)		1.09	1.15	1.19	1.24	1.31	1.4

Source:-DES,GOK

### Gross State Value Added by Economic Activity and GSDP-At Constant Prices





## 2.7 Trend In Development Expenditure

(Rs. In billion)

Sl No		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
	<b>GSDP</b>	36404788	41231300	46504121	51256405	55794651	61703466
<b>1</b>	<b>Social and Development Services</b>	1982443	2333392	2575409	3060160	3504023	4090735
	<b>Percentage to GSDP</b>	5.45	5.66	5.54	5.97	6.28	6.63
	a. Education	942474	10532.02	11709.84	12790.19	14120.05	17061.09
	Percentage to GSDP	2.59	0.03	0.03	0.02	0.03	0.03
	b. Medical and Public health, Family welfare	316301	364384	408815	470963	552467	666202
	Percentage to GSDP	0.87	0.88	0.88	0.92	0.99	1.08
	c. Agriculture, Animal Husbandry and Co operation	280777	344266	351456	389293	438034	556915
	Percentage to GSDP	0.77	0.83	0.76	0.76	0.79	0.9
	d. Community Devp & Misc Social & Devp Organisation etc	368647	467975	545964	799789	986280	1020475
	Percentage to GSDP	1.01	1.13	1.17	1.56	1.77	1.65
	Industry, Labour & Employment	74245	103565	98190	121097	115236	141034
	Percentage to GSDP	0.2	0.25	0.21	0.24	0.21	0.23

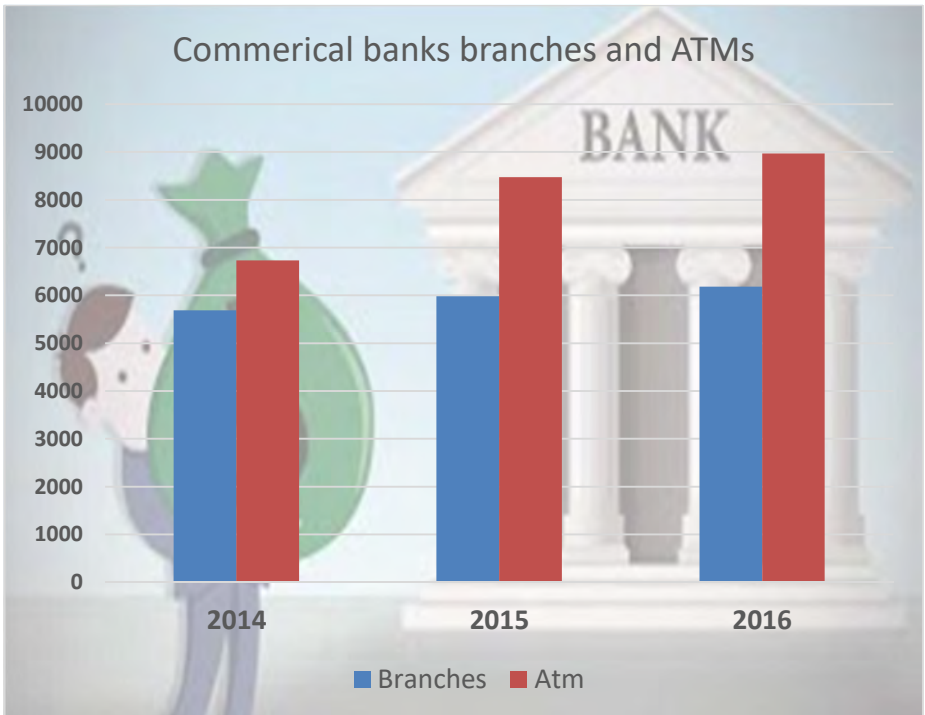
<b>2</b>	<b>Irrigation</b>	<b>36217</b>	<b>48269</b>	<b>45176</b>	<b>39175</b>	<b>48891</b>	<b>50818</b>
	Percentage to GSDP	0.1	0.12	0.1	0.08	0.09	0.08
<b>3</b>	<b>Public Works(Roads &amp; Bridges)</b>	116274	164583	163234	176061	201030	118263
	Percentage to GSDP	0.32	0.4	0.35	0.34	0.36	0.19
<b>4</b>	<b>Forest</b>	29112	34448	37834	42870	41860	51898
	Percentage to GSDP	0.08	0.08	0.08	0.08	0.08	0.08
<b>5</b>	<b>Transport and Communications(Other than Roads)</b>	16793	19092	11793	17656	14645	10242
	Percentage to GSDP	0.05	0.05	0.03	0.03	0.03	0.02
<b>6</b>	<b>Housing &amp; Urban Development</b>	37953	41712	32818	37532	36174	95024
	Percentage to GSDP	0.1	0.1	0.07	0.07	0.06	0.15
<b>7</b>	<b>Others</b>	16760	27096	28140	18115	23549	25026
	Percentage to GSDP	0.05	0.07	0.06	0.04	0.04	0.04
	<b>Total</b>	2235552	2668592	2894404	3391569	3870172	4442006
	Percentage to GSDP	6.14	6.47	6.22	6.62	6.94	7.2
<b>8</b>	<b>Development Expenditure of LSGs</b>	271432	320313	401217	526651	306097	418256
	Percentage to GSDP	0.75	0.78	0.86	6	0.55	0.68

*Source- DES GOK*



### III. Banking

The break-up of the branch network at the State shows that majority of the branches are located in semi urban areas, The share of urban branches are 32% and rural branches are 8%. The number of ATMs are 8966. This chapter contains business details of Commercial banks in Kerala such as number of branches, ATMs debits of domestic and NRI deposits, percent share of domestic and NRI deposits, details of different type of loans etc.



### **3.1 VITAL BANKING STATISTICS**

Sl. No.	Parameter	Mar-14	Mar-15	Mar-16
1	Commercial Bank branches (No)	5688	5984	<b>6186</b>
2	ATMs (No)	6730	8477	<b>8966</b>
3	Total Deposits (in Crores)	279655	319890	<b>361593</b>
4	NR Deposits (in Crores)	93883	109603	<b>135609</b>
5	Domestic Deposits (in Crores)	185772	210287	<b>225985</b>
6	Share of Domestic Deposits (%)	66.4%	65.7%	<b>62.5%</b>
7	Total Advances (in Crores)	192010	218706	<b>232418</b>
8	Total Business of Commercial Banks(in Crores)	471665	538596	<b>594011</b>
9	CD Ratio	68.66	68.37	<b>64.28</b>
10	C+I: D Ratio	72.59	71.18	<b>67.12</b>
11	Priority Sector Advances (PSA) (in Crores)	113555	128655	<b>132256</b>
12	PSA to Total Advances (%)	59.14%	58.83%	<b>56.90%</b>
13	Priority Sector Loan Accounts (No)	6560686	7387412	<b>6776882</b>
14	Agricultural Advances (in Crores)	48812	57656	<b>54888</b>
15	Agricultural Advances to Total Advances(%)	25.42%	26.36%	<b>23.62%</b>
16	Agriculture Loan Accounts(No)	4832702	5624170	<b>5050768</b>
17	Gold Loan to Agricultural Advances(%)	66.2%	60.5%	<b>56.2%</b>
18	MSME Advances	32069	35730	<b>39463</b>
19	DRI Advances	66.54	49.43	<b>43.30</b>
20	Different Rate of Interest (DRI	0.03%	0.02%	<b>0.02%</b>

	)Advances to Total Advances(%)			
<b>21</b>	Scheduled Caste Advances(in Crores)	4664	4390	<b>4437</b>
<b>22</b>	Scheduled Tribe Advances(in Crores)	1008	1164	<b>1049</b>
<b>23</b>	Weaker Section Advances(in Crores)	41701	47092	<b>54243</b>
<b>24</b>	WS Advances to Total Advances(%)	21.72%	21.53%	<b>23.34%</b>
<b>25</b>	Minority Community Advances (MCA) (in Crores)	67406	72432	<b>86853</b>
<b>26</b>	MCA to Total Priority Credit(%)	59.4%	56.3%	<b>65.7%</b>
<b>27</b>	Education loan – No: of Accounts	383317	387972	<b>364591</b>
<b>28</b>	Education loan – Amount Outstanding(in Crores)	9053	9466	<b>9586</b>
<b>29</b>	Educational Loan NPA Position (No of Accounts)	45843	32345	<b>43644</b>
<b>30</b>	Educational Loan Non-Performing Asset (NPA) Position(Outstanding)	915	710	<b>1094</b>
<b>31</b>	Housing loan Advances(in Crores)	22697	25121	<b>27379</b>
	Total Industrial Advances	38479	54417	<b>52603</b>

*Source:-Lead bank of India*

## 3.2 Sector wise Annual Credit Plan (amount in crores)

Sector	March 2014			March 2015			March 2016		
	Target	Actual	Achmt (%)	Target	Actual	Achmt (%)	Target	Actual	Achmt (%)
<b>Primary</b>	34736	42890	<b>123.5</b>	40866	49080	<b>120.1</b>	47919	52374	<b>109.3%</b>
<b>Secondary</b>	7127	7892	<b>110.7</b>	16422	17574	<b>107.0</b>	19180	19277	<b>100.5%</b>
<b>Tertiary</b>	38600	38962	<b>100.9</b>	35837	31037	<b>86.6</b>	37837	36472	<b>96.4%</b>
<b>Total Priority sector</b>	80463	89744	111.5	93124	97691	104.9	104937	108122	<b>103%</b>

*Source:-Lead bank of India*

**3.3 Data of District Cooperative Banks as of March 2016 (Rs. Crore)**

Sl no	Districts	Number of Branches	Deposits	Loans	CD Ratio(%)
1	Thiruvananthapuram	76	5748.64	2743.98	47.73
2	Kollam	63	3182.63	1724.71	54.19
3	Pathanamthitta	59	2051.88	1143.68	55.74
4	Alappuzha	55	2684.63	1455.89	54.23
5	Kottayam	58	3698.59	1626.41	43.97
6	Idukki	54	2049.44	1986.51	96.93
7	Ernakulam	62	8043.81	3716.08	46.20
8	Thrissur	58	5806.27	3298.32	56.81
9	Palakkad	44	4148.06	1760.19	42.43
10	Malappuram	53	3628.36	2188.2	60.31
11	Kozhikkode	60	3703.4	2546.4	68.76
12	Wayanad	31	763.69	652.37	85.42
13	Kannur	65	5419.03	2212.61	40.83
14	Kasaragod	45	1528.3	891.08	58.31
	<b>Kerala</b>	<b>783</b>	<b>52456.73</b>	<b>27946.43</b>	<b>53.28</b>

Source: ,Lead bank of Indai



**3.4 District-wise details of Commercial Banks in Kerala as of March 2016**

<b>Sl no</b>	<b>District</b>	<b>No. of Branches</b>	<b>Deposits (Rs. Crore)</b>	<b>Loans (Rs. Crore)</b>	<b>CD Ratio (%)</b>
<b>1</b>	Thiruvananthapuram	655	50442.22	32217.07	<b>63.87</b>
<b>2</b>	Kollam	348	23276.16	13221.74	<b>56.80</b>
<b>3</b>	Pathanamthitta	361	29761.75	7710.49	<b>25.91</b>
<b>4</b>	Alappuzha	348	21677.91	9453.82	<b>43.61</b>
<b>5</b>	Kottayam	448	26531.58	13968.08	<b>52.65</b>
<b>6</b>	Idukki	166	3934.69	4808.64	<b>122.21</b>
<b>7</b>	Ernakulam	894	67518.43	57716.97	<b>85.48</b>
<b>8</b>	Thrissur	664	38176.21	21405.17	<b>56.07</b>
<b>9</b>	Palakkad	358	14849.47	9331.95	<b>62.84</b>
<b>10</b>	Malappuram	388	15295.65	8818.94	<b>57.66</b>
<b>11</b>	Kozhikkode	389	18462.51	13424.18	<b>72.71</b>
<b>12</b>	Wayanad	103	2065.46	2577.43	<b>124.79</b>
<b>13</b>	Kannur	352	18078.65	9602.27	<b>53.11</b>
<b>14</b>	Kasaragod	202	5207.98	4550.44	<b>87.37</b>
	<b>Kerala</b>	<b>5676</b>	<b>335278.67</b>	<b>208807.21</b>	<b>62.28</b>

Source: ,Lead bank of India

**3.5 District wise data on Primary Agricultural Co-operative Societies, March 2016**

Sl no	District	Number of PACS	Number of branches	Deposits (in Crores)	Loans (in Crores)	CD Ratio
1	Thiruvananthapuram	119	184	7014.29	5298.84	<b>75.54</b>
2	Kollam	130	172	6718.26	5181.72	<b>77.13</b>
3	Pathanamthitta	105	81	2294.19	1636.00	<b>71.31</b>
4	Alappuzha	189	66	2771.91	2328.58	<b>84.01</b>
5	Kottayam	143	360	6633.84	4760.68	<b>71.76</b>
6	Idukki	73	259	1680.08	1762.29	<b>104.89</b>
7	Ernakulam	177	138	9138.08	4288.80	<b>46.93</b>
8	Thrissur	161	284	15980.74	8243.62	<b>51.58</b>
9	Palakkad	96	183	5718.66	4053.63	<b>70.88</b>
10	Mallapuram	132	205	5305.47	3866.28	<b>72.87</b>
11	Kozhikkode	106	305	6916.2	5605.12	<b>81.04</b>
12	Wayanad	38	45	728.01	575.99	<b>79.12</b>
13	Kannur	137	501	10066.7	7085.4	<b>70.38</b>
14	Kasargod	64	146	2186.26	2018.96	<b>92.35</b>
	<b>Kerala</b>	<b>1670</b>	<b>2929</b>	<b>83,152.69</b>	<b>56,705.91</b>	<b>68.19</b>

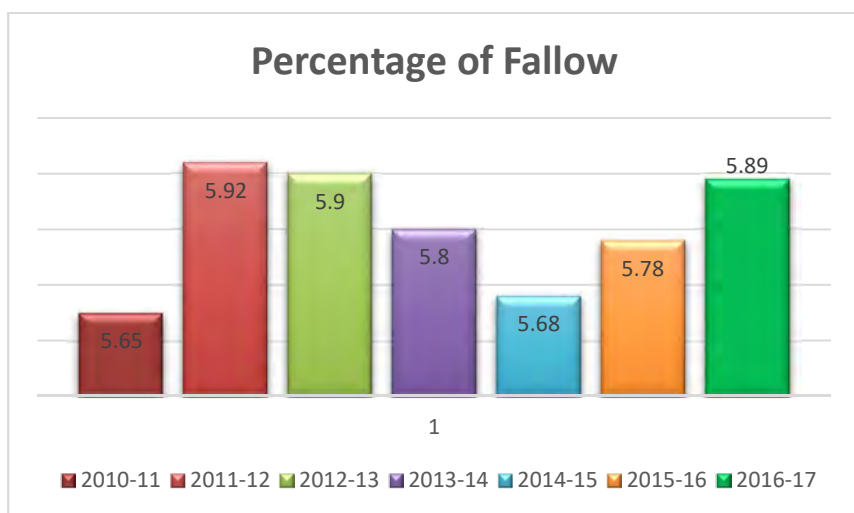
Source-LeadBankofIndia



## IV. Agriculture

Kerala agricultural economy is undergoing structural transformation in the trend of decreasing cultivated area of crops like paddy, tapioca and increasing cultivated area of banana and plantain. The area under paddy has been declining continuously over the past several years. The data regarding area production and productivity of important crops grown in Kerala during 2010-11 to 2016-17 shows the changing cropping pattern of agricultural sector in the State. The type of gross cropped area of food crops come increased to 36% of total cropped area whereas 57% are covered with oil seeds and plantation crops and non-food crops. Cropping pattern in the State is dominated by cash crops like rubber, cashew, pepper, tea and coffee, covering 62.8% of the total cultivated area and major area of food crops are rice, tapioca, banana and plantain. Coconut occupied largest area of crop cover followed by Rubber and Paddy. As per 2011 census percentage of agricultural workers in Kerala is 5.96% and it was 7.36% as per 2001 census. This chapter gives an idea about agricultural scenario of Kerala such as Area of crop and

production of major crops, classification of area on the basis of land utilisation, District wise area of forest, district wise area and production of major crops, productivity of rice trend of paddy cultivation and data on operational holding in the State, District wise details of Operational holding, State wise Average Agricultural wage rate etc.



**4.1 Percentage of Classification of area on the bases of different Fallows**

Sl no	District	Total Geographical area (in Ha)	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	Thiruvanantha puram	218781	1.66	1.67	1.89	1.84	1.84	2.02	1.82
2	Kollam	248788	3.03	3.15	3.33	2.93	3.47	3.06	3.22
3	Pathanamthitta	265277	3.25	3.48	3.39	3.38	3.19	3.36	3.25
4	Alappuzha	141011	14.13	14.81	14.54	14.96	16.12	13.74	13.63
5	Kottayam	220442	6.23	9.31	6.73	7.02	6.76	6.6	6.87
6	Idukki	436328	1.15	1.1	1.31	1.19	1.19	1.2	1.11
7	Ernakulam	305826	9.5	10.28	10.26	10.14	9.3	10.18	9.94
8	Thrissur	302919	8.67	8.45	8.5	8.6	8.09	7.87	8.59
9	Palakkad	447584	12.05	11.45	12.23	11.33	11.19	11.61	11.91
10	Malappuram	355446	5.99	5.52	5.45	5.25	4.97	5.35	5.54
11	Kozhikkode	234641	2.34	2.59	2.53	2.69	2.52	2.77	2.45
12	Wayanad	212966	1.77	1.7	1.98	1.72	1.8	1.87	2.45
13	Kannur	297112	3.14	4.03	4.14	4.75	4.81	4.93	4.84
14	Kasaragod	199166	6.03	6.87	6.54	6.44	6.05	6.81	7.18
	Kerala	3886287	5.65	5.92	5.9	5.8	5.68	5.78	5.89

Source:-DES,Kerala

## Type of fallows

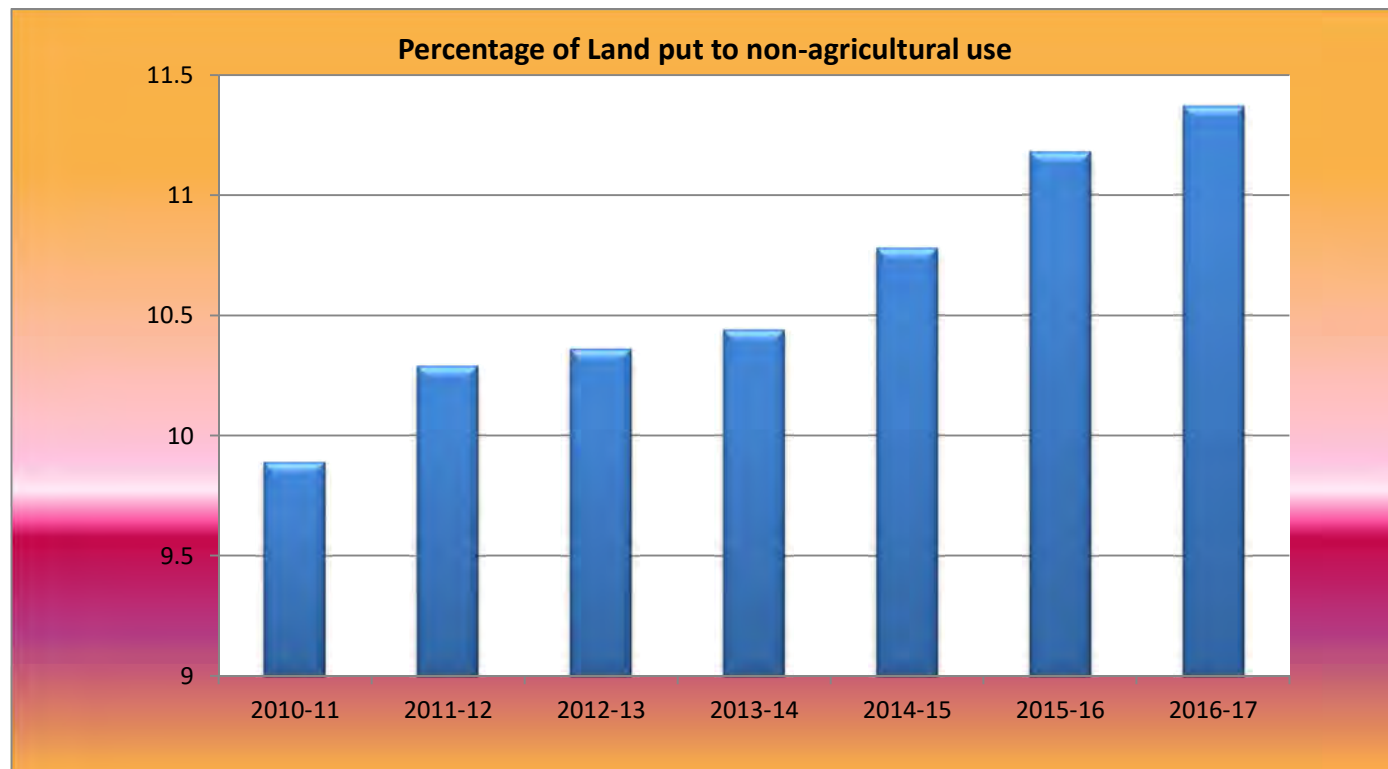


#### 4.2 Percentage of Land put to non-agricultural use

Sl no	District	Total Geographical area (Ha)	2010-11 (Area)	Percentage of non agriculture use	2011-12(Area)	Percentage of non agriculture use	2012-13(Area)	Percentage of non agriculture use	2013-14(Area)	Percentage of non agriculture use	2014-15(Area)	Percentage of non agriculture use	2015-16(Area)	Percentage of non agriculture use	2016-17(Area)	Percentage of non agriculture use
1	Tvpm	218781	26949	12.32	29834	13.64	29767	13.61	30396	13.89	31887	14.57	33161	15.16	33025	15.1
2	KLM	248788	25199	10.13	26567	10.68	26734	10.75	27247	10.95	27832	11.19	28314	11.38	28703	11.54
3	PTA	265277	16361	6.17	16484	6.21	16126	6.08	16488	6.22	16647	6.28	17666	6.66	18269	6.89
4	ALP	141011	20881	14.81	22278	15.8	22522	15.97	22567	16	23198	16.45	25114	17.81	24323	17.25
5	KTYM	220442	25893	11.75	25712	11.66	26459	12	27611	12.53	27739	12.58	28449	12.91	28693	13.02
6	IDK	436328	11971	2.74	11991	2.75	12610	2.89	12700	2.91	13328	3.05	13714	3.14	14315	3.28
7	ERNK	305826	40036	13.09	40246	13.16	40819	13.35	40875	13.37	42491	13.89	42941	14.04	44330	14.5
8	TSR	302919	36707	12.12	37998	12.54	37445	12.36	37613	12.42	37874	12.5	38313	12.65	39026	12.88
9	PKD	447584	41410	9.25	43383	9.69	43690	9.76	45231	10.11	46010	10.28	49021	10.95	50662	11.32
10	MLP	355446	44439	12.5	46615	13.11	45189	12.71	47363	13.32	50126	14.1	51203	14.41	51678	14.54
11	KZD	234641	26577	11.33	28483	12.14	28945	12.34	29798	12.7	31039	13.23	31763	13.54	33445	14.25
12	WYD	212966	11070	5.2	11271	5.29	10932	5.13	11295	5.3	11135	5.23	12649	5.94	11789	5.54
13	KNR	297112	29858	10.05	31665	10.66	33684	11.34	32457	10.92	34452	11.6	36727	12.36	37512	12.63
14	KSGD	199166	26823	13.47	27397	13.76	27655	13.89	24185	12.14	25370	12.74	25611	12.86	26164	13.14
	Kerala	<b>3886287</b>	<b>384174</b>	<b>9.89</b>	<b>399924</b>	<b>10.29</b>	<b>402577</b>	<b>10.36</b>	<b>405826</b>	<b>10.44</b>	<b>419128</b>	<b>10.78</b>	<b>434646</b>	<b>11.18</b>	<b>441934</b>	<b>11.37</b>

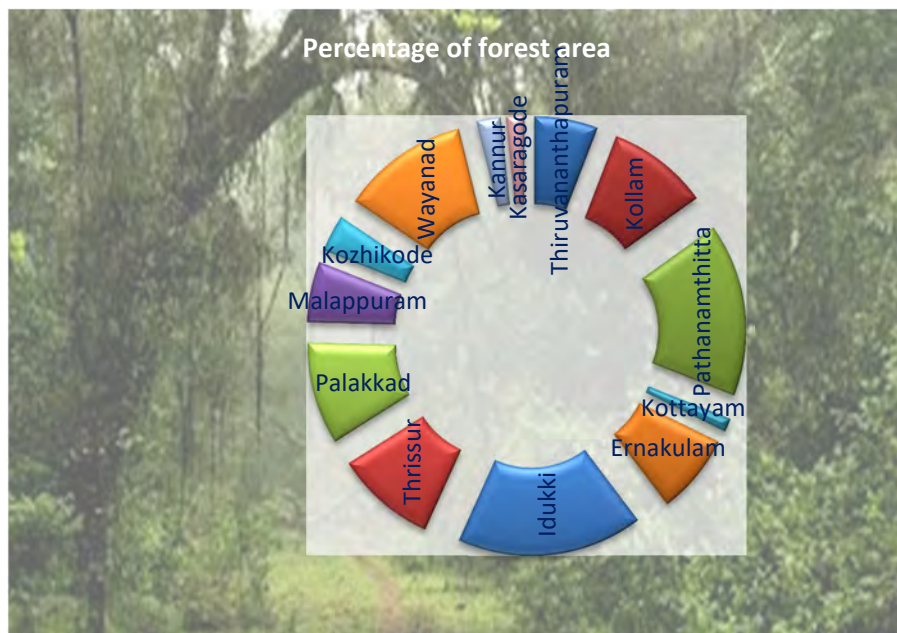
Source: - Agriculture Statistics, GOK





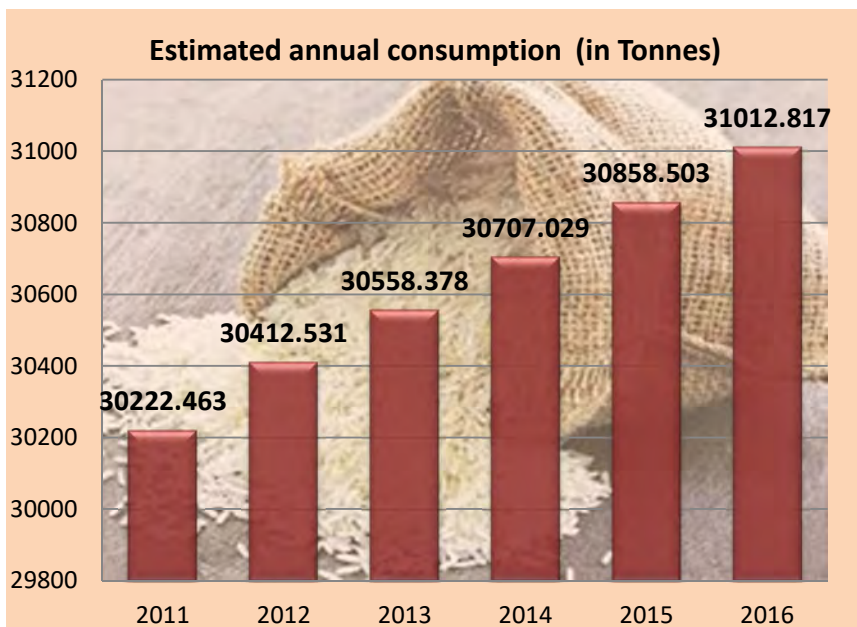
**4.3 District wise percentage of forest area in Kerala**

Sl no	District	Total Geographical area (Ha)	Forest area (Ha)	% of forest area
1	Thiruvananthapuram	218781	46383.41	21.20
2	Kollam	248788	84056.72	33.79
3	Pathanamthitta	265277	153379.37	57.82
4	Alappuzha	141011	0	0
5	Kottayam	220442	10084.5	4.57
6	Ernakulam	305826	82383.02	26.94
7	Idukki	436328	271372.26	62.19
8	Thrissur	302919	102275.17	33.76
9	Palakkad	447584	152735.64	34.12
10	Malappuram	355446	72391.81	20.37
11	Kozhikode	234641	29045.14	12.38
12	Wayanad	212966	90704.47	42.59
13	Kannur	297112	24145.22	8.13
14	Kasaragode	199166	11984.99	6.02
	Kerala	3886287	1130941.72	29.10



#### 4.4 Year wise estimated requirement and consumption of Rice

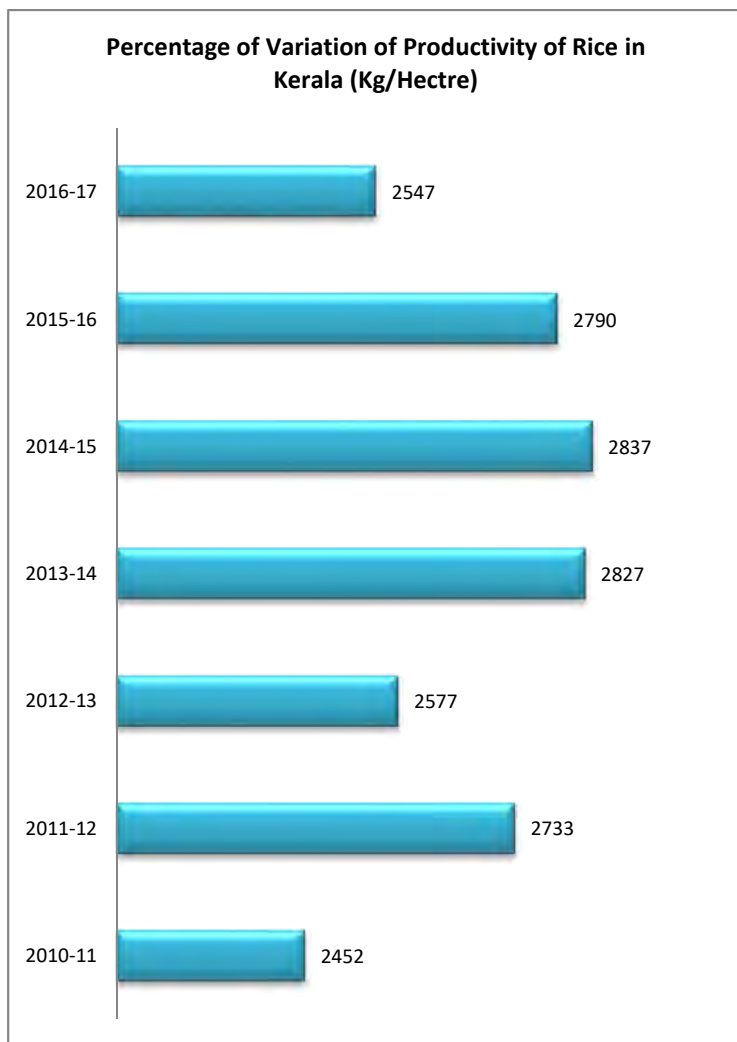
Year	Percapita annual consumption (Kg)	Projected population	Estimated annual consumption (in tonnes)	monthly requirement of rice (in tonnes)
2011	90.47	33406061	3022246.3	251853.9
2012	90.47	33616150	3041253.1	253437.8
2013	90.47	33777360	3055837.8	254653.2
2014	90.47	33941670	3070702.9	255891.9
2015	90.47	34109100	3085850.3	257154.2
2016	90.47	34279669	3101281.7	258440.1



\*

4.5 Percentage Variation of production of rice( with respect to pervious year)	
2010-11	-12.63
2011-12	8.85
2012-13	-10.67
2013-14	11.02
2014-15	-0.4
2015-16	-2.28
2016-17	-20.53

Source: - Agriculture Statistics, GOK



**4.6 District wise details of Soil Health Card**

Sl. No.	Districts	Cumulative target for soil samples collection and testling during cycle -I (2015-16 & 2016-17)	No. of samples collected (Cycle-I)	No. of Samples Tested (Cycle - I)	Cumulative target for printing & Distribution of SHCs for Cycle - I (2015-16 & 2016-17)	No.of SHCs distributed (Cycle - I)
1	Thiruvananthapuram	15300	16068	16068	76500	74795
2	Kollam	13300	14153	14059	66500	62055
3	Pathanam thitta	9350	8527	8327	46750	32430
4	Alappuzha	14700	14949	12582	73500	72296
5	Kottayam	14300	14750	14760	71500	57017
6	Idukki	11200	12244	12244	56000	50086
7	Ernakulam	11800	12035	12035	59000	41250
8	Thrissur	15100	14234	14234	75500	68327
9	Palakikad	13900	14368	13268	69500	67386
10	Malappuram	14100	15584	14703	70500	43091
11	Kozhikode	13618	13558	13558	68090	60987
12	Wayanadu	10600	9709	9709	53000	39062
13	Kannur	13300	14902	14902	66500	58502
14	Kasaragod	9050	8105	8105	45250	36151
	Kerala	179618	183186	178554	898090	763435

*Source: -Department of Agriculture and farmers Welfare , GOK*

**4.7 Agency - Wise Disbursement Of Refinance Assistance By NABARD In Kerala (2010-11 to 2016-17) (in Crores)**

Sl. No.	Agency	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
		Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
1	KSCARD Bank Ltd.	335	22	671	25	682	25	778	32	1155	22	1450	28	1690	19
2	Commercial Banks	1070	70	1918	71	1826	67	1482	60	269	5	675	13	2858	33
3	State Co-operative Banks	0	0	0	0	0	0	0	0	1277	24	1381	27	2379	27
4	Regional Rural Banks	133	9	95	4	236	9	200	8	2647	49	1587	31	1762	20
	Total	1538	100	2685	100	2744	100	2460	100	5348	100	5093	100	8690	100

*Source: -Economic Review, GOK*

#### 4.8 State Wise Average Agricultural Wage Rate for Field Labour (Male)- 2005-06 to 2015-16 (In Rs)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	% CA GR
Andhra pradesh	62	69	85	108	128	162	194	227	245	277	295	17
Assam	66	69	79	81	96	118	142	177	209	242	245	14
Bihar	60	71	71	84	87	129	140	185	191	205	215	14
Chhattisgarh	48	52	58	71	75	85	117	125	150	176	181	14
Gujarat	76	77	82	94	102	118	137	148	161	195	176	9
Haryana	111	115	129	164	195	224	266	301	339	372	388	13
Himachal pradesh	85	99	102	119	129	158	177	196	209	247	276	12
Jharkhand	NA	61	81	83	92	106	104	119	155	NA	182	NC



# STATISTICAL HANDBOOK

<b>Karnataka</b>	68	72	78	114	115	130	171	181	224	279	272	<b>15</b>
<b>Kerala</b>	<b>163</b>	<b>183</b>	<b>201</b>	<b>227</b>	<b>264</b>	<b>306</b>	<b>364</b>	<b>433</b>	<b>486</b>	<b>535</b>	<b>576</b>	<b>13</b>
<b>Madhya pradesh</b>	55	56	59	74	87	103	131	155	175	187	213	<b>15</b>
<b>Maharashtra</b>	54	50	67	71	82	100	121	175	120	152	NA	<b>12</b>
<b>Orissa</b>	48	56	56	65	81	102	124	149	171	197	224	<b>17</b>
<b>Punjab</b>	99	98	107	132	159	201	276	281	304	338	373	<b>14</b>
<b>Rajasthan</b>	72	91	102	116	139	148	184	207	231	275	300	<b>15</b>
<b>Tamil nadu</b>	76	76	93	103	129	160	196	245	253	303	334	<b>16</b>
<b>Tripura</b>	NA	105	NA	NA	NA	188	222	255	273	285	288	<b>NC</b>
<b>Uttar pradesh</b>	70	67	88	91	104	124	151	180	203	226	238	<b>13</b>
<b>West bengal</b>	62	67	74	82	98	130	157	267	214	231	259	<b>15</b>
<b>All india average</b>	<b>74</b>	<b>82</b>	<b>91</b>	<b>108</b>	<b>124</b>	<b>149</b>	<b>183</b>	<b>214</b>	<b>229</b>	<b>268</b>	<b>281</b>	<b>14</b>

Source:-Agriculture wage Statistics ,GOI

NA: Not Available NC: Not Computed

**4.9 State Wise Average Agricultural Wage Rate for Field Labour (Female)- 2005-06 to 2015-16(In Rs)**

Sl No.	State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	CAGR
1	Andhra pradesh	44	50	62	79	95	124	141	159	179	195	200	16
2	Assam	48	45	52	60	-	95	114	138	166	190	200	15
3	Bihar	47	58	68	68	68	112	115	166	171	194	203	16
4	Chhattisgarh	36	36	44	52	60	66	88	88	104	124	134	14
5	Gujarat	62	65	71	83	92	107	123	132	144	161	156	10
6	Haryana	90	93	101	138	165	184	215	255	290	308	322	14
7	Himachal pradesh	83	80	86	102	106	128	148	171	188	228	252	12
8	Jharkhand	NA	58	63	79	87	100	99	111	141	NA	170	NC
9	Karnataka	60	68	74	110	111	125	152	161	202	235	245	15
10	<b>Kerala</b>	<b>108</b>	<b>117</b>	<b>138</b>	<b>165</b>	<b>193</b>	<b>236</b>	<b>283</b>	<b>336</b>	<b>375</b>	<b>405</b>	<b>427</b>	<b>15</b>
11	Madhya pradesh	46	48	52	64	76	92	118	137	152	162	184	15
12	Maharashtra	40	46	67	59	65	80	93	125	94	100	NA	11

# STATISTICAL HANDBOOK

13	Orissa	47	43	46	55	64	80	94	116	127	150	173	14
14	Rajasthan	53	64	75	84	82	90	118	155	182	217	247	17
15	Tamil nadu	39	42	45	56	68	83	97	112	123	130	142	14
16	Tripura	87	84	NA	NA	NA	140	159	183	202	217	225	10
17	Uttar pradesh	NA	60	78	76	98	NA	131	154	180	191	216	NC
18	West bengal	52	54	69	67	83	110	132	146	181	186	219	15
19	All india average	<b>59</b>	<b>62</b>	<b>70</b>	<b>82</b>	<b>95</b>	<b>115</b>	<b>134</b>	<b>158</b>	<b>178</b>	<b>200</b>	<b>218</b>	<b>14</b>

**NA: Not Available NC: Not Computed**

*Source:-Agriculture wage Statistics ,GOI*

#### 4.10 District wise number and area of operational holding and its percentage of variation under 8<sup>th</sup> and 9<sup>th</sup> Agriculture census

Sl no	District	Number of Operational Holdings			Area operated (Hectares)		
		2005-2006	2011-12	% of variation	2005-2006	2011-12	% of variation
1	Thiruvananthapuram	750903	792342	5.52	86352	82426	-4.55
2	Kollam	580297	611896	5.45	90187	86099	-4.53
3	Pathanamthitta	296818	296484	-0.11	66771	71023	6.37
4	Alappuzha	477343	487201	2.07	67161	74851	11.45
5	Kottayam	418736	428487	2.33	123984	127392	2.75
6	Idukki	259615	298811	15.1	164849	179576	8.93
7	Ernakulam	647395	678312	4.78	120052	115587	-3.72
8	Thrissur	684740	663126	-3.16	99369	102560	3.21

<b>9</b>	Palakkad	499524	527994	5.7	145484	163505	12.39
<b>10</b>	Malappuram	690472	647120	-6.28	132858	134258	1.05
<b>11</b>	Kozhikode	638351	605569	-5.14	110586	107187	-3.07
<b>12</b>	Wayanad	174416	156391	-10.33	90456	86570	-4.3
<b>13</b>	Kannur	485221	487109	0.39	127115	137409	8.1
<b>14</b>	Kasargod	226958	223450	-1.55	85592	86383	0.92
	Kerala	6830789	6904292	1.08	1510816	1554826	2.91

*Source :- 8<sup>th</sup> and 9<sup>th</sup> Agriculture census, DES,Kerala*

## 4.11 Percentage of Net sown area compared to Total geographical area (Ha)

Sl no	District	Total Geographical area	2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
			Net sown area	% of area	Net sown area	% of area	Net sown area	% of area	Net sown area	% of area	Net sown area	% of area	Net sown area	% of area
1	Thiruvananthapuram	218781	130758	59.77	130360	59.58	129750	59.31	128290	58.64	126580	57.86	128999	58.96
2	Kollam	248788	124779	50.15	123711	49.73	124066	49.87	123060	49.46	123563	49.67	122878	49.39
3	Pathanamthitta	265277	81071	30.56	81659	30.78	81364	30.67	81720	30.81	80223	30.24	80501	30.35
4	Alappuzha	141011	85159	60.39	85361	60.53	84705	60.07	82133	58.25	83590	59.28	84588	59.99
5	Kottayam	220442	157899	71.63	162939	73.91	161217	73.13	161693	73.35	161368	73.2	160621	72.86
6	Idukki	436328	206908	47.42	205664	47.14	206110	47.24	205998	47.21	205680	47.14	205544	47.11
7	Ernakulam	305826	143317	46.86	151662	49.59	151786	49.63	152242	49.78	149089	48.75	148364	48.51
8	Thrissur	302919	128895	42.55	128651	42.47	128385	42.38	129817	42.86	129942	42.9	128469	42.41
9	Palakkad	447584	198043	44.25	194599	43.48	197192	44.06	196732	43.95	191277	42.74	188897	42.2

10	Malappuram	355446	177878	50.04	179978	50.63	178389	50.19	176683	49.71	174237	49.02	173178	48.72
11	Kozhikkode	234641	153327	65.35	153184	65.28	151899	64.74	151069	64.38	149940	63.9	147732	62.96
12	Wayanad	212966	115135	54.06	114899	53.95	115144	54.07	115139	54.06	113313	53.21	112907	53.02
13	Kannur	297112	196175	66.03	193584	65.16	192923	64.93	190552	64.13	188213	63.35	187932	63.25
14	Kasaragod	199166	140788	70.69	141858	71.23	148064	74.34	147753	74.19	146058	73.33	144872	72.74
	Kerala	3886287	2040132	52.5	<b>2048109</b>	52.7	<b>2050994</b>	52.78	<b>2042881</b>	52.57	<b>2023073</b>	52.06	<b>2015482</b>	51.86

*Source: - Agriculture Statistics, GOK*

## 4.12 Percentage of paddy area (Ha)

Districts	2010-11			2011-12			2012-13			2013-14		
	Total cropped area	Paddy	% of paddy area	Total cropped area	Paddy	% of paddy area	Total cropped area	Paddy	% of paddy area	Total cropped area	Paddy	% of paddy area
Thiruvananthapuram	154110	2919	1.89	155065	2395	1.54	154322	1816	1.18	159217	2001	1.26
Kollam	159706	3342	2.09	157343	2097	1.33	155764	1387	0.89	159584	1363	0.85
Pathanamthitta	103441	2986	2.89	102385	2802	2.74	99719	2280	2.29	101326	2467	2.43
Alappuzha	108489	37060	34.16	107389	36251	33.76	104287	36195	34.71	106619	37403	35.08
Kottayam	206789	14775	7.14	209452	21410	10.22	202052	17571	8.7	199535	15746	7.89
Idukki	308268	1819	0.59	276493	1264	0.46	268142	1176	0.44	263171	661	0.25
Ernakulam	171574	9016	5.25	172449	7731	4.48	163767	3940	2.41	165157	4052	2.45
Thrissur	161216	20259	12.57	181287	21172	11.68	177180	23098	13.04	177618	22274	12.54



Palakkad	303461	87511	28.84	302348	83998	27.78	291194	79201	27.2	301712	82896	27.48
Malappuram	237474	8949	3.77	240877	7528	3.13	230288	6674	2.9	237098	7549	3.18
Kozhikode	201861	3003	1.49	206971	2920	1.41	203275	3511	1.73	200116	2433	1.22
Wayanad	175300	11054	6.31	172355	8995	5.22	170613	10230	6	174190	11481	6.59
Kannur	210851	6339	3.01	226570	5740	2.53	222863	6684	3	219456	5080	2.31
Kasaragode	144921	4155	2.87	150773	3857	2.56	148268	3514	2.37	151871	4205	2.77
<b>Kerala</b>	264746 1	21318 7	8.05	2661757	208160	7.82	2591734	197277	7.61	2616670	199611	7.63

*Source: - Agriculture Statistics, GOK*

## 4.12 Percentage of paddy area (Ha)

Sl no	Districts	2014-15			2015-16			2016-17		
		Total cropped area	Paddy	% of paddy area	Total cropped area	Paddy	% of paddy area	Total cropped area	Paddy	% of paddy area
1	Thiruvananthapuram	162748	2093	1.29	162848	2119	1.3	158979.1	1392	0.88
2	Kollam	151246	1327	0.88	149317	1555	1.04	147942.4	1302	0.88
3	Pathanamthitta	103344	2592	2.51	103571	2534	2.45	103972.5	2640	2.54
4	Alappuzha	103135	34415	33.37	101498	31724	31.26	102620.7	32453	31.62
5	Kottayam	202423	17295	8.54	203750	16272	7.99	204337.2	17216	8.43
6	Idukki	272042	697	0.26	270487	887	0.33	270356	695	0.26
7	Ernakulam	166461	4644	2.79	165536	5950	3.59	166085.6	4730	2.85
8	Thrissur	174797	24151	13.82	174275	24625	14.13	170978.1	21100	12.34

9	Palakkad	300622	82912	27.58	293440	81120	27.64	278455.7	65513	23.53
10	Malappuram	240730	8402	3.49	241585	8687	3.6	237860.2	7140	3
11	Kozhikode	201994	2321	1.15	200842	2872	1.43	198389	1987	1
12	Wayanad	171340	9690	5.66	179488	9204	5.13	166875	7822	4.69
13	Kannur	221110	4955	2.24	225442	5478	2.43	221366.6	4671	2.11
14	Kasaragod	152632	2665	1.75	155498	3843	2.47	155789	2737	1.76
	Kerala	2624624	198159	7.55	2627577	196870	7.49	2584007	171398	6.63

Source: - Agriculture Statistics, GOK Arera in Ha, Production in Tonnes

## 4.13 District wise Area(Ha) and Production of Paddy (Tonnes)

Sl no	District	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
		Area	Prodn in Rice	Area	Prodn in Rice	Area	Prodn in Rice	Area	Prodn in Rice	Area	Prodn in Rice	Area	Prodn in Rice	Area	Prodn in Rice
1	Thiruvananthapuram	2919	6923	2395	6139	1816	4096	2001	5326	2093	5561	2119	5453	1392	3069
2	Kollam	3342	7155	2097	4768	1387	2928	1363	3234	1327	3150	1555	3351	1302	2396
3	Pathanamthitta	2986	6628	2802	8989	2280	6041	2467	7554	2592	7573	2534	8396	2640	8837
4	Alappuzha	37060	91325	36251	111980	36195	104593	37403	106866	34415	103095	31724	89335	32453	102439
5	Kottayam	14775	40970	21410	63579	17571	51019	15746	50729	17295	49393	16272	49506	17216	48030
6	Idukki	1819	4744	1264	3135	1176	3183	661	1796	697	1803	887	2198	695	1631
7	Ernakulam	9016	17823	7731	16572	3940	8533	4052	9056	4644	9974	5950	12652	4730	10695
8	Thrissur	20259	53079	21172	62316	23098	67569	22274	66653	24151	76016	24625	78886	21100	57478
9	Palakkad	87511	218155	83998	224413	79201	189229	82896	238065	82912	236398	81120	228459	65513	144275

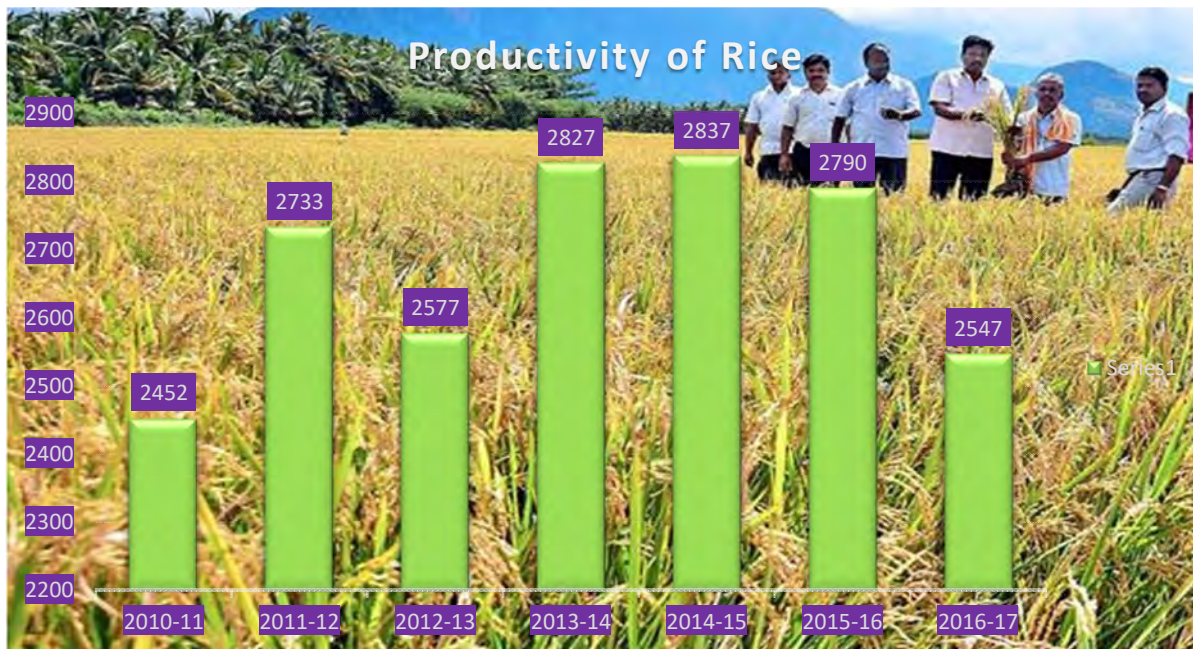
10	Malappuram	8949	21069	7528	18577	6674	15377	7549	19709	8402	22279	8687	23649	7140	17211
11	Kozhikode	3003	3814	2920	4274	3511	5326	2433	3850	2321	3423	2872	3608	1987	2935
12	Wayanad	11054	27911	8995	23526	10230	28052	11481	30755	9690	26168	9204	23704	7822	20647
13	Kannur	6339	13308	5740	12170	6684	14237	5080	11293	4955	11164	5478	11518	4671	10623
14	Kasaragode	4155	9834	3857	8555	3514	8116	4205	9439	2665	6095	3843	8560	2737	6217
	Kerala	213187	522738	208160	568993	197277	508299	199611	564325	198159	562092	196870	549275	171398	436483

*Source: - Agriculture Statistics, GOK Area in Ha , Production in Tonnes*

**4.14 District wise Productivity of Rice(Kg/Hectre)**

Sl no	District	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1	Thiruvananthapuram	2372	2563	2256	2662	2657	2573	2205
2	Kollam	2141	2274	2111	2373	2374	2155	1840
3	Pathanamthitta	2220	3208	2650	3062	2922	3313	3347
4	Alappuzha	2464	3089	2890	2857	2996	2816	3157
5	Kottayam	2773	2970	2904	3222	2856	3042	2790
6	Idukki	2608	2480	2707	2717	2587	2478	2347
7	Ernakulam	1977	2144	2166	2235	2148	2126	2261
8	Thrissur	2620	2943	2925	2992	3148	3203	2724
9	Palakkad	2493	2672	2389	2872	2851	2816	2202
10	Malappuram	2354	2468	2304	2611	2652	2722	2411
11	Kozhikkode	1270	1464	1517	1582	1475	1256	1477
12	Wayanad	2525	2615	2742	2679	2701	2575	2640
13	Kannur	2099	2120	2130	2223	2253	2103	2274
14	Kasaragod	2367	2218	2310	2245	2287	2227	2271
	Kerala	2452	2733	2577	2827	2837	2790	2547

Source: - Agriculture Statistics, GOK



### 4.15 District wise area and production of Coconut, Tapioca , Banana and Plantain

District	2012-13								2013-14							
	Coconut		Tapioca		Banana		Plantain		Coconut		Tapioca		Banana		Plantain	
	Area (Ha)	Prodn (Million nuts)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (Million nuts)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (in tonnes)	Area	Prodn (in tonnes)
Tvpm	70233	552	13625	414271	3567	24290	5600	41074	71320	551	14210	467512	2343	18753	6160	53891
KLM	55120	372	16397	531482	2295	16022	4094	31989	61309	473	16507	568257	2763	19151	4393	34339
PTA	15433	110	5420	214843	2020	15210	1649	17431	15606	98	5082	214215	2096	15265	1816	17257
ALP	36986	233	2545	72919	631	5002	1784	10799	36880	217	2511	68212	472	4481	2006	11841
KTYM	27500	131	5284	187089	2518	21084	2489	18841	27019	126	5341	210271	2498	22609	2517	16570
IDK	17265	94	6239	303380	3080	28844	3647	34178	16518	90	6332	313513	3211	29664	3607	33233
ERN	43751	209	5443	211550	5586	50746	3930	34648	44582	227	4975	205464	5638	54056	4180	33382
TSR	86476	548	1262	58693	2141	20636	5060	27442	87177	618	1290	53818	2388	21569	5591	29959
PKD	62513	461	2378	69377	15243	140094	8251	73136	61016	397	2170	62837	17427	147292	11531	70013



LP	102417	1125	5010	185481	7529	62501	3071	19598	105481	935	4317	149997	7740	67216	3392	18339
KZD	124819	882	1824	43208	1700	13616	3045	13511	123115	948	1647	39934	1633	11642	3055	13010
WYD	9995	46	2134	95950	12086	94955	1201	7211	11725	65	1323	55172	11579	98518	1257	10323
KNR	86818	567	1751	64224	2086	17936	3073	11883	85063	574	1553	60042	1986	17663	2990	11415
KSG	58836	469	274	6048	529	4671	1965	9574	61836	602	331	9826	487	3420	2017	8823
Kerala	798162	5799	69586	2458515	61011	515607	48859	351315	808647	5921	67589	2479070	62261	531299	54512	362395

## 4.15 District wise area and production of Coconut, Tapioca , Banana and Plantain

District	2014-15								2015-16							
	Coconut		Tapioca		Banana		Plantain		Coconut		Tapioca		Banana		Plantain	
	Area (Ha)	Prodn (Million)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (in tonnes)	Area (Ha)	Prodn (Million)	Area (Ha)	Prodn (in tonnes)	Area	Prodn (in tonnes)	Area	Prodn (in tonnes)
Tvpm	73079	665	15754	586394	2329	15999	6478	67266	72340	633	14585	536295	2676	18338	7120	64661
KLM	52360	387	17028	661600	2443	17032	4664	45467	51834	358	15147	530802	2884	20399	5231	40324
PTA	15803	92	5356	233420	2182	17091	1915	19871	15884	91	5220	209948	2059	16375	1988	21582
ALP	35161	218	2670	87834	450	3733	2076	16086	33227	187	2715	87777	476	4135	2121	14927
KTYM	26529	140	5588	217348	2734	23152	2626	23823	26849	133	5631	220466	2948	23625	2894	20987
IDK	16655	75	7541	340911	3469	31893	3795	39546	16546	63	6919	319317	3486	30115	3903	39164
ERN	43680	212	5386	229341	4904	44953	4540	37303	41915	188	5152	239195	4993	46730	4650	35881
TSR	83221	485	1441	64739	2297	18980	5299	45477	81602	489	1290	54613	2165	19803	5259	33229
PKD	60687	442	2631	78634	18628	175132	11636	95729	59976	451	1958	62312	15736	152109	9629	58353
MLP	103691	933	5405	191322	6986	58163	3988	28463	103391	1046	5117	198203	7762	64990	4294	27379

KZD	123066	1001	1826	53782	1832	14536	3288	14886	120683	975	1583	39368	1938	17723	3587	18626
WYD	10326	59	2327	99788	10719	100284	1326	10501	12403	77	1888	77868	9739	92295	1413	10764
KNR	85807	533	2127	85880	2298	19593	2916	12627	89238	563	1696	66455	2328	22503	3334	14325
KSG	63791	705	413	12926	665	4890	2214	11275	64335	619	504	19991	645	7015	2260	11424
Kerala	793856	5947	75493	3043701	61936	545431	56761	468320	790223	5873	69405	2662610	59835	536155	57683	411626

*Source: - Agriculture Statistics, GOK*

**4.15 District wise area and production of Coconut, Tapioca , Banana and Plantain****2016-17**

	District	Coconut		Tapioca		Banana		Plantain	
		Area (Ha)	Production (Million nuts)	Area	Production (Tonnes)	Area	Production (Tonnes)	Area	Production (tonnes)
<b>1</b>	Thiruvananthapuram	70467	573	14628	520143	2776	19826	6748	60035
<b>2</b>	Kollam	50938	354	14421	440856	2747	19511	5376	42801
<b>3</b>	Pathanamthitta	15877	89	5025	227557	2076	16528	2073	21036
<b>4</b>	Alappuzha	33670	177	2559	101377	519	3743	2158	14126
<b>5</b>	Kottayam	25610	127	5956	238833	2750	21749	2820	21968
<b>6</b>	Idukki	16122	63	6998	297870	3495	29359	4040	38110

*Source: - Agriculture Statistics, GOK*

<b>7</b>	Ernakulam	43079	186	5415	229893	5158	47781	4481	35158
<b>8</b>	Thrissur	80504	500	1172	47502	2213	19069	5407	28579
<b>9</b>	Palakkad	59547	397	1900	55271	15199	139231	9285	55411
<b>10</b>	Malappuram	102836	878	5283	185880	7120	58564	4549	28463
<b>11</b>	Kozhikode	119064	837	1477	42128	1864	17264	3609	17885
<b>12</b>	Wayanad	10322	73	1726	61696	8555	71357	1214	7608
<b>13</b>	Kannur	88217	527	1661	67051	2022	18342	3150	13669
<b>14</b>	Kasaragode	65243	603	443	13672	664	6998	2230	10957
	Kerala	781496	5384	68664	2529729	57158	489322	57140	395806

**4.16 District wise details of Food crops and Non-food crops(in Ha)**

Sl no	District	Total Geographical area(Ha)	2010-11		2011-12		2012-13		2013-14	
			Food Crops	Non Food Crops	Food Crops	Non Food Crops	Food Crops	Non Food Crops	Food Crops	Non Food Crops
1	Thiruvananthapuram	218781	47985	106125	46841	108224	47866	106456	49644	109573
2	Kollam	248788	59916	99790	58121	99222	57378	98386	54895	104689
3	Pathanamthitta	265277	29116	74325	28107	74278	26187	73532	26634	74692
4	Alappuzha	141011	59324	49165	58337	49052	57111	47176	59012	47607
5	Kottayam	220442	49905	156884	53720	155732	48784	153268	46395	153140
6	Idukki	436328	171161	137107	131444	145049	131417	136725	129974	133197
7	Ernakulam	305826	61654	109920	58900	113549	52706	111061	52363	112794
8	Thrissur	302919	63249	97967	69178	112109	68044	109136	67773	109845
9	Palakkad	447584	173722	129739	170649	131699	160621	130573	169840	131872

<b>10</b>	Malappuram	355446	78805	158669	76393	164484	74211	156077	75277	161821
<b>11</b>	Kozhikode	234641	52972	148889	52255	154716	51627	151648	49606	150510
<b>12</b>	Wayanad	212966	74421	100879	70525	101830	70542	100071	72337	101853
<b>13</b>	Kannur	297112	74076	136775	75828	150742	76175	146688	71357	148099
<b>14</b>	Kasaragode	199166	45234	99687	45371	105402	44285	103983	44996	106875
	Kerala	3886287	1041540	1605921	995669	1666088	966954	1624780	970103	1646567

*Source: - Agriculture Statistics, GOK*

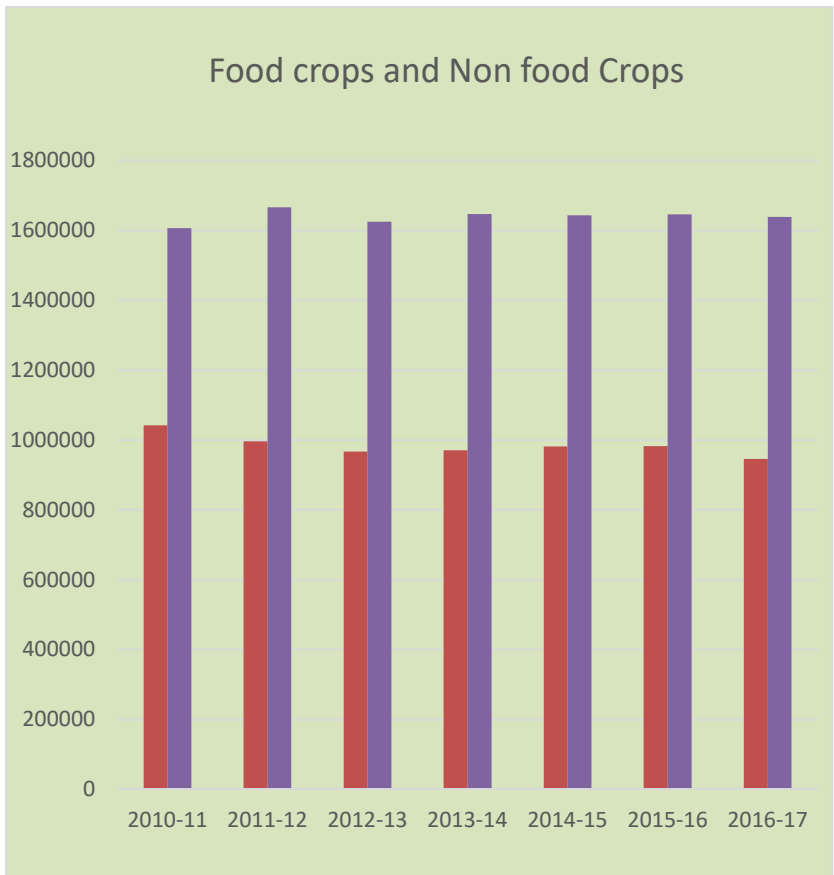
**4.16 District wise details of Food crops and Non-food crops (in Ha)**

Sl no	District	Total Geographical area(Ha)	2014-15		2015-16		2016-17	
			Food Crops	Non Food Crops	Food Crops	Non Food Crops	Food Crops	Non Food Crops
1	Thiruvananthapuram	218781	51529	111219	51677	111171	49801	109178
2	Kollam	248788	55521	95725	54158	95159	53252	94690
3	Pathanamthitta	265277	27660	75684	27768	75803	27991	75981
4	Alappuzha	141011	56417	46718	55303	46195	56201	46420
5	Kottayam	220442	49442	152981	49935	153815	50642	153695
6	Idukki	436328	134474	137568	133402	137085	134413	135943
7	Ernakulam	305826	53436	113025	54041	111495	52964	113122
8	Thrissur	302919	68852	105945	69745	104530	67013	103965



9	Palakkad	447584	167947	132675	162440	131000	144746	133709
10	Malappuram	355446	79521	161209	79832	161753	76828	161032
11	Kozhikode	234641	51075	150919	52252	148590	51304	147085
12	Wayanad	212966	70767	100573	74202	105286	65696	101179
13	Kannur	297112	71154	149956	71705	153737	69859	151508
14	Kasaragode	199166	43925	108707	45842	109656	44897	110892
	Kerala	3886287	981720	1642904	982302	1645275	945608	1638400

*Source: - Agriculture Statistics, GOK*





## **V-Animal Husbandry**

Animal husbandry place an important role in strengthening the economy of the state. It provides self-employment opportunity to un employed in rural areas. The progress in livestock will directly reflect a more balanced development in rural economy up-liftment of weaker section of the society. According to 2012 Live Stock Census, the Cattle population in the state was 13.28 lakhs out of which 12.511 lakhs where cross bred. Similarly, population of buffaloes and goats where 1.02 lakhs and 12.46 lakhs respectively. The poultry population in the state was 2,42.87 lakhs (including farm bred). This chapter includes district wise livestock population, number of veterinary institution and production of milk and egg production and average yield and per capita availability.

### 5.1 Live Stock population in Kerala

Category	Population(in 000)	
	2007	2012
<b>Cattle</b>	1740.12	1328.63
<b>Buffaloes</b>	58.15	102.27
<b>Sheep</b>	0.97	1.45
<b>Goat</b>	1729.13	1246.08
<b>Pigs</b>	59.02	55.78
<b>Dogs</b>	858.62	923.36
<b>Rabbits</b>	151.55	230.55
<b>Elephant</b>	0.46	0.72
<b>Poultry</b>	15686	24281.93

### 5.2 District wise number of Veterinary Institutions

District	DVC	VH	VD	VPC	RAIC	MVD	MVH
<b>Thiruvananthapuram</b>	1	23	72	2	5		1
<b>Kollam</b>	1	22	55	4	4		1
<b>Pathanamthitta</b>	1	14	43	3	3		
<b>Alappuzha</b>	1	18	55	6	2		1
<b>Kottayam</b>	1	20	59	4	2		1
<b>Idukki</b>	1	9	49	2	4	1	
<b>Ernakulam</b>	1	23	75	5	1		1
<b>Trissur</b>	1	22	89	6	4		
<b>Palakkad</b>	1	15	79	4	3	1	
<b>Malappuram</b>	1	12	93	4	2		
<b>Kozhikode</b>	1	13	72	2	1	1	
<b>Wayanad</b>	1	6	20	2	1		
<b>Kannur</b>	1	11	72	6	4	1	
<b>Kasargod</b>	1	6	35	0	2		

*Source: -Animal Husbandry Department ,GOK*

**5.3 Live stock Population, Average yield and Production estimates in Kerala (in 000's)**

<b>Sl no</b>	<b>Item</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>1</b>	Animals in Milk- Exotic/Cross bred cows	793.65	795.77	805.04	668.56	630.45
<b>2</b>	Animals in Milk-Non discript/ Indegenious cows	11.5	9.67	7.34	23.87	21.26
<b>3</b>	No. of animals in Buffalos	40.66	48.62	50.5	7.05	6.55
<b>4</b>	Goats	456	456.5	462.81	508.35	503.65
	<b>Total</b>	1301.81	14310.56	1325.69	1207.83	1161.91

**5.4 Average yield per in Milk animal**

<b>Sl no</b>	<b>Item</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>1</b>	Animals in Milk- Exotic /Cross bred cows	9.11	8.55	8.62	10.18	10.25
<b>2</b>	Animals in Milk-Non discript/Indegenious cows	2.03	0.59	0.94	2.76	3.02
<b>3</b>	No. of animals in Buffalos	2.54	3.28	3.39	5.04	5.11
<b>4</b>	Goats	0.63	0.67	0.68	0.70	0.69

**5.5 Estimated milk production( in tonnes)**

<b>Sl no</b>	<b>Item</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
<b>1</b>	Animals in Milk- Exotic/ Cross bred cows	2639.01	2482.31	2531.44	2483.86	2358
<b>2</b>	Animals in Milk-Non discript/Indegenious cows	8.52	2.08	2.52	24.08	23.46
<b>3</b>	No. of animals in Buffalos	37.3	58.28	62.41	12.96	12.21
<b>4</b>	Goats	105.36	112.03	114.77	128.92	126.67
	<b>Total</b>	2790.19	2654.7	2711.14	2649.82	2520.7



**5.6 Per capita availability of Milk(in gram/day)**

	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Kerala</b>	216	203	206	200	189
India	299	307	322	337	352

**5.7 Egg production**

	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Kerala</b>	22375.28	24768.77	25036.11	24424.82	23443.83

**5.8 Meat production (in 000tonnes)**

	2012-13	2013-14	2014-15	2015-16	2016-17
<b>Kerala</b>	400.99	416.06	445.83	466.04	468.84

*Source: -Animal Husbandry Department ,GOK*



## VI-Education

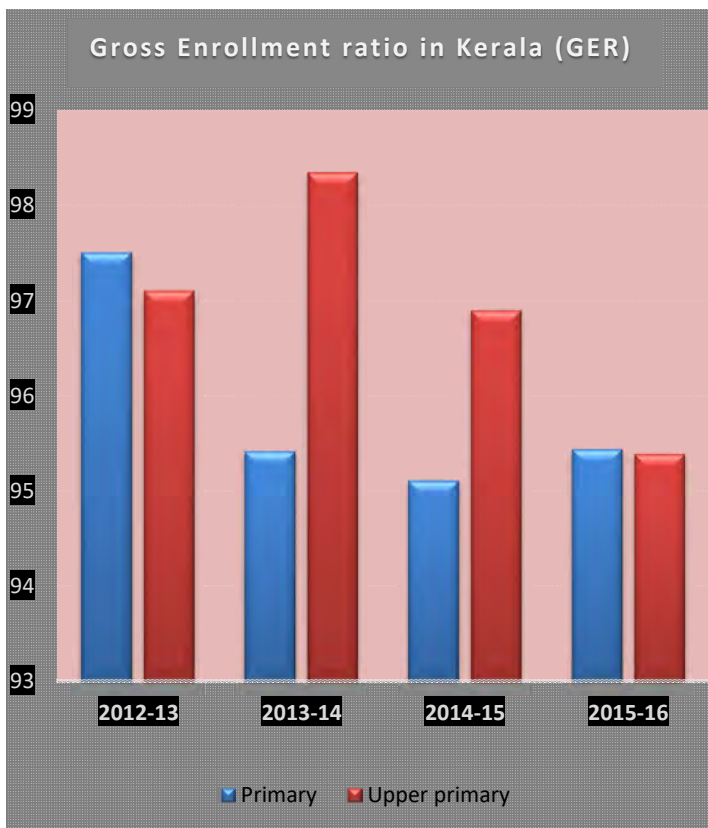
The Kerala model of development owes its attributed success to the achievements in the area of education and health. Most of the changes and development in the field of education has occurred since independence. The State had pursued a liberal higher education policy from 1956 through mid-eighties in terms of quantitative expansion and access to higher education. Today, it boasts other States in terms of high literacy rate of 94% as against 72.99% in the national level. As per 2011 census, Kerala ranks first in the State with a literacy rate of 94 %. The literacy rate increased from 74.04% in 2001 to 94% in 2011. Kerala has become the first Indian state to achieve 100% primary education. The literacy level is highly co-related with the health status of the population. Schools and Colleges in Kerala are basically in either by the government, private aided or private unaided sector. This section goes through about the educational development and status such as District wise number of educational institutions, district wise and gender wise details of children and number of teachers involved, Gross enrolment ratio and Net enrolment ratio, District wise details of student teacher ratio and student class room ratio etc.

**6.1 District wise details of Gross enrolment ratio in Kerala (GER)**

Sl. No	Districts	2012-13		2013-14		2014-15		2015-16	
		Primary	UP	Primary	UP	Primary	UP	Primary	UP
1	Thiruvananthapuram	98.5	96.1	99.4	96.9	98.49	98.73	99	100.23
2	Kollam	94.5	94.6	93.4	94.5	96.05	97.29	98.55	99.08
3	Pathanamthitta	99.2	98.1	96.4	95	98.79	96.07	100.25	96.82
4	Alappuzha	94.2	95.9	92.6	93.2	92.61	94.73	94.5	97.34
5	Kottayam	97.1	95.6	97.7	96.5	97.23	97.24	98.77	97.92
6	Idukki	91.8	90.7	90.7	87.8	92.55	88.19	95.87	90.69
7	Ernakulam	98.9	99.1	98.6	97.2	100.21	98.48	101.1	99.85
8	Thrissur	94.9	97.9	96.8	97.7	97.05	98.21	98.26	100.73
9	Palakkad	94.6	97.2	97.5	99.5	97.07	101.65	98.05	101.15

<b>10</b>	Malappuram	101.7	100.6	101.6	101.5	100.23	102.11	99.7	104.13
<b>11</b>	Kozhikkode	95.9	97.1	97.7	96.9	97.31	97.35	98.42	100.17
<b>12</b>	Wayanad	103.7	98.1	100.8	97.4	100.52	98.4	101.79	102.2
<b>13</b>	Kannur	100.5	99.7	100.7	97.8	100.24	100.15	101.26	104.04
<b>14</b>	Kasaragod	94.5	88.6	97.4	93.3	98.4	98.38	102.01	102.19
	Total	97.5	97.1	95.42	98.34	95.11	96.89	95.44	95.39

Source: Elementary education in India



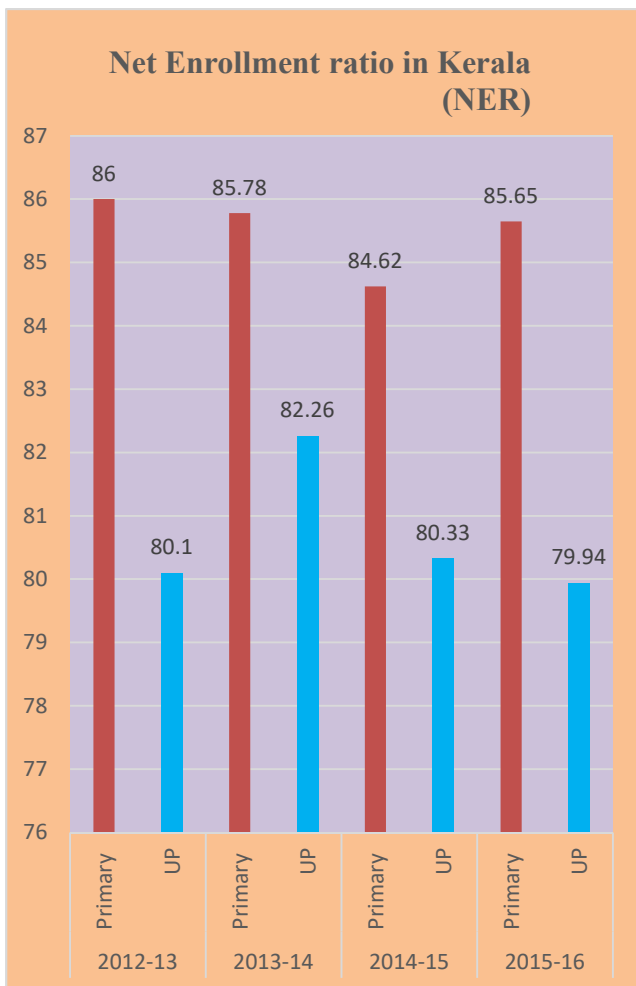
**6.2. District wise details of Net Enrollment ratio in Kerala (NER)**

Sl no	District	2012-13		2013-14		2014-15		2015-16	
		Primary	UP	Primary	UP	Primary	UP	Primary	UP
1	Thiruvananthapuram	85.6	78.9	89	82.7	87.25	81.24	89.25	87.27
2	Kollam	81	77.2	84.7	80.7	85.42	79.75	92.12	85.75
3	Pathanamthitta	87.9	82	87.7	81.2	89.57	81.73	90.02	82.17
4	Alappuzha	83.2	79.1	84.7	78.5	83.91	78.02	85.73	81.33
5	Kottayam	86.1	79.3	89.4	83.1	87.83	82.1	88.97	82.83
6	Idukki	80.6	74.5	81.1	74.2	80.79	72.75	84.02	76.58
7	Ernakulam	89.7	84.5	90.5	83.9	91.62	84.25	91.69	86.35
8	Thrissur	85.2	81.8	87.9	82.1	87.1	82.42	89.81	86.52



<b>9</b>	<b>Palakkad</b>	<b>83.1</b>	<b>75.8</b>	<b>85.1</b>	<b>81</b>	<b>84.73</b>	<b>82.86</b>	<b>85.68</b>	<b>81.39</b>
<b>10</b>	Malappuram	89	82.9	90.4	82.9	88.62	84.54	88.95	86.91
<b>11</b>	Kozhikkode	85.6	80.8	87.9	81.1	85.81	79.95	87.57	80.58
<b>12</b>	Wayanad	91.3	82.7	89.6	78.4	88.72	79.71	89.33	80.77
<b>13</b>	Kannur	88.6	82.4	90.4	80.3	89.39	83.93	90.43	86.67
<b>14</b>	Kasaragod	82.4	71.6	86.4	76.4	85.4	79.26	89.44	82.11
	Kerala	86	80.1	85.78	82.26	84.62	80.33	85.65	79.94

**Source: Elementary education in India**



**6.3 District wise Percentage of girls student in Primary section**

Sl no	District	2012-13	2013-14	2014-15	2015-16
1	Thiruvananthapuram	49.7	49.5	49.7	49.8
2	Kollam	50.2	50.3	50.1	50.1
3	Pathanamthitta	49.3	49.7	50.2	50.3
4	Alappuzha	51.3	51.6	51.8	51.7
5	Kottayam	49.9	50	49.7	49.7
6	Idukki	49	49.2	48.8	48.7
7	Ernakulam	50.8	50.4	50.8	51
8	Thrissur	51.6	51.5	51.7	51.6
9	Palakkad	50.2	50.1	49.9	50.1
10	Malappuram	49.6	49.6	49.8	49.9
11	Kozhikkode	49.8	49.9	50	50
12	Wayanad	48.7	48.2	48.7	48.9
13	Kannur	50.1	50.1	49.9	49.8
14	Kasaragod	49.4	49.1	48.9	48.6
	Kerala	50.1	50.0	50.1	50.1

**Source: Elementary education in India**

**6.4 District wise Percentage of girls students in Upper primary section**

Sl no	District	2012-13	2013-14	2014-15	2015-16
1	Thiruvananthapuram	46.2	45.7	45.4	46.1
2	Kollam	48.7	48.3	48.4	48.4
3	Pathanamthitta	50.4	47.2	47.9	48.5
4	Alappuzha	46.4	45.9	45.2	45.9
5	Kottayam	42.8	42.1	41.7	43.1
6	Idukki	47.3	47	47.4	47
7	Ernakulam	43.9	45.6	46.1	45.9
8	Thrissur	42.5	41	42.3	42
9	Palakkad	50	47.8	47	47.8
10	Malappuram	49.1	49.4	49.5	49.4
11	Kozhikkode	47.2	46.6	46.8	47.3
12	Wayanad	48.5	48.6	47.4	47.5
13	Kannur	48.6	48	47.8	47
14	Kasaragod	48.7	49	49.7	50
	Total	47.7	47.3	47.4	47.6

**Source: Elementary education in India**

<b>6.5 Percentage of girl's enrolment in Primary + Upper primary section</b>					
<b>Sl no</b>	<b>District</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
<b>1</b>	Thiruvananthapuram	47	46.5	46.4	47
<b>2</b>	Kollam	48.9	48.4	48.1	48.5
<b>3</b>	Pathanamthitta	48.2	48.5	48.4	47.9
<b>4</b>	Alappuzha	48	47.8	48.1	47.2
<b>5</b>	Kottayam	47.1	46.9	47.2	47.3
<b>6</b>	Idukki	47.7	48.1	47.9	48.2
<b>7</b>	Ernakulam	46.5	46.7	46.6	46.4
<b>8</b>	Thrissur	47.6	47.4	47.5	47.4
<b>9</b>	Palakkad	48.9	48.8	48.9	48.8
<b>10</b>	Malappuram	48.8	48.6	48.6	48.8
<b>11</b>	Kozhikkode	47.7	47.8	48.1	48
<b>12</b>	Wayanad	49	49.2	49.3	49.2
<b>13</b>	Kannur	48.8	49.1	49.1	48.9
<b>14</b>	Kasaragod	48.7	48.5	49.1	49.2
	Total	48.2	48.1	48.0	47.8
<b>Source: Elementary education in India</b>					

### 6.6 District wise Percentage of girls Students in Primary + Upper primary + High school section

Sl. No	District	2012-13	2013-14	2014-15	2015-16
1	Thiruvananthapuram	48.1	48.4	48.6	48.7
2	Kollam	45.4	45.9	48.1	47.9
3	Pathanamthitta	47.8	48.1	48	47.7
4	Alappuzha	45.3	45	45.1	45.8
5	Kottayam	48	49.3	49.2	48.7
6	Idukki	48.7	49	48.5	49.1
7	Ernakulam	48.6	48.6	47.6	47.8
8	Thrissur	47.8	44.3	45.2	45.5
9	Palakkad	44.6	46.5	46.7	47.3
10	Malappuram	47.7	48.7	48.1	48.8
11	Kozhikkode	49	48.8	48.7	49.1
12	Wayanad	47.8	48	48.2	48.5
13	Kannur	48.4	48.4	48.4	48.7
14	Kasaragod	49	48.8	48.8	48.7
	Kerala	47.5	47.6	47.7	47.9

**Source- Elementary Education in Kerala**

<b>6.7 District wise Percentage of girls students in Upper primary + High school section</b>					
<b>Sl no</b>	<b>District</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
<b>1</b>	Thiruvananthapuram	48.6	50.7	50.7	50.7
<b>2</b>	Kollam	47.5	46.4	45.7	45.4
<b>3</b>	Pathanamthitta	47.4	48.9	48	48.4
<b>4</b>	Alappuzha	52.6	47	46.5	46.4
<b>5</b>	Kottayam	48.5	46.3	47.3	45.8
<b>6</b>	Idukki	45.7	46	46.6	47.5
<b>7</b>	Ernakulam	50.9	50	49.9	50.8
<b>8</b>	Thrissur	50.8	48.4	47.8	48.1
<b>9</b>	Palakkad	49.5	50.1	50.6	50.9

10	Malappuram	47.7	48	48	48.4
11	Kozhikkode	54.2	51.4	53.3	53.3
12	Wayanad	46.5	47.5	46.4	46.9
13	Kannur	47.3	47.4	48	47.7
14	Kasaragod	47.5	46.5	46.6	47.2
	Kerala	49.5	48.7	48.8	48.9

*Source- Elementary Education in Kerala*



**6.8 District wise details of Pupil teachers ratio and Student- classroom ratio ( PTR and SCR) in Primary Section**

Sl no	District	2012-13		2013-14		2014-15		2015-16	
		Pupil teacher ratio	Student class room ratio	Pupil teacher ratio( PTR)	Student class room ratio( SCR)	Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio
1	Thiruvananthapuram	16	15	16	15	16	15	17	15
2	Kollam	16	17	17	15	17	15	17	14
3	Pathanamthitta	11	10	10	10	11	10	11	10
4	Alappuzha	17	16	16	15	16	14	16	14
5	Kottayam	15	14	15	14	14	13	15	13
6	Idukki	15	14	14	14	15	13	15	14
7	Ernakulam	18	16	18	15	17	15	18	14

<b>8</b>	Thrissur	19	19	19	17	19	17	20	17
<b>9</b>	Palakkad	18	18	17	17	17	16	17	16
<b>10</b>	Malappuram	22	23	21	22	21	22	21	22
<b>11</b>	Kozhikkode	16	18	16	17	15	16	15	16
<b>12</b>	Wayanad	20	20	19	20	19	20	19	19
<b>13</b>	Kannur	13	14	13	14	13	14	13	13
<b>14</b>	Kasaragod	16	16	16	16	15	16	15	15
	Kerala	17	17	17	16	17	16	17	16

*Source- Elementary Education in Kerala*

**6.9 District wise details of Pupil teachers ratio and Student- classroom ratio ( TR and SCR) in Primary Section and Upper primary section**

Sl no	District	2010-11		2011-12		2012-13	
		Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio
1	Thiruvananthapuram	21	25	17	21	17	20
2	Kollam	23	28	20	24	18	22
3	Pathanamthitta	16	20	14	16	13	16
4	Alappuzha	24	27	20	22	18	21
5	Kottayam	17	20	16	20	15	17
6	Idukki	21	24	19	23	18	20
7	Ernakulam	18	22	21	25	18	19
8	Thrissur	21	26	19	24	18	21
9	Palakkad	26	29	25	27	22	25
10	Malappuram	28	35	27	32	26	31
11	Kozhikkode	22	30	21	32	21	26
12	Wayanad	29	34	27	30	26	29
13	Kannur	20	25	20	25	18	23
14	Kasaragod	19	23	21	24	22	24

Source: Elementary education in India

### 6.9 District wise details of Pupil teachers ratio and Student- classroom ratio ( PTR and SCR) in Primary Section and Upper primary section

Sl no	District	2013-14		2014-15		2015-16	
		Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio
1	Thiruvananthapuram	18	19	17	18	16	17
2	Kollam	19	21	19	19	19	19
3	Pathanamthitta	13	15	14	15	13	14
4	Alappuzha	17	19	16	18	16	17
5	Kottayam	15	17	15	16	15	15
6	Idukki	16	18	17	18	17	17
7	Ernakulam	17	18	16	17	17	17
8	Thrissur	19	20	18	19	18	19
9	Palakkad	22	24	22	23	22	23
10	Malappuram	26	30	25	29	25	29
11	Kozhikkode	20	25	20	17	20	23
12	Wayanad	24	28	23	27	24	26
13	Kannur	18	22	18	21	18	20
14	Kasaragod	20	23	20	23	19	22

**Source- Elementary Education in Kerala**

**6.10 District wise details of Pupil teachers ratio and Student- classroom ratio ( PTR and SCR) in Upper primary section + Secondary/ High school**

Sl no	District	2010-11		2011-12		2012-13	
		Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio
1	Thiruvananthapuram	16	21	18	23	11	28
2	Kollam	18	24	16	23	11	29
3	Pathanamthitta	15	20	14	19	9	22
4	Alappuzha	18	22	23	23	15	27
5	Kottayam	18	21	16	22	11	24
6	Idukki	14	22	14	21	9	27
7	Ernakulam	16	25	23	24	11	31
8	Thrissur	17	26	16	28	12	31
9	Palakkad	29	25	27	23	14	32
10	Malappuram	24	24	27	23	17	35
11	Kozhikkode	20	23	19	23	14	33
12	Wayanad	29	23	26	30	13	37
13	Kannur	19	19	19	22	11	33
14	Kasaragod	16	16	20	20	17	22
	Kerala	19	23	20	23	14	28

**Source- Elementary Education in Kerala**

**6.10 District wise details of Pupil teachers ratio and Student- classroom ratio ( PTR and SCR) in Upper primary section + Secondary/ High school**

Sl no	District	2013-14		2014-15		2015-16	
		Pupil teacher Ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio	Pupil teacher ratio	Student class room ratio
1	Thiruvananthapuram	9	32	10	34	10	32
2	Kollam	9	33	10	33	10	33
3	Pathanamthitta	7	25	8	24	8	24
4	Alappuzha	8	28	9	27	9	27
5	Kottayam	8	27	8	29	8	28
6	Idukki	7	29	9	29	9	29
7	Ernakulam	8	31	9	30	7	29
8	Thrissur	9	35	10	34	9	33
9	Palakkad	11	34	11	32	11	30
10	Malappuram	11	42	13	39	13	38
11	Kozhikkode	9	38	10	36	10	35
12	Wayanad	8	39	11	40	11	40
13	Kannur	7	35	10	34	9	35
14	Kasaragod	8	28	11	27	10	29
	Kerala	10	28	10	33	10	32

**Source- Elementary Education in Kerala**

**6.11 District wise/Management wise no. of Schools in Kerala**

<b>Districts</b>	2012-13				2013-14				2014-15			
	Govt	Aided	Unaided	Total	Govt	Aided	Unaided	Total	Govt	Aided	Unaided	Total
Thiruvananthapuram	532	360	97	989	529	360	97	986	529	360	97	986
Kollam	427	439	61	927	427	437	59	923	427	437	59	923
Pathanamthitta	260	429	45	734	260	427	43	730	260	426	43	729
Alappuzha	331	392	40	763	329	395	38	762	329	395	34	758
Kottayam	300	554	53	907	300	552	52	904	300	552	52	904
Idukki	199	253	24	476	199	255	22	476	199	255	22	476
Ernakulam	367	537	101	1005	367	534	95	996	367	533	95	995
Thrissur	257	683	69	1009	257	683	64	1004	257	683	64	1004
Palakkad	326	579	67	972	329	579	68	976	329	579	68	976

Malappuram	546	781	145	1472	546	781	167	1494	546	781	162	1489
Kozhikkode	328	863	46	1237	328	861	48	1237	328	861	48	1237
Wayanad	171	108	12	291	172	109	12	293	172	109	12	293
Kannur	280	959	52	1291	280	959	50	1289	280	959	50	1289
Kasaragod	295	215	44	554	296	215	45	556	296	215	45	556
Kerala	4619	7152	856	12627	4619	7147	860	12626	4619	7145	851	12615

*Source:- DPI,GOK*



**6.11 District wise/Management wise no. of Schools in Kerala**

Districts	2015-16				2016-17			
	Govt	Aided	Unaided	Total	Govt	Aided	Unaided	Total
Thiruvananthapuram	528	360	106	994	538	364	98	1000
Kollam	427	437	89	953	430	439	85	954
Pathanamthitta	261	425	46	732	263	429	48	740
Alappuzha	330	395	38	763	334	394	43	771
Kottayam	300	551	57	908	309	560	54	923
Idukki	199	255	35	489	205	256	35	496
Ernakulam	367	530	102	999	374	541	99	1014

Thrissur	257	683	85	1025	263	686	81	1030
Palakkad	329	579	97	1005	333	585	88	1006
Malappuram	546	781	221	1548	553	807	198	1558
Kozhikkode	328	861	80	1269	334	867	82	1283
Wayanad	172	109	22	303	174	112	21	307
Kannur	279	959	67	1305	284	963	61	1308
Kasaragod	296	215	78	589	301	217	73	591
Kerala	4619	7140	1123	12882	4695	7220	1066	12981

***Source:- DPI,GOK***

## 6.12 District wise/ Management wise enrolment in Kerala: 2011-12

Sl no	District	2011-12								
		Government			Aided			Unaided		
		LP	UP	High school	LP	UP	High school	LP	UP	High school
1	TVPM	35015	31986	93612	30314	30299	100249	7707	7326	31990
2	KLM	29189	20691	58400	31677	37836	102005	6599	5012	13396
3	PTA	8535	3751	11161	10847	11132	54781	2836	2542	5237
4	ALP	13844	13865	28514	24395	22450	105316	3989	4163	3383
5	KTM	8556	6753	14106	29866	25846	103406	4008	2570	10223
6	IDK	5844	7686	21469	16071	18418	44140	904	1023	6980
7	EKM	11136	11061	29243	40074	31457	151455	5951	5890	32931
8	TSR	11177	9798	49616	61089	63460	146568	5068	3438	26767
9	PKD	21538	29998	74394	55242	80455	102760	2463	7012	26278

10	MLP	61220	68973	114871	107168	160223	166458	5274	9670	63963
11	KZD	17239	30234	73966	63413	103547	114265	2107	3389	14791
12	WYD	10265	14014	35128	9319	27035	20550	240	751	3048
13	KNR	7346	15895	57655	50697	86122	83210	2289	5481	9529
14	KSD	11666	21899	62701	15009	27822	168005	3278	2699	10629
	Kerala	252570	286604	724836	545181	726102	1327168	52713	60966	259145

*Source:-DPI,GOK*

**6.13 District wise/ Management wise enrolment in Kerala: 2012-13**

Sl no	District	Govt			Aided			Unaided		
		LP	UP	High school	LP	UP	High school	LP	UP	High school
1	TVPM	28192	27822	86946	22213	23333	93352	7822	7214	35424
2	KLM	24205	17612	55780	24089	30001	94550	6716	5119	13089
3	PTA	7470	3304	10168	8901	9339	49771	2561	2208	4570
4	ALP	13136	12493	28665	20124	19776	99375	5204	2846	3519
5	KTM	5978	4865	13074	24157	20161	99039	3479	1670	9692
6	IDK	5064	7159	20274	13992	16705	42213	846	721	7026
7	EKM	10315	9977	26977	35592	27661	144592	5449	5482	32479
8	TSR	10109	8415	46915	52017	54089	139986	4901	3391	26945
9	PKD	19134	29750	73390	47529	73310	99382	2807	7068	26536

<b>10</b>	MLP	57289	68044	115116	96939	152685	168277	5857	9424	63549
<b>11</b>	KZD	16200	29586	73164	57737	95927	113537	2008	3499	14720
<b>12</b>	WYD	9489	13494	37203	8624	25897	20370	308	1089	3624
<b>13</b>	KNR	6759	14973	56294	44442	78584	81899	1980	5274	9351
<b>14</b>	KSD	10839	15779	66444	13628	26160	31201	3273	2852	10927
	Kerala	224179	263273	710410	469984	653628	1277544	53211	57857	261451

***Source:-DPI,GOK***

**6.14 District wise/ Management wise enrolment in Kerala: 2013-14**

Sl no	District	Govt			Aided			Unaided		
		LP	UP	HS	LP	UP	HS	LP	UP	HS
1	Thiruvanthapuram	26842	25744	85668	20048	20448	89679	7801	6098	33543
2	Kollam	23483	16588	55670	22207	28367	90837	6453	5259	12376
3	Pathanamthitta	7120	3085	10013	8333	8242	46628	2666	2188	4461
4	Alappuzha	12699	11158	28526	18944	18186	95223	5078	2336	3125
5	Kottayam	6967	5685	12304	24951	21659	94555	3800	1631	8905
6	Idukki	5162	6635	21895	12898	15249	40898	867	820	5820
7	Ernakulam	10055	8754	25762	33431	25831	138455	4880	5477	31960
8	Thrissur	9586	7783	46121	49203	50973	134635	4711	3462	26923

<b>9</b>	Palakkad	17860	28813	72152	43644	69622	96605	2321	6738	26032
<b>10</b>	Malappuram	55292	63799	118110	92771	147039	169253	5526	8064	64235
<b>11</b>	Kozhikkode	15317	28272	74277	55599	90963	111856	1638	3576	17691
<b>12</b>	Wayanad	9259	13622	36203	7351	24401	19103	626	2138	3684
<b>13</b>	Kannur	6709	13743	55541	43321	75684	82863	1990	5219	9309
<b>14</b>	Kasaragod	10282	14540	65681	12983	25146	30384	3255	2749	11301
	Kerala	216723	248221	707923	445684	621810	1240974	51612	55755	259365

**Source:-DPI,GOK**



**6.15 District wise/ Management wise enrolment in Kerala: 2014-15**

Sl no	District	Govt			Aided			Unaided		
		LP Section	UP Section	High school Section	LP Section	UP Section	High school Section	LP Section	UP Section	High school Section
1	TVPM	46746	39567	50670	28822	44169	56524	21532	12794	11988
2	KLM	35903	26784	33787	31121	48528	62946	11957	6092	4874
3	PTA	10255	4612	5046	10500	22002	29907	5759	2464	1712
4	ALP	20133	14926	16937	27386	41349	59360	6053	1620	1489
5	KTM	10516	6249	7417	37504	43786	55590	6248	3297	4010
6	IDK	10082	9935	12865	20768	21448	25359	2770	2366	2724

7	EKM	18088	11764	14926	50522	60783	80717	17268	10923	13454
8	TSR	15790	17519	28432	75165	70916	83025	16227	9704	9515
9	PKD	23212	33439	52000	69394	63927	68876	25163	11092	9036
10	MLP	83953	69973	85915	136654	131863	136295	32190	24094	20929
11	KZD	30267	32802	55626	89274	82180	81938	7499	6485	5930
12	WYD	17868	17009	22829	17943	17595	14895	2271	1563	1272
13	KNR	16178	18613	40601	72586	63266	63633	6202	3838	3606
14	KSD	27396	27355	34718	25112	20646	21809	8084	3939	4408
	Kearla	366387	330547	461769	692751	732458	840874	169223	100271	94947

**Source:-DPI,GOK**

**6.16 District wise (Section wise) enrollment in Schools during 2015-16**

Sl. No	Districts	Govt			Aided			Unaided		
		LP Section	UP Section	High school Section	LP Section	UP Section	High school Section	LP Section	UP Section	High school Section
<b>1</b>	TVPM	48480	38458	48442	27162	41796	54216	21289	12292	12042
<b>2</b>	KLM	35923	26077	33873	28534	46159	61605	15351	6870	4955
<b>3</b>	PTA	10815	4556	5190	11846	20878	27229	5757	2552	1702
<b>4</b>	ALP	20778	14856	17106	26199	39487	56905	5800	1437	1532
<b>5</b>	KTM	10853	5941	6954	36376	42890	54587	6421	3441	3491
<b>6</b>	IDK	10118	9055	12205	21056	20765	24864	4974	2314	2389
<b>7</b>	EKM	18734	11082	14412	49805	59387	78518	18430	10455	12634
<b>8</b>	TSR	16085	16862	27439	74920	68492	79586	19561	10260	9668
<b>9</b>	PKD	34303	36019	51298	69248	57321	67099	19997	11296	8774

<b>10</b>	MLP	86193	70033	85378	135408	123978	133738	41825	26298	21950
<b>11</b>	KZD	29852	32441	53990	86916	80587	80502	11675	6347	5347
<b>12</b>	WYD	18105	15885	23267	17984	17071	14744	3775	1848	1293
<b>13</b>	KNR	16529	18722	38934	72029	62208	62621	10900	6691	4546
<b>14</b>	KSD	26675	26092	33641	25121	20194	21329	11459	5894	4626
	Kearla	383443	326079	452129	682604	701213	817543	197214	107995	94949

*Source:-DPI,GOK*

**6.17 District wise Number of Arts and Science Colleges (Government and private aided) in Kerala**

Sl no	District	2012-13			2013-14			2014-15			2015-16			2016-17		
		Government	Private	Total	Government	Private	Total	Government	Private	Total	Government	Private	Total	Government	Private	Total
1	Thiruvananthapuram	8	12	20	8	12	20	10	12	22	10	12	22	10	12	22
2	Kollam	1	12	13	1	12	13	1	12	13	1	13	14	2	13	15
3	Pathanamthitta	0	9	9	0	9	9	1	9	10	1	9	10	1	9	10
4	Alappuzha	1	12	13	1	12	13	1	12	13	1	12	13	1	12	13
5	Kottayam	1	21	22	1	21	22	1	21	22	1	21	22	1	22	23
6	Idukki	2	6	8	2	6	8	2	6	8	2	6	8	2	6	8
7	Ernakulam	4	21	25	4	21	25	4	21	25	4	21	25	4	21	25
8	Thrissur	3	17	20	4	17	21	5	17	22	5	17	22	5	17	22
9	Palakkad	5	7	12	6	7	13	6	7	13	7	7	14	7	8	15

<b>10</b>	Malappuram	3	10	13	6	11	17	7	12	19	8	12	20	8	13	21
<b>11</b>	Kozhikode	6	8	14	8	8	16	10	8	18	10	8	18	10	8	18
<b>12</b>	Wayanad	2	4	6	2	4	6	2	4	6	2	4	6	2	4	6
<b>13</b>	Kannur	2	9	11	2	9	11	4	9	13	4	9	13	4	9	13
<b>14</b>	Kasargod	3	2	5	3	2	5	4	2	6	4	2	6	4	2	6
	Kerala	41	150	191	48	151	199	58	152	210	60	153	213	61	156	217

**Source:-Directorate of Collegiate Education, GOK**

**6.18 District-wise and Management wise details of Engineering Colleges in Kerala**

Sl. No	District	2012				2013				2014			
		Govt.	Aided	Unaided	Total	Govt.	Aided	Unaided	Total	Govt.	Aided	Unaided	Total
1	TVPM	2	0	22	24	2	0	24	26	2	0	23	25
2	KLM	0	1	14	15	0	1	15	16	0	1	16	17
3	PTA	0	0	8	8	0	0	8	8	0	0	7	7
4	ALP	0	0	10	10	0	0	10	10	0	0	10	10
5	KTM	1	0	8	9	1	0	8	9	1	0	8	9
6	IDK	1	0	4	5	1	0	4	5	1	0	4	5
7	EKM	0	1	28	29	0	1	31	32	0	0	31	31
8	TSR	1	0	16	17	1	0	16	17	1	1	16	18
9	PKD	1	1	9	11	1	1	10	12	1	1	9	11
10	MLP	0	0	8	8	0	0	9	9	0	0	7	7
11	KZD	1	0	5	6	1	0	8	9	1	0	8	9
12	WYD	1	0	0	1	1	0	0	1	1	0	0	1
13	KNR	1	0	5	6	1	0	5	6	1	0	5	6
14	KSD	0	0	4	4	0	0	4	4	0	0	4	4
	Kerala	9	3	141	153	9	3	152	164	9	3	152	160

**Source:- Economic review ,State Planning board**

**6.18 District-wise and Management wise details of Engineering Colleges in Kerala**

Sl. No	District	2015				2016			
		Govt.	Aided	Unaided	Total	Govt.	Aided	Unaided	Total
1	TVPM	2	0	23	25	2	0	26	28
2	KLM	0	1	16	17	0	1	18	19
3	PTA	0	0	7	7	0	0	8	8
4	ALP	0	0	11	11	0	0	12	12
5	KTM	1	0	8	9	1	0	10	11
6	IDK	1	0	4	5	1	0	5	6
7	EKM	0	1	31	32	0	1	31	32
8	TSR	1	0	17	18	1	0	20	21
9	PKD	1	1	9	11	1	1	9	11
10	MLP	0	0	8	8	0	0	11	11
11	KZD	1	0	9	10	1	0	9	10
12	WYD	1	0	0	1	1	0	1	2
13	KNR	1	0	5	6	1	0	6	7
14	KSD	0	0	4	4	0	0	5	5
	Kerala	9	3	152	164	9	3	171	183

*Source:- Economic review ,State Planning board*





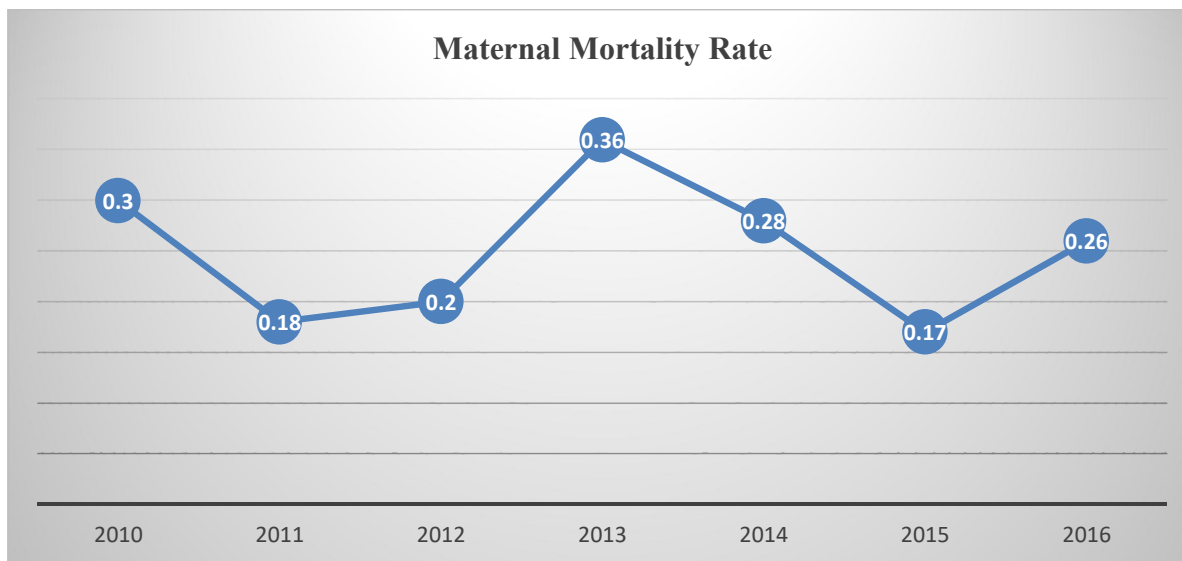
## VII - Health

The State has succeeded in increasing life expectancy as well as reducing infant and maternal mortality rates. This sound public health care system in the State has providing better medical facilities. The high literacy rate especially among females made a major role in improving the health status in the State. This chapter include district wise details of maternal mortality rate, still birth, infant mortality rate, birth and death rate, number of modern medical institutions under DHS, district wise details of IP, OP under DHS, deliveries conducted under Govt. and Private hospitals, details of major cause of death, age-wise details of medically certified cause of death etc.

**7.1 District wise Maternal Mortality Rate**

District	2010	2011	2012	2013	2014	2015	2016
Thiruvananthapuram	0.22	0.16	0.33	0.27	0.43	0.31	0.24
Kollam	0.25	0.16	0.11	0.18	0.1	0.07	0.50
Pathanamthitta	0.07	0.28	0.12	0.24	0.18	0.19	0.31
Alappuzha	0.21	0.34	0.28	0.47	0.05	0.15	0.39
Kottayam	0.32	0.28	0.18	0.92	0.51	0.04	0.17
Idukki	0.35	0.07	0.4	1	0.66	0.46	0.50
Ernakulam	0.34	0.29	0.06	0.42	0.26	0.07	0.21
Thrissur	0.54	0.21	0.24	0.18	0.14	0.16	0.23
Palakkad	0.13	0.24	0.14	0.39	0.39	0.18	0.35
Malappuram	0.35	0.15	0.27	0.26	0.14	0.17	0.23
Kozhikkode	0.14	0.1	0.03	0.09	0.21	0.12	0.30
Wayanad	0.22	0.07	0.13	0.41	0.49	0.41	0.14
Kannur	0.39	0.16	0.18	0.31	0.47	0.11	0.16
Kasaragod	0.25	0.09	0.53	1.14	0.44	0.23	0.16
<b>Kerala</b>	<b>0.3</b>	<b>0.18</b>	<b>0.2</b>	<b>0.36</b>	<b>0.28</b>	<b>0.17</b>	<b>0.26</b>

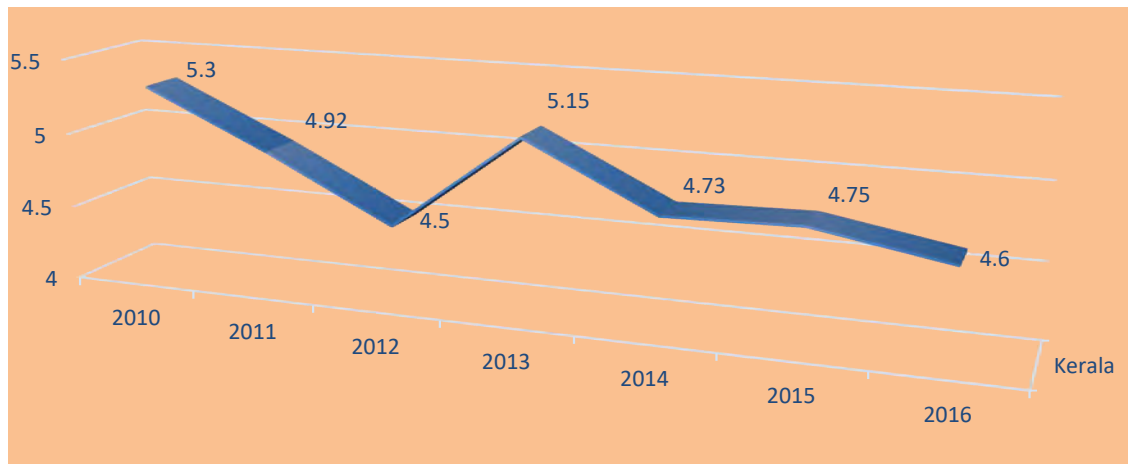
*Source:- Annual Vital statistics ,DES*



<b>7.2 District wise details Still birth</b>							
District	2010	2011	2012	2013	2014	2015	2016
Thiruvananthapuram	8.32	8.24	8.51	8.4	7.23	6.76	6.71
Kollam	2.36	2.06	1.98	1.46	1.94	1.79	2.28
Pathanamthitta	2.12	2.42	2.08	1.76	1.39	1.8	1.44
Alappuzha	3.8	5.01	1.02	4.33	4.68	4.26	4.02
Kottayam	7.28	7.53	6.34	6.31	7.18	7.08	7.3
Idukki	3.07	2.17	3.19	4.9	2.57	3.28	4.89
Ernakulam	4.75	4.77	4.68	4.47	4.38	3.66	2.42
Thrissur	5.92	4.33	4.4	6.8	5.54	5.06	5.72
Palakkad	3.99	2.69	2.64	2.89	2.38	3.43	3.31
Malappuram	3.25	2.99	2.79	3.03	2.35	2.36	2.61
Kozhikkode	8.49	8.75	7.9	9.56	8.59	9.65	8.59
Wayanad	7.94	5.41	5.8	5.92	6.46	5.36	5.69
Kannur	6.46	5.17	4.98	4.81	5.04	5.53	4.78
Kasaragod	4.07	4.86	2.44	4.14	4.49	3.81	4.04
<b>Kerala</b>	5.3	4.92	4.5	5.15	4.73	4.75	4.60

Source:- Annual Vital statistics ,DES

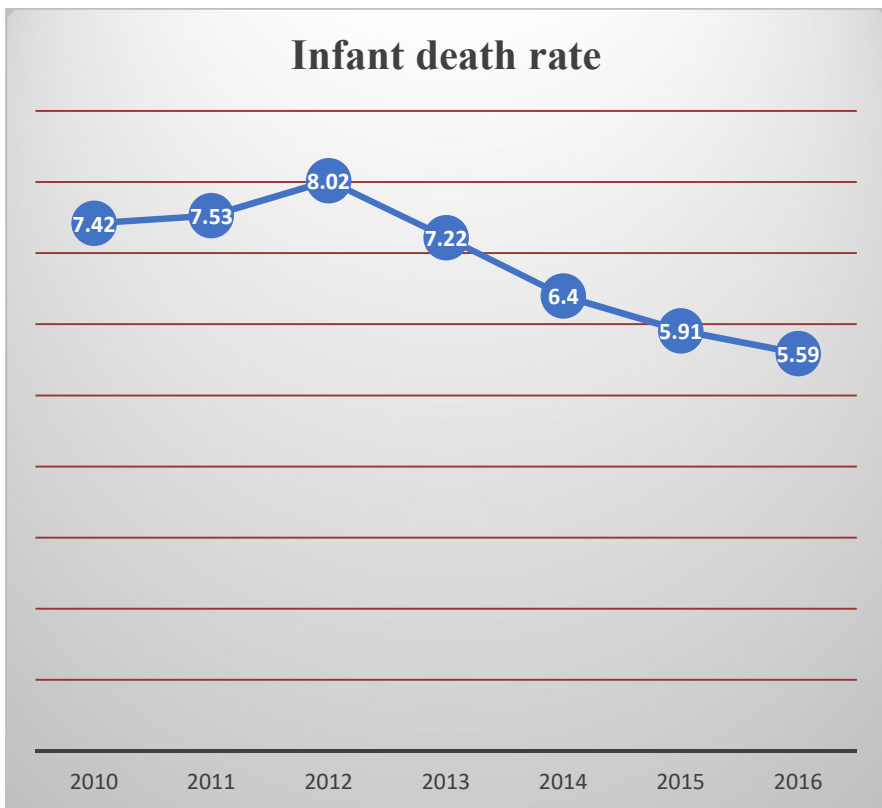
## Still birth



**7.3 District wise details Infant death rate**

District	2010	2011	2012	2013	2014	2015	2016
Thiruvananthapuram	4.09	12.13	13.76	12.08	11.1	11.46	10.08
Kollam	4.21	2.62	2.5	2.1	2.26	1.52	2.18
Pathanamthitta	4.64	5.64	4.87	4.87	5.4	3.85	4.07
Alappuzha	9.08	4.39	4.72	4.11	3.39	3.14	3.14
Kottayam	4.7	9.24	9.88	8.29	9.81	8.35	8.54
Idukki	4.85	2.83	4.4	3.28	3.53	2.3	2.08
Ernakulam	5.09	8.22	8.97	8.06	6.15	3.34	2.97
Thrissur	2.01	8.48	8.33	8.54	7.1	7.86	6.31
Palakkad	4.24	3.69	3.3	3.31	2.87	2.94	2.52
Malappuram	4.19	4.6	4.59	3.83	3.62	3.45	3.39
Kozhikkode	6.04	17.67	20.33	18.22	15.22	14.49	13.54
Wayanad	4.91	4.97	4.74	3.72	3.39	2.7	4.16
Kannur	5.16	6.03	6.42	5.48	4.77	4.06	4.69
Kasaragod	3.77	3.97	3.3	3.06	2.21	2.5	3.04
<b>Kerala</b>	7.42	7.53	8.02	7.22	6.4	5.91	5.59

*Source:- Annual Vital statistics ,DES*

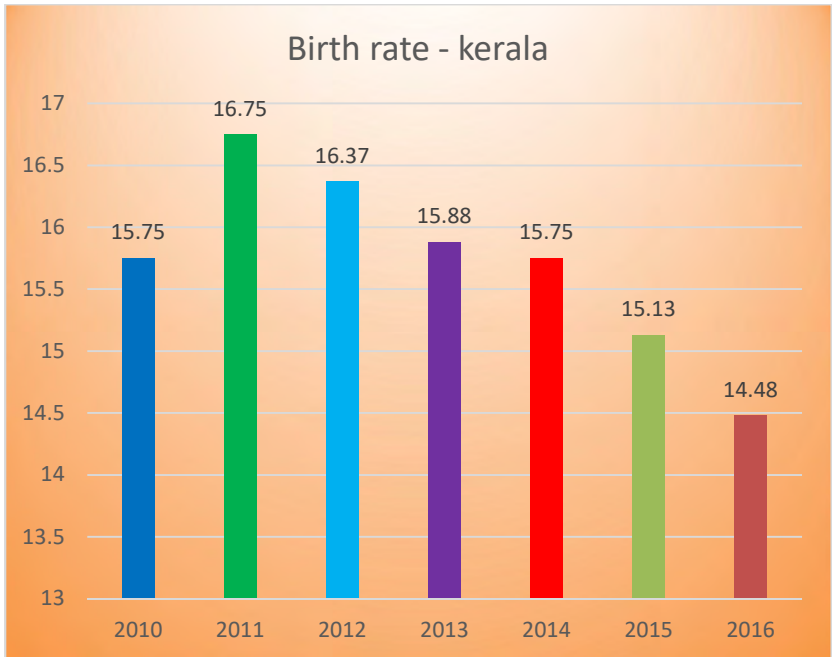




**7.4 District wise Birth rate in Kerala**

District	2010	2011	2012	2013	2014	2015	2016
Thiruvananthapuram	14.52	16.62	15.63	15.42	15.33	14.41	13.43
Kollam	13.71	14.18	13.36	12.43	11.88	11.39	10.57
Pathanamthitta	13.9	14.81	14.46	13.8	13.89	11.61	13.53
Alappuzha	9.89	10.93	10.14	10.03	9.66	9.39	8.14
Kottayam	13.7	14.35	14.04	14.34	13.71	11.32	11.88
Idukki	12.63	13.71	13.59	12.71	12.36	11.9	10.96
Ernakulam	14.07	14.39	14.26	13.46	13.51	12.46	12.92
Thrissur	17.15	17.88	16.84	16.23	16.23	15.78	14.53
Palakkad	13.88	14.74	14.64	14.5	14.33	13.54	12.83
Malappuram	21.29	22.28	22.41	21.66	21.56	21.28	20.80
Kozhikkode	18.06	19.01	18.76	18.61	19.09	18.1	17.48
Wayanad	16.66	18.41	17.94	17.87	17.03	17.33	17.51
Kannur	18.67	20.16	20.05	18.81	18.33	17.59	16.88
Kasaragod	16.69	16.73	17	16.42	16.83	15.63	15.14
<b>Kerala</b>	<b>15.75</b>	<b>16.75</b>	<b>16.37</b>	<b>15.88</b>	<b>15.75</b>	<b>15.13</b>	<b>14.48</b>

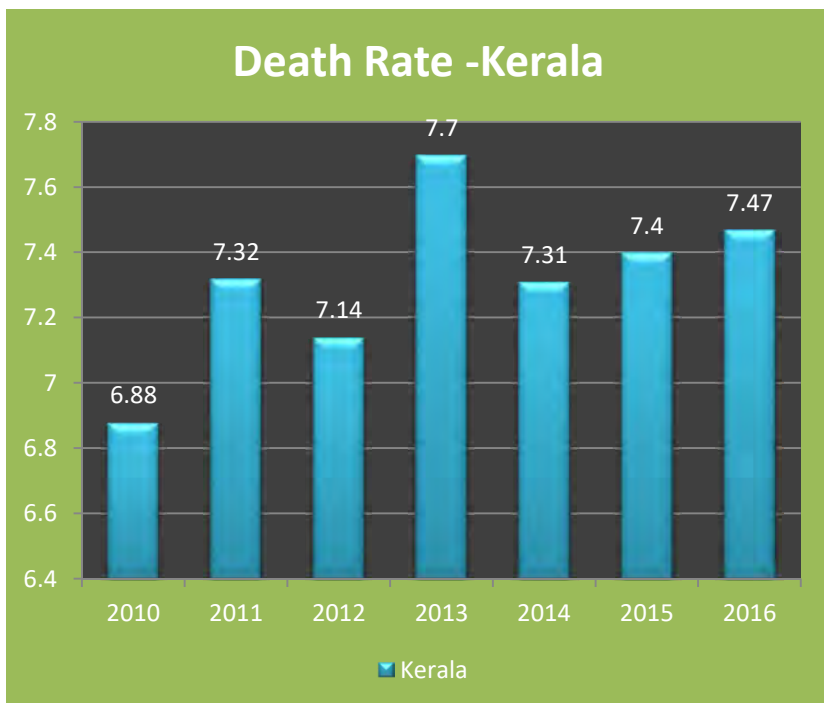
*Source:- Annual Vital statistics ,DES*



### 7.5 District wise Death rate in Kerala

District	2010	2011	2012	2013	2014	2015	2016
Thiruvananthapuram	5.16	8.8	8.63	9.42	9.16	9.57	8.90
Kollam	6.4	7.33	7.09	7.72	7.09	7.32	7.48
Pathanamthitta	4.76	9.48	9.17	10.06	9.5	9.87	10.25
Alappuzha	7.22	7.68	7.26	8.19	7.6	7.66	7.60
Kottayam	4.53	9.15	8.87	9.88	9.52	9.56	9.49
Idukki	5.83	6.15	5.87	6.14	5.93	6.00	5.9
Ernakulam	8.71	8.55	8.46	8.96	8.56	7.98	8.51
Thrissur	8.12	8.92	8.56	9.17	8.75	9.08	8.94
Palakkad	5.57	6.02	5.96	6.45	6.08	6.09	6.21
Malappuram	8.42	4.68	4.52	4.88	4.45	4.58	4.86
Kozhikkode	6.98	7.54	7.69	8.14	7.75	7.87	7.84
Wayanad	8.95	5.29	5.09	5.28	5.09	5.15	5.58
Kannur	6.55	6.75	6.54	6.99	6.79	6.87	7.26
Kasaragod	7.84	5.37	10.37	5.45	5.26	5.46	5.47
<b>Kerala</b>	6.88	7.32	7.14	7.7	7.31	7.40	7.47

*Source: - Annual Vital statistics, DES*



**7.6 State ward yearly details of Infant Mortality Rates**

Year	Neo-Natal mortality rate	Early Neo natal	Late neo natal	Post neo-natal	Pre-neo-natal
2010	5.59	4.51	1.08	1.83	9.79
2011	6.1	4.91	1.18	1.43	9.81
2012	6.21	4.96	1.24	1.81	9.43
2013	5.79	4.64	1.15	1.43	9.76
2014	5.04	4	1.04	1.41	8.7
2015	4.5	3.51	0.98	1.42	8.25
2016	4.25	3.39	0.86	1.34	7.97

*Source: - Annual Vital statistics, DES*

### 7.7 Number of Modern Medical Institutions under the Department of Health Services-2016

Sl.No	State / Districts	General Hospital		District Hospitals		Private Hospitals	
		No.	Bed	No	Bed	No	Bed
1	Thiruvananthapuram	2	1183	2	562	966	10348
2	Kollam	0	0	1	537	850	7995
3	Pathanamthitta	2	714	1	210	451	5873
4	Alappuzha	1	400	2	487	881	4112
5	Kottayam	4	1064	0	0	980	7622
6	Idukki	0	0	2	274	487	4984
7	Ernakulam	2	1049	1	217	1810	17806
8	Thrissur	2	456	1	117	979	11267
9	Palakkad	0	0	1	544	653	6561
10	Malappuram	1	501	3	483	1353	8767
11	Kozhikkode	1	550	1	210	1206	8764
12	Wayanad	1	250	1	500	301	2284
13	Kannur	1	541	1	616	959	7184
14	Kasaragod	1	212	1	400	487	1806
	Kerala	18	6920	18	5157	12363	105373

Source:-Survey and Design division ,DES

**7.7 Number of Modern Medical Institutions under the Department of Health Services -2016**

Sl. No.	State / Districts	Specialty Hospitals									
		Women and Children Hospital		MHC		TB		LEP		Others	
		No.	Bed	No.	Bed	No.	Bed	No.	Bed	No.	Bed
1	Thiruvananthapuram	2	434	1	507	1	508	0	0	1	34
2	Kollam	1	273	0	0	1	50	0	0	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	308	0	0	1	12	1	767	1	20
5	Kottayam	0	0	0	0	0	0	0	0	1	150
6	Iduki	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	1	132	0	0	0	0	0	0	0	0
8	Thrissur	0	0	1	361	0	0	1	660	0	0
9	Palakkad	1	250	0	0	0	0	0	0	1	54
10	Malappuram	0	0	0	0	0	0	0	0	0	0
11	Kozhikode	1	295	1	474	0	0	1	263	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	100	0	0	0	0	0	0	0	0
14	Kasaragode	0	0	0	0	0	0	0	0	0	0
	<b>Kerala</b>	<b>8</b>	<b>1792</b>	<b>3</b>	<b>1342</b>	<b>3</b>	<b>570</b>	<b>3</b>	<b>1690</b>	<b>4</b>	<b>258</b>

*Source: DHS,GOK*

**7.8 District wise details of IP, OP, under DHS**

Sl no	District	2011		2012		2013-14	
		IP	OP	IP	OP	IP	OP
1	Thiruvananthapuram	362900	8453042	361554	8747499	195963	9803663
2	Kollam	143408	4793880	89879	3150089	106960	6092185
3	Pathanamthitta	160151	3147833	136035	4740379	212523	8835028
4	Alappuzha	63413	3898866	143937	5470749	159971	5656586
5	Kottayam	140532	5245698	264757	5661553	87613	14436553
6	Idukki	75011	2094999	150556	3597462	144749	4296633
7	Ernakulam	108849	2652155	381288	8469327	81999	5604558
8	Thrissur	184585	5334182	289265	6218395	144695	6084685
9	Palakkad	157780	3953284	246583	4114932	175643	4834763
10	Malappuram	150862	5601754	481658	10896471	155259	8379210
11	Kozhikode	69351	3454706	193026	5182584	159355	5802022
12	Wayanad	28955	567739	62646	1920193	73408	3122718
13	Kannur	146862	2904853	215093	5029185	120029	4870148
14	Kasaragod	39065	954560	49757	1708637	52007	2162099
	Kerala	1831724	53057551	3066034	74907455	1870174	89980851

Source: DHS,GOK



**7.8 District wise details of IP, OP, under DHS (contd...)**

Sl no	District	2014-15		2015-16		2016-17	
		IP	OP	IP	OP	IP	OP
1	Thiruvananthapuram	353766	11258863	346679	12144311	333360	13019060
2	Kollam	96814	5868441	113141	7171054	129657	8156620
3	Pathanamthitta	158167	4476222	169898	5050586	161188	5292857
4	Alappuzha	163797	6242181	174289	7069617	160216	4694402
5	Kottayam	252031	7139930	242359	7328610	241282	7905098
6	Idukki	151176	4113169	151822	4119661	206346	7679666
7	Ernakulam	334966	10139532	360659	11170051	370173	12258142
8	Thrissur	440522	8368643	461827	10142090	540614	10899049
9	Palakkad	240758	5537391	207284	5868578	220244	7247237
10	Malappuram	527091	13305085	541575	13876765	506688	14810547
11	Kozhikode	273616	7288545	314036	8192070	230445	8907953
12	Wayanad	65120	2136066	68502	2756173	75542	3215258
13	Kannur	144212	5710159	112638	6028991	145327	7677522
14	Kasaragod	47212	2095718	54267	2501218	135379	3300430
	Kerala	3249248	93679945	3318976	103419775	3456461	115063841

*Source: DHS, GOK*

**7.9 Distribution of Medically Certified death in percentage**

Sl.No	Cause of Death	2011	2012	2013	2014	2015
1	Diseases of the Circulatory System(I00-I99) in percentage	31.8	29.95	29.79	29.60	29.53
2	Neoplasms (C00-D48)	14.3	14.55	15.2	16.38	17.04
3	Endocrine, Nutritional and metabolic Diseases(E00-E89)	10.2	12.41	10.9	11.33	11.35
4	Diseases of Respiratory System(J00-J98)	11.98	10.95	10.44	10.62	10.56
5	Diseases of Digestive System(K00-K92)	7.21	7.38	8.14	7.97	7.63
6	Certain Infectious and Parasitic diseases (A00-B99)	6.56	6.93	5.93	5.66	5.60
7	Injury, Poisoning and Certain other consequence of External causes(S00-T98)	4.29	3.76	5.03	3.61	4.53
8	Diseases of Genitourinary System	2.79	2.65	4.23	3.18	2.82
9	Certain Condition Originating in the prenatal period(P00-P96)	3.78	3.99	3.6	3.78	3.49
10	Other Group	7.09	7.43	6.74	7.87	7.44

***Source: -Report on Medical Certification of Cause of Death, DES***

### 7.10 Percentage of Age wise details of Medically Certified Cause of death

Age group	Diseases of the Circulatory System (I00-I99) in percentage					Ischemic Heart Diseases (IHD) in percentage				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
<1	0.23	0.27	0.04	0.05	0.03	0.07	0	0	0.00	0.00
1-4	0.14	0.15	0.11	0.07	0.04	0.00	0	0	0.00	0.00
5-14	0.31	0.44	0.17	0.19	0.11	0.03	.03	0	0.00	0.03
15-24	0.61	0.71	0.60	0.68	0.61	0.10	.03	0.03	0.03	0.17
25-34	1.58	1.64	1.52	1.21	1.22	0.55	0.78	0.47	0.48	0.40
35-44	4.40	3.91	3.90	4.37	3.72	2.73	2.63	2.22	2.54	2.43
45-54	10.88	10.99	11.13	11.67	11.10	9.57	9.85	10.39	10.14	8.53

55-64	21.29	21.75	22.60	23.48	23.28	23.79	23.04	22.68	24.72	24.11
65-69	15.97	15.38	14.82	14.66	15.91	16.75	15.62	15.75	14.84	16.71
70+	44.59	43.26	45.11	43.63	43.97	46.41	43.31	48.45	47.25	47.63
Not specified		1.49	0	0.00	0.00		4.72	0	0.00	0.00

*Source:-Report on Medical Certification of Cause of Death,DES,*

**7.10 Percentage of Age wise details of Medically Certified Cause of death**

Age group	Cerebrovascular diseases (I60-I69)					Hypertensive diseases (I00-I02)				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
<1	0.08	0.03	0.06	0.04	0.00	0.19	0	0	0.00	0.00
1-4	0.04	0.03	0	0.11	0.04	0	0	0	0.00	0.00
5-14	0.31	0.40	0.10	0.15	0.11	0	0.07	0.09	0.00	0.00
15-24	0.77	0.84	0.26	1.23	0.88	0.19	0.42	0.19	0.08	0.00
25-34	2.09	1.65	1.35	1.16	1.59	0.77	0.70	0.28	0.68	0.42
35-44	4.88	4.61	4.52	4.97	4.50	2.62	2.10	1.87	1.87	2.67
45-54	12.24	11.35	11.09	11.03	11.50	10.08	9.94	9.64	10.88	11.75
55-64	20.18	20.03	21.22	20.31	21.13	22.27	25.28	27.88	28.12	26.25
65-69	15.68	15.52	14.88	13.28	14.34	17.36	17.79	16.28	18.61	18.50
70+	43.73	45.52	46.52	47.73	45.91	46.52	43.70	43.78	39.76	40.42

*Source:-Report on Medical Certification of Cause of Death,DES*

**7.10 Percentage of Age wise details of Medically Certified Cause of death**

Age group	Diseases of pulmonary circulation and other forms of heart disease (I26-I51)					Other diseases of the circulatory system ( I70-I99)				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
<1	0.94	1.18	0.14	0.25	0.15	0	0.22	0	0	0.26
1-4	0.74	0.74	0.64	0.25	0.23	0.18	0.22	0.25	0.25	0.00
5-14	1.21	1.70	0.85	0.82	0.30	0	0.45	0	0	0.26
15-24	1.62	2.58	2.47	1.48	1.52	0.90	0.22	1.26	1.26	0.77
25-34	2.49	4.06	4.38	2.46	2.58	1.63	2.01	2.78	2.78	2.06
35-44	6.6	5.10	7.48	7.38	4.33	3.98	5.15	3.79	3.79	4.90
45-54	11.38	11.67	13.13	15.74	13.91	7.59	9.17	10.61	10.61	13.66

55-64	19.73	19.72	20.10	22.30	21.58	15.01	19.24	23.48	23.48	25.00
65-69	13.06	12.63	11.01	14.02	15.96	18.99	15.66	17.42	17.42	14.95
70+	42.23	40.62	39.80	35.33	39.44	51.72	47.65	40.40	40.40	38.14

*Source:-Report on Medical Certification of Cause of Death,DES*

**7.10 Percentage of Age wise details of Medically Certified Cause of death**

Age group	Acute rheumatic fever and chronic rheumatic heart diseases ( I00-I09)				
	2011	2012	2013	2014	2015
<1	0	0	0	0.00	0.00
1-4	0	0	0.55	0.00	0.00
5-14	1.06	0.93	0	0.00	0.45
15-24	1.06	3.70	3.28	1.80	1.81
25-34	9.57	3.70	6.01	5.86	4.52
35-44	22.34	13.89	8.74	15.32	14.48
45-54	25.00	28.24	19.67	21.17	22.62
55-64	20.75	22.22	31.15	27.93	28.51
65-69	10.11	11.11	12.02	11.71	10.41
70+	10.11	16.20	18.58	16.22	17.19

*Source:-Report on Medical Certification of Cause of Death,DES*



**7.10 Age wise details of Medically Certified Cause of death in Percentage**

Age group	Neoplasms(C00-D48)				
	2011	2012	2013	2014	2015
<1	0.38	0.37	0.27	0.20	0.15
1-4	1.22	0.99	0.68	0.92	0.86
5-14	1.55	1.95	1.52	1.37	1.28
15-24	2.01	1.76	2.17	2.04	1.81
25-34	3.51	2.98	2.99	3.00	2.79
35-44	8.84	8.16	8.03	7.02	7.10
45-54	18.26	17.25	17.91	17.62	18.77
55-64	27.64	28.18	27.57	28.66	28.87
65-69	14.22	14.83	13.73	15.38	15.45
70+	22.37	22.89	25.13	23.78	22.93
Non -Specified				0.02	0.00

*Source:-Report on Medical Certification of Cause of Death,DES*

### 7.11 Distribution of major causes of deaths among Diseases of Circulatory System

Sl no	Cause	2011		2012		2013		2014		2015	
		No.	%	No.	%	No.	%	No.	%	No.	%
1	Ischemic heart diseases ( I20-I25)	2926	31.45	2965	31.61	3377	35.33	3107	35.06	3542	37.32
2	Cerebrovascular diseases (I60-I69)	2582	27.75	2970	31.66	3119	32.62	2757	31.11	2825	29.76
3	Diseases of pulmonary circulation and other forms of heart disease ( I26-I51)	1485	15.96	1354	14.43	1417	14.82	1220	13.77	1316	13.86
4	Hypertensive diseases (I00-I02)	1567	16.84	1428	15.22	1069	11.18	1177	13.28	1200	12.64
5	Other diseases of the circulatory system ( I70-I99)	553	5.94	447	4.77	396	4.14	378	4.27	388	4.09
6	Acute rheumatic fever and chronic rheumatic heart diseases ( I00-I09)	190	2.06	216	2.30	183	1.91	222	2.51	388	4.09
7	Total Medically Certified Deaths due to Diseases of Circulatory System	9303	100.00	9380	100	9561	100	8861	100	<b>9492</b>	<b>100</b>

**7.12 Distribution of major causes of deaths among Diseases of Neoplasms**

Sl no	Cause	2011		2012		2013		2014		2015	
		No.	%	No.	%	No.	%	No.	%	No.	%
1	Malignant neoplasms of digestive organs (C15-C26)	1068	25.53	1220	26.77	1327	27.20	1348	27.49	1600	29.21
2	Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	717	17.13	829	18.19	908	18.61	875	17.85	956	17.45
3	Malignant neoplasms of lymphoid, haematopoietic and related tissue (C81-C96)	760	18.16	866	19	885	18.14	883	18.01	947	17.29
4	Malignant neoplasms of genitourinary organs (C51-C68)	352	8.41	460	10.09	460	9.43	518	10.56	566	10.33
5	Malignant neoplasms of bone, mesothelial and soft tissue, skin and breast (C40-	374	8.94	428	9.39	479	9.82	488	9.95	529	9.66

	C50)										
6	Malignant neoplasms of other and unspecified sites (C73-C80 & C97)	502	12	275	6.03	244	5	294	6.00	364	6.65
7	Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	248	5.92	252	5.53	319	6.54	288	5.87	293	5.35
8	Other Groups	163	3.90	227	4.98	257	5.27	209	4.26	222	4.05
9	<b>Total Medically Certified Deaths due to Neoplasm</b>	4184	100	4557	100	4879	100	4903	100	5477	100
	<b>Deaths due to Neoplasm as percentage to total medically certified deaths</b>	4184	14.30	4557	14.55	4879	15.20	4903	16.38	5477	17.04

*Source:-Report on Medical Certification of Cause of Death,DES*

**7.13 Age wise details of Medically Certified Cause of death in Percentage**

Age group	Malignant neoplasms of digestive organs (C15-C26)				
	2011	2012	2013	2014	2015
<1	0.19	0	0.08	0.07	0.00
1-4	0.09	0.08	0.15	0.07	0.13
5-14	0	0.16	0.08	0.07	0.13
15-24	0.47	0.33	0.60	0.52	0.19
25-34	2.62	1.31	1.58	1.48	1.44
35-44	7.21	6.97	6.18	5.56	5.19
45-54	17.70	17.62	17.63	16.62	16.19
55-64	27.32	28.69	27.51	29.15	31.25
65-69	26.87	17.30	15.67	17.73	17.75
70+	100	27.54	30.52	28.71	27.75

*Source:-Report on Medical Certification of Cause of Death,DES*

### 7.13 Age wise details of Medically Certified Cause of death in Percentage

Age group	Malignant neoplasms of genitourinary organs (C51-C68)					Malignant neoplasm of breast				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
<1	0	0	0	0.00	0.00	0	0	0	0.00	0.00
1-4	0.28	0	0	0.19	0.00	0	0	0	0.00	0.00
5-14	0.28	0	0.43	0.19	0.53	0	0	0	0.00	0.00
15-24	1.42	0.65	0.43	0.77	1.06	0.33	0	0.51	0.25	0.00
25-34	1.42	1.96	1.30	2.32	1.24	4.61	2.75	4.09	3.47	2.81
35-44	9.09	7.61	6.96	8.69	7.42	16.78	11.01	13.04	15.38	12.18
45-54	15.34	16.30	17.83	18.15	18.20	32.24	24.77	26.85	26.30	34.19

55-64	24.15	27.61	22.39	24.90	25.44	28.62	31.80	31.97	32.01	29.74
65-69	11.93	13.91	16.09	14.29	14.84	7.88	14.98	10.74	10.17	10.07
70+	36.08	31.96	34.57	30.50	31.27	9.54	9.48	12.79	12.41	11.01

*Source:-Report on Medical Certification of Cause of Death,DES*

### 7.13 Age wise details of Medically Certified Cause of death in Percentage

Age group	Malignant neoplasm of Liver					Malignant neoplasm of Stomach				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
<1	0.78	0	0.28	0.26	0.00	0	0	0	0.00	0.00
1-4	0.39	0.28	0.57	0.26	0.41	0	0	0	0.00	0.00
5-14	0	0	0	0.26	0.20	0	0	0	0.00	0.00
15-24	0.39	0.56	0.57	0.26	0.00	0	0.42	0.36	0.00	0.00
25-34	1.18	1.13	0.85	0.79	0.20	3.02	1.69	2.90	2.49	3.94
35-44	5.10	5.08	4.27	3.16	3.25	8.62	8.86	10.51	7.05	11.02



45-54	12.55	16.67	18.80	13.42	12.80	21.12	20.25	19.93	15.77	16.54
55-64	27.45	31.36	29.91	31.84	36.59	27.16	25.74	23.91	24.90	29.53
65-69	21.96	18.64	16.24	20.26	16.67	15.95	13.92	14.49	22.41	16.93
70+	30.20	26.27	28.49	29.47	29.88	24.13	29.11	27.90	27.39	22.05

*Source:-Report on Medical Certification of Cause of Death,DES*

**7.14 Per 1000 distribution of spells of ailments treated (through different types of treatment) during last 15 days for each quintile class of UMPCE**

Quintile class of UMPCE	None	Allopathic	ISM	Homeopathy	Yoga & naturopathy	Other
	RURAL					
1	21	909	43	26	0	0
2	23	912	55	5	6	0
3	8	917	50	23	0	0
4	99	820	44	38	0	0
5	11	841	74	56	0	18
All	31	876	55	32	1	5
	URBAN					
1	3	889	65	44	0	0
2	36	936	21	6	0	0
3	4	910	22	59	0	5
4	0	919	29	47	0	2
5	9	904	67	20	0	0
All	9	910	44	35	0	2

Source: - NSS 71<sup>st</sup> round, GOK

**7.15 Per thousand distributions of hospitalisation cases (EC) during last 365 days over age-groups for each gender**

	Per 1000 number of hospitalisation cases during last 365 days								
	Rural			Urban			Rural + Urban		
Age-group	M	F	M +F	M	F	M +F	M	F	M +F
0-4	119	76	97	84	63	74	105	71	88
5-9	35	34	35	50	20	35	41	29	35
9-14	57	12	34	35	30	32	48	19	34
0-14	211	123	166	169	113	141	194	120	157
15-19	25	29	27	22	16	19	24	24	24
20-24	52	32	42	53	63	58	52	43	48
25-29	36	34	35	36	45	41	36	38	37
15-29	113	95	103	111	124	117	112	106	109

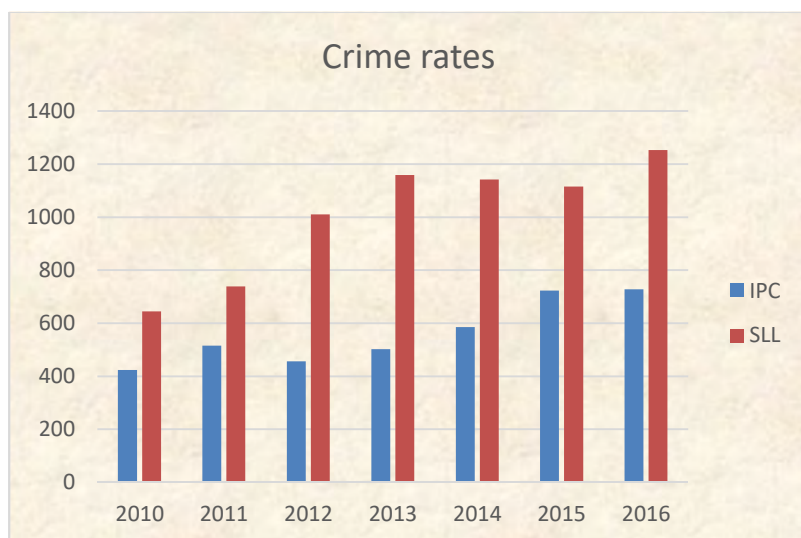
30-34	30	58	44	34	53	43	32	56	44
35-39	46	54	50	47	57	52	47	55	51
40-44	51	51	51	36	72	54	45	59	52
30-44	127	163	145	117	183	149	123	170	147
45-49	74	77	75	40	42	41	60	64	62
50-54	99	64	81	100	78	89	99	70	84
55-59	78	135	107	74	136	104	76	136	106
45-59	250	277	264	213	256	234	236	269	253
60 & above	299	343	321	390	324	357	335	336	335
All	1000	1000	1000	1000	1000	1000	1000	1000	1000

*Source: - NSS 71<sup>st</sup> round GOK*



## VIII- Crime

Kerala, one of the most developed States of the country in terms of human development indices, is unfortunately no exception in the matter of Crimes. In spite of all the positive indices of better quality of life, Kerala is ranked among the top States in Crime and suicide. According to crime statistics provided by Kerala Police that the total number of crime against women reported during the 10-year period was whopping. This chapter includes the trend of crime rates of IPC and SCL in the State. Cases registered under various crime heads under IPC and SLL cases.



## 8.1 Crime rate of Cases reported under IPC and SLL

<b>Year</b>	<b>IPC(Indian Penal Code)</b>	<b>SLL(Special and Local Law of Cases)</b>
<b>2010</b>	424.1	644.7
<b>2011</b>	515.6	738.7
<b>2012</b>	455.8	1009.9
<b>2013</b>	502.2	1158.7
<b>2014</b>	585.3	1142.3
<b>2015</b>	723.1	1114.9
<b>2016</b>	727.6	1252.7

**Source:- Crime Records Bureau ,GOK**

## 8.2 Indian Penal Code Cases registered from 2012-17

Sl. No	Crime Heads	2012	2013	2014	2015	2016	2017 (Provisional)
	Total cognizable crimes ( IPC )	<b>1589 89</b>	<b>1763 34</b>	<b>2067 89</b>	<b>2570 74</b>	<b>2600 97</b>	<b>236698</b>
<b>1</b>	Murder	374	372	367	334	305	304
<b>2</b>	Attempt to commit murder	497	603	676	587	622	581
<b>3</b>	CH not amounting to murder	107	104	84	87	132	113
<b>4</b>	Rape	1019	1221	1347	1256	1656	1987
<b>5</b>	Kidnapping & abduction of women and girls of other	281	252	222	271	241	291
<b>5.a</b>	of women & girls	214	185	143	199	173	200
<b>5.b</b>	of others	67	67	79	72	68	91
<b>6</b>	Dacoity	72	67	71	92	71	66
<b>7</b>	Robbery	725	784	869	767	908	828
<b>8</b>	Burglary	2710	2929	3452	2855	2579	2394



<b>9</b>	<b>Theft</b>	<b>4078</b>	<b>4079</b>	<b>4700</b>	<b>4422</b>	<b>3936</b>	<b>3785</b>
<b>9.a</b>	Auto theft	1262	1250	1607	1515	1294	1279
<b>9.b</b>	Other theft	2816	2829	3093	2907	2642	2506
<b>10</b>	Riots	10938	10042	5820	5830	5089	4830
<b>11</b>	Criminal breach of trust	301	339	366	328	274	168
<b>12</b>	Cheating	4681	4841	6091	4720	4623	3996
<b>13</b>	Counterfeiting	68	79	66	52	43	24
<b>14</b>	Arson	568	479	453	562	554	355
<b>15</b>	Hurt	21170	20399	18465	18298	17388	16112
<b>16</b>	Dowry Deaths(304(B) IPC)	32	21	28	8	25	13
<b>17</b>	Molestation	3735	4362	4367	3987	4029	4498
<b>18</b>	Sexual harassment	498	404	257	267	328	394
<b>19</b>	Cruelty by husband or relatives	5216	4820	4919	3668	3455	2863
<b>20</b>	Other IPC Crimes	101919	120137	154169	208683	213839	193096

Source:- Crime Records Bureau ,GOK

### 8.3 Special and Local Laws Cases registered from 2012-17

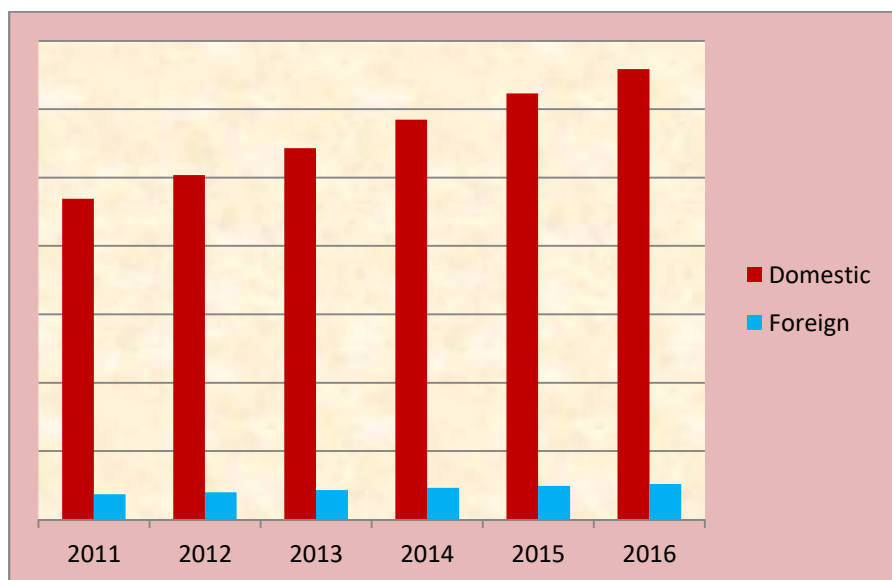
Sl.No	Crime Heads	2012	2013	2014	2015	2016	2017 (Provisionl)
	Total cognizable crimes (SLL )	<b>352289</b>	<b>406848</b>	<b>403576</b>	<b>396334</b>	<b>447773</b>	<b>416206</b>
<b>1</b>	Arms Act	293	259	273	250	215	219
<b>2</b>	NDPS Act	696	974	2239	4103	5924	9242
<b>3</b>	Gambling Act	4496	4394	3810	3691	3556	3109
<b>4</b>	Abkari Act	52282	48828	51989	58197	65046	59514
<b>5</b>	Explosive & Explosive substance Act	443	462	444	373	782	461
<b>6</b>	Immoral Traffic (P) Act	210	180	140	138	121	54
<b>7</b>	Railways Act	10	6	9	22	11	3
<b>8</b>	Registration of foreigners Act	21	20	26	12	7	13

<b>9</b>	<b>Protection of Civil Rights Act</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>10</b>	Indian Passport Act	357	215	173	113	94	74
<b>11</b>	Essential Commodities Act	225	218	278	197	123	125
<b>12</b>	Antiquity and art treasure Act	0	0	0	0	0	1
<b>13</b>	Dowry Prohibition Act	3	3	3	4	3	8
<b>14</b>	Prohibition of Child marriage Act	6	11	19	13	8	17
<b>15</b>	Indecent rep. of women Act	3	20	11	4	2	3
<b>16</b>	SC /ST (POA) Act	77	78	76	83	99	108
<b>17</b>	Forest Act	0	9	22	12	15	11
<b>18</b>	Other SLL Crimes	293167	351171	344064	329121	371767	343243

Source:- Crime Records Bureau ,GOK

## IX- Tourism

Kerala has emerged as one of the prime tourism destination on the national and international map and is considered as the tourism trend setter in the country. This chapter include district wise flow of domestic and foreign tourists and foreign exchange and revenue generated from the tourism sector in the State.



**9.1 District wise flow of Domestic and Foreign tourist to Kerala**

Sl no	District	2011		2012		2013	
		No of domestic tourist	No. of Foreign Tourist	No of domestic tourist	No. of Foreign Tourist	No of domestic tourist	No. of Foreign Tourist
1	Thiruvananthapuram	1288555	224387	1408688	242739	1556435	268444
2	Kollam	210808	9317	220849	9976	235593	11403
3	Pathanamthitta	89115	964	96893	1253	103276	1255
4	Alappuzha	199670	46019	211799	50760	225061	55364
5	Kottayam	334747	37573	354270	40926	382197	40932
6	Idukki	506990	55778	555122	62387	586546	68880
7	Ernakulam	2169426	308674	2351631	330390	2545573	352314
8	Thrissur	2062032	5011	2213893	5946	2366389	6459
9	Palakkad	383027	1331	404017	1557	438552	1874
10	Malappuram	369773	18394	388323	19417	419884	20569
11	Kozhikode	650676	9892	686395	10476	728041	10489
12	Wayanad	451184	7567	480125	9541	519306	10844
13	Kannur	486769	6038	517566	6257	553899	6972
14	Kasargod	178683	2040	187333	2071	197059	2344
	State	9381455	732985	10076904	793696	10857811	858143

**9.1 District wise flow of Domestic and Foreign tourist to Kerala (contd....)**

Sl no	District	2014		2015		2016	
		No of domestic tourist	No. of Foreign Tourist	No of domestic tourist	No. of Foreign Tourist	No of domestic tourist	No. of Foreign Tourist
1	Thiruvananthapuram	1707199	289612	1861470	310223	2030384	383608
2	Kollam	257097	12467	277109	14100	298297	8520
3	Pathanamthitta	112548	1379	126132	1667	134466	1620
4	Alappuzha	246156	60337	270507	63838	315466	78049
5	Kottayam	413182	44366	458101	49976	477950	49513
6	Idukki	635621	77905	668537	83894	752478	50366
7	Ernakulam	2724718	372997	2897894	383643	3073159	407653
8	Thrissur	2545376	7391	2659897	7874	2721174	10133
9	Palakkad	475361	2093	502244	2232	512272	2385
10	Malappuram	449420	21613	470261	23409	471028	19769
11	Kozhikode	769425	11313	811538	12251	884477	12649
12	Wayanad	564274	11795	607335	12377	586146	7067
13	Kannur	584343	7563	613199	9022	632335	5264
14	Kasargod	210691	2535	241347	2973	282906	1823
	State	11695411	923366	12465571	977479	13172538	1038419

*Source: -Directorate of Tourism ,GOK*

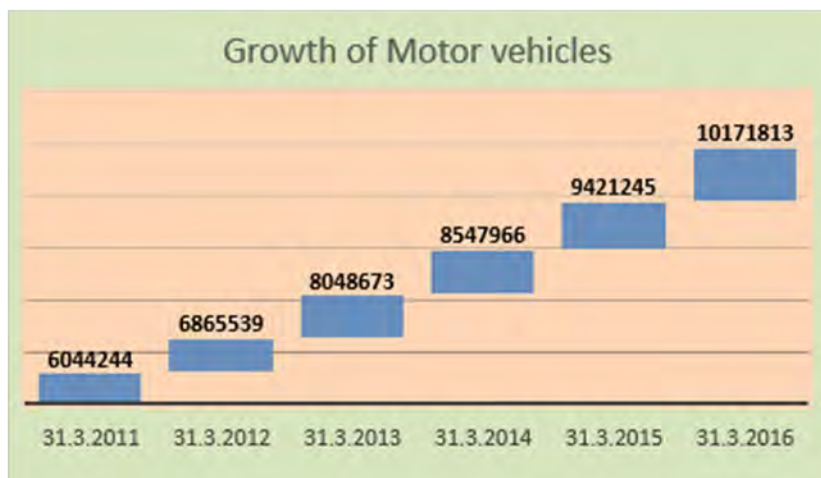
## 9.2 Trends In Domestic & Foreign Tourist Arrivals Into Kerala

YEAR	DOMESTIC TOURISTS	FOREIGN TOURISTS	Foreign Exchange Earnings (Rs. In Crores)	Total revenue generated from Tourism (Direct & Indirect) Rs. In Crores
2007	6642941	515808	2640.94	11433.00
2008	7591250	598929	3066.52	13130.00
2009	7913537	557258	2853.16	13231.00
2010	8595075	659265	3797.37	17348.00
2011	9381455	732985	4221.99	19037.00
2012	10076904	793696	4571.69	20430.00
2013	10857811	858143	5560.77	22926.55
2014	11695411	923366	6398.93	24885.44
2015	12465571	977479	6949.88	26689.63
2016	13172538	1038419	7749.51	29658.56

Source: -Directorate of Tourism ,GOK

## X -Transport and Communication

Transport infrastructure of Kerala consists of 3.31 lakhs km of road network, 1148 km of railway lines, 1087 km of in land water ways, 111 statute miles of airways and 17 ports etc. This chapter contains details of roads, category wise growth of motor vehicles, number of telephone exchanges, Growth of post offices and division-wise distribution of post offices etc.





**10.1 Category wise, growth of motor vehicle in Kerala**

	Item	31.3.2011		31.3.2012		31.3.2013	
	Type of Vehicles	No. of vehicle	Percentage of total	No. of vehicle	Percentage of total	No. of vehicle	Percentage of total
<b>I</b>	<b>Goods Vehicle</b>						
	Four wheelers and above	294395	4.87	322450	4.70	354296	4.40
	Three wheelers including tempos	117266	1.94	128452	1.87	206901	2.57
<b>II</b>	<b>Buses</b>						
	Stage carriages	19897	0.33	21457	0.31	34161	0.42
	contract carriages/omni buses	119150	1.97	124290	1.81	137731	1.71
<b>III</b>	<b>Four wheelers</b>						
	Cars	1060861	17.55	1226691	17.87	1358728	16.88
	Motor cab	163407	2.70	175638	2.56	128250	1.59
	Jeep	73700	1.22	73700	1.07	74167	0.92

IV	Three wheelers						
	Auto richshaws	518741	8.58	575763	8.39	602547	7.49
	motorised cycle rickshaw	61	0.00	0	0.00	0	0.00
V	Two wheelers						
	Motorised cycle	1017	0.02	0	0.00	0	0.00
	Motor cycle/scooter	3610838	59.73	4127227	60.12	5041495	62.64
VI	Tractor/Tillers						
	Tractors	12224	0.20	13740	0.20	14183	0.18
	Tillers	5335	0.09	5399	0.08	5399	0.07
	Trailors	2324	0.04	2407	0.04	2744	0.03
	Others	46106	0.76	68325	1.00	88071	1.09

Item		31.3.2014		31.3.2015		31.3.2016	
	Type of Vehicles	No. of vehicle	Percentage of	No. of vehicle	Percentage of total	No. of vehicle	Percentage of
<b>I</b>	<b>Goods Vehicle</b>						
	Four wheelers and above	373218	4.37	411349	4.37	419813	4.13
	Three wheelers including tempos	140278	1.64	154609	1.64	136938	1.35
<b>II</b>	<b>Buses</b>						
	Stage carriages	28386	0.33	31286	0.33	42707	0.42
	contract carriages/omni buses	132144	1.55	145646	1.55	64051	0.63
<b>III</b>	<b>Four wheelers</b>						
	Cars	1538246	18.00	1702925	18.08	2070665	20.36
	Motor cab	194358	2.27	214216	2.27	107567	1.06
	Jeep	73700	0.86	73700	0.78		0.00

<b>IV</b>	<b>Three wheelers</b>						
	Auto richshaws	663241	7.76	731000	7.76	610235	6.00
	motorised cycle rickshaw		0.00		0.00		0.00
<b>V</b>	<b>Two wheelers</b>						
	Motorised cycle		0.00		0.00		0.00
	Motor cycle/scooter	5288529	61.87	5828817	61.87	6472335	63.63
<b>VI</b>	<b>Tractor/Tillers</b>						
	Tractors	15030	0.18	15293	0.16	14213	0.14
	Tillers	5414	0.06	5414	0.06	187	0.00
	Trailors	2411	0.03	2411	0.03	699	0.01
	Others	93011	1.09	104579	1.11	232403	2.28
<i>Source:- Transport Commissionerate ,GOK</i>							

### 10.2 Length of Roads in Kerala (Km)

Type of Roads	31.3.2011	31.3.2012	31.3.2013	31.3.2014	31.3.2015	31.3.2016
State Highways	4341.651	4341.651	4341.651	4341.651	4341.651	4341.651
Major District Roads	18900.058	27469.95	27469.95	27469.95	27469.950	27470.445
Total	23241.709	31811.601	31811.601	31811.601	31811.601	31812.096

Source:-Economic review , GOK

## Communication

### 10.3 Telephone exchanges and connections in Kerala

	Item	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
I	No. of Telephone Exchanges	1245	1266	1266	1269	1321	1306
II	No. of working connections	9051341	10661427	10661427	8969375	2165925	1962592
III	No. of Telephones per Sq.KM	5607	274	274	230	66.77	61.41
IV	No. of Telephones per 1000 Population	4932.69	333.92	333.92	267	70.235	70.325

Source:-Economic review , GOK

### 10.4 Growth of Post offices in Kerala during the last 7 years

V	Year	Head Office	District Sub office	E D sub office	Branch Office	Total
1	2011	51	1455	2	3559	5067
2	2012	51	1455	2	3560	5068
3	2013	51	1455	0	3558	5064
4	2014	51	1457	0	3559	5067
5	2015	51	1457	0	3560	5068
6	2016	51	1457	0	3560	5068
7	2017	51	1457	0	3557	5065

Source: - Transport Commissionerate , GOK

## 10.5 Division-wise Distribution of Post offices in Kerala as on 31.3.2017

VI	Division	Head Office	Sub office	E D sub office	Branch Office	Total
1	Thiruvananthapuram North	2	75	0	119	196
2	Thiruvananthapuram South	2	68	0	148	218
3	Kollam	3	91	0	151	245
4	Pathanamthitta	3	77	0	233	313
5	Thiruvalla	2	64	0	93	159
6	Alappuzha	2	48	0	74	124
7	Mavelikara	2	52	0	73	127
8	Changanacherry	2	46	0	117	165
9	Idukki	2	52	0	239	293
10	Kottayam	3	79	0	176	258

<b>311</b>	<b>Ernakulam</b>	<b>2</b>	<b>71</b>	<b>0</b>	<b>62</b>	<b>135</b>
<b>12</b>	Aluva	3	71	0	181	255
<b>13</b>	Thrissur	3	105	0	185	293
<b>14</b>	Irinjalakuda	2	63	0	127	192
<b>15</b>	Lakshaweep	0	9	0	1	10
<b>16</b>	Palakkad	3	83	0	150	236
<b>17</b>	Ottapalam	1	55	0	163	219
<b>18</b>	Manjeri	2	46	0	211	259
<b>19</b>	Tiru	2	52	0	119	173
<b>20</b>	Kozhikode	3	71	0	230	304
<b>21</b>	Vadakara	2	40	0	183	225
<b>22</b>	Thalassery	1	44	0	163	208
<b>23</b>	Kannur	2	66	0	163	231
<b>24</b>	<b>Kasaragod</b>	<b>2</b>	<b>29</b>	<b>0</b>	<b>196</b>	<b>227</b>
	<b>Total</b>	<b>51</b>	<b>1457</b>	<b>0</b>	<b>3557</b>	<b>5065</b>

*Source:- Transport Commissionerate ,GOK*