

Drinking Water
Supply & Sanitation



GOVERNMENT OF KERALA

Transport



Energy



INFRASTRUCTURE STATISTICS KERALA 2014-15

Irrigation



Communication



DEPARTMENT OF
ECONOMICS & STATISTICS



Government of Kerala

Report on
Infrastructure Statistics 2014-15

Department of Economics and Statistics,
Government Kerala
2017

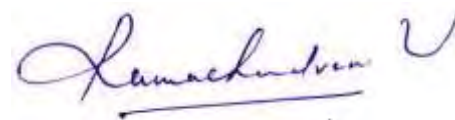
P R E F A C E

It is necessary to widen the infrastructure of the State, lack of which is the most important barrier to the development of the economy. It is inevitable to evaluate the present status of the infrastructure to evaluate it. This report provides a single comprehensive and reliable statistics for the variants such as transport, energy, communications and water infrastructure. I hope that this report will help the policy makers and to researchers who are working in this field make assessment of availability, gap and fixing capital expenditure in infrastructure sector is played a vital role in moving economy forward by creating employment and demand. Further infrastructure development is the prerequisite for attract private investment. In this context collection, compilation and presentation of infrastructure statistics in a user friendly manner is very much demanded.

I express my deep gratitude to all the data source agencies for their active co-operation, contribution and support extended without which it would have not been possible to this department to bring out the publication and in its present form.

I appreciate the officers of I & ES Wing in the Publication Division for their efforts for the collection, compilation and tabulation of the data under the leadership of Sri. P.V. Babu, Additional Director (General), who has taken special effort of this publication bringing out and Sri. V.P. Saraphudeen, Joint Director (PPC); Sri. Rajendra Prasad R.S., Assistant Director (PPC); Sri. S.Saseendran, Scrutiny Officer; Smt. Sreelatha S.O., Research Assistant and Smt. Sindu Mol K.G., Statistical Assistant of I & ES Division of this Department and those who have dedicated their valuable time in the preparation of this report.

Suggestions, if any, to improve the quality, contents and presentation of this publication are most welcome.



V. RAMACHANDRAN
Director General

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Chapter 1

INTRODUCTION

Infrastructure of a State is an indicator of the state's development graph. It is the basic requirement which facilitates the economy's ability to expand trade, connects goods to market workers to industry, proper in rural areas to urban growth centres, lower costs, expand markets and facilitate trade.

The prima facie assessment of a state's economic development is basically depended on its infrastructure which supported economic growth through more labour productivity, reducing cost of production, more profitability production, income and employment.

Roads, Bridges, tunnels, airport, seaport, electricity, telecommunication, water supply and sanitation, etc come under the purview of the definition of infrastructure. The data presented in this report is an assimilated compilation of data through secondary sources from implementing departments and other official agencies.

This sector occupies a crucial role in the overall development of the economy. The Department of Economics and Statistics have initiated to produce infrastructure statistics is a meaningful way to access the condition of the existing assets, evaluate the extract to which the infrastructure meets current demand, assess whether infrastructure presently available to meet demand in the future and to compare the infrastructure availability and other regions and districts.

The data presented in this report is in eight chapters covering the area of transport, energy, mining, communication, irrigation, drinking water supply, sanitation and storage facilities.

2. TRANSPORT

Kerala has a well developed road, rail, air and inland water transport network. It facilitate easy access to markets, provide employment and investment opportunities with growing population there is need to provide making transport infrastructure to avoid overcrowding, overloading and poor maintenance of existing infrastructure. It is estimated that Kerala has a total road network of 3.31 Lakhs Km and railway network comes to about 1148 Kms, 1087 Kms of inland waterways, 111 statute miles of airways and 17 ports.

Even though the road network of Kerala stands par above the national average, its overcrowded vehicular population demanding good all whether roads capable to sustain constant rains, floods & landslides. The responsibility of the construction and maintenance of the road in the state are vested with PWD & LSGD, Forests and Wildlife Conservation Department, Irrigation Department, Railways, KSEB & National High Ways Authority of India.

(2.1) Road Transport

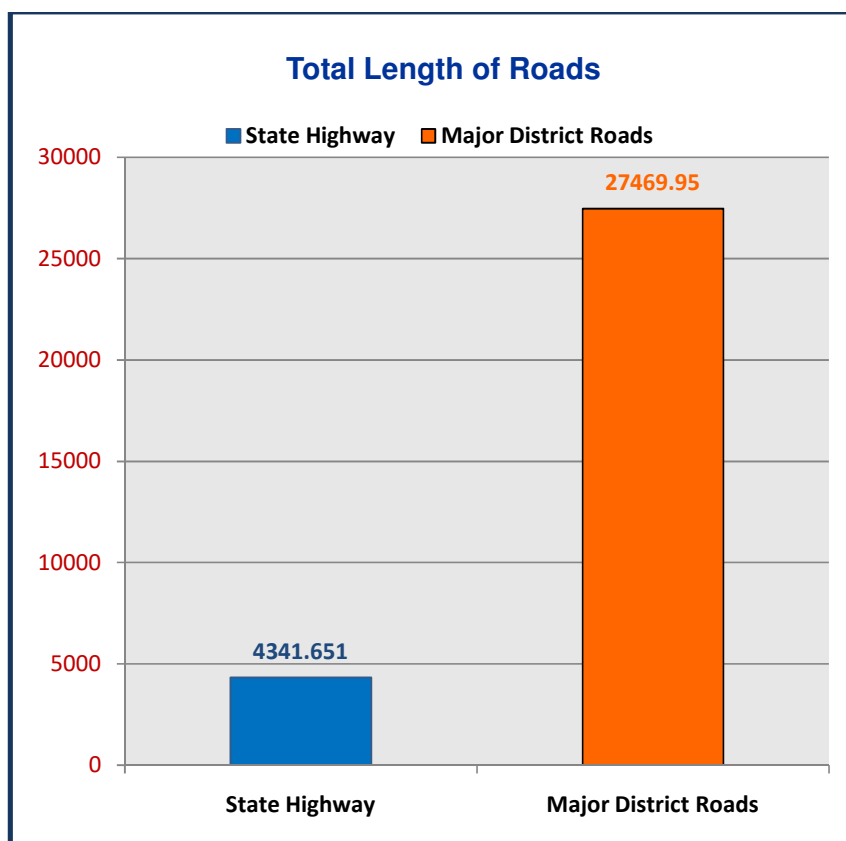
Road Transport is the most commonly used mode of transport in Kerala. Railway network connects all the districts in the State except the hill-locked and high range districts of Idukki and Wayanad. The agency wise construction and maintenance of the roads during 2014-15 is:

Agency wise distribution of Roads in Kerala during 2014-15

Sl. No.	Name of Department	2013-14		2014-15	
		Length (Km)	Percentage	Length (Km)	Percentage
1	Panchayats	265421.120	80.00	306341.824	82.24
2	PWD (R&B)	31811.601	9.6	31811.601	9.6
3	Municipalities	18411.870	5.6	18411.870	4.94
4	Corporations	6644.000	2.00	6644.000	1.78
5	Forests & Wildlife Conservation Department	4575.770	1.5	4575.770	1.23
6	Irrigation Department	2611.900	0.79	2611.900	0.70
7	National Highway Authority	1568.000	0.47	1747.251	0.48
8	Others (Railways, KSEB)	328.000	0.09	328.000	0.90
Total		331372.261	100.00	372472.216	100.00

The total road network comes to 372472.216 Km. The roads in Kerala are constructed and maintained by Grama Panchayaths comes around 82.24%, PWD maintained 8.54% and Municipalities and Corporations together constitute 6.72%. The Forests and Wildlife Conservation Department, Irrigation Department, National Highway Authority & Other agencies together maintain 2.5% of roads in the State.

The length of roads maintained by Panchayath increased to 2.24% compare to the previous year 2013-14 whereas those maintained by Municipalities and Corporations recorded a decrease from the previous year at 0.66% and 0.22% respectively.



The number of registered motor vehicles in Kerala has shown a manifold increase and has now reached 9421245 numbers in comparison to 8547966 numbers in the previous year. The rate of increase is 10%. It is a notable fact that the length of the PWD roads had not kept in pace with the increase in the number of vehicles over the years. The deterioration in the quality of roads is because of the lack of periodical maintenance which ought to have done in accordance with the changing climatic conditions in the State.

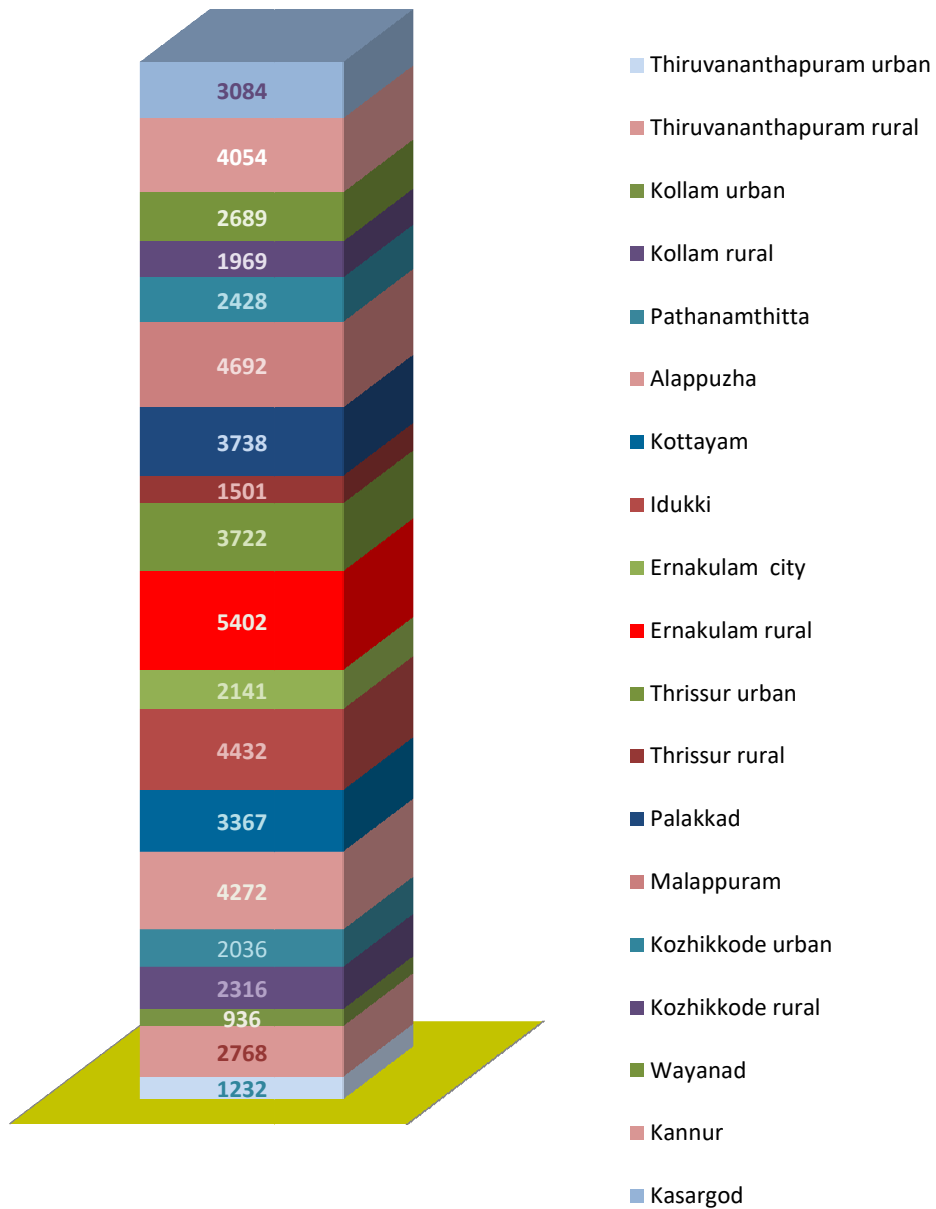
The total outlay in transport sector during the year 2014-15 showed a predominant increase over the previous year. The alarming rate of increase of vehicles on the road was not complemented with the required development for the construction and maintenance of roads and the transport system. This has led to increase in the rate of accidents on the road (Table 2.1.4) by 14%.

Motor Vehicle Accidents

During the year 2014-15, 37253 road accidents were reported in the State. The number of accidents involve in KSRTC buses are 1218, two wheelers are 29963, autorikshaws were 6529 involved in accidents during the year 2014-15.

The total numbers of vehicles having valid registration in Kerala during 2014-15 are 9421245. Two wheelers were the forerunners in the case of registration 5828817 Nos. About 873279 vehicles were newly registered in the State including transport and non transport vehicles. Ernakulam district registered the highest number of new vehicles with 137752.

District wise road Accidents during the year 2014 -15



(2.2) KSRTC

In Kerala, Kerala State Road Transport Corporation which is a Government undertaking plays the key role in transport sector. KSRTC owns 5629 buses in 2014-15. This is less in number compared to the previous year (5860 Nos.)

(2.3) Water transport

Kerala is blessed with large areas of coastal belt as well as lakes and backwaters. Kerala has also well formed natural ports and harbours. Hence the state possess ample scope for inland navigation since it is one of the cheapest mode of transport. Steps have been taken to tap this potential and also with a view to develop tourism, this sector is given high priority. In districts, Kollam & Alappuzha a major source of transportation facility are boats and jhankars. The important ports of Kerala are Azheekal, Thalassery, Kozhikkode, Ponnani, Kodungalloor, Alappuzha, Kollam and Vizhinjam.

Inland water ways including navigable rivers are 1687 Kms in the state. Along with the state coastline of 585 kms. Kerala has one major port in Kochi & 17 minor ports (3 intermediate and 14 minor ports) Cochin port is the only major port in Kerala and one of the largest in India. It is spread over 827 Hectres. A water frontage of 7.5 kms. The port is governed by Cochin Port Trust under Government of India. Intermediate and minor ports are under the administrative control of the Director of Ports, Thiruvananthapuram and Regional Offices located at Neenadakara, Alappuzha and Kozhikkode. Kerala State Water Transport Department provides inland water transport facilities in the districts of Alappuzha, Kottayam, Kollam, Ernakulam, Kannur and Kasaragod.

The State Water Transport Department and Kerala Shipping and Inland Navigation Corporation Limited are the two agencies entrusted to operate the system.

As per the records of the State Water Transport Department, the total distance of cargo carried in 2014-15 has increased (29114 Kms) whereas it was 28344 kms in 2013-14 as per the Kerala Shipping & Inland Navigation Corporation Ltd.. Its figures also show that the volume of cargo carried has also decreased from 208253 tonnes in 2013-14 to 179585 tonnes in 2014-15.

Total passengers who utilized water transport during the year 2014-15 has been low compared to that of the previous year. In 2013-14, the passenger using this mode was 142.86 lakh whereas it is only 130-54 lakhs in 2014-15.

The total number of steamers and sailing vessels in the minor ports of Kerala during 2014-15 are 558 numbers and the total tonnage handed during the period is 1578711.51 tonnes.

(2.4) Rail Transport

The Railway network in Kerala consists of two divisions, Thiruvananthapuram Division and Palakkad Division. The total track Kilometre of Thiruvananthapuram Division for the year 2014-15 is 942.26 Km of broad-gauge. The level crossings in the division numbered to 380. There are 107 stations in Thiruvananthapuram Division. About 616 Mail/Express trains run per week in this Division and the passenger trains were about 511 numbers.

(2.5) Air Transport

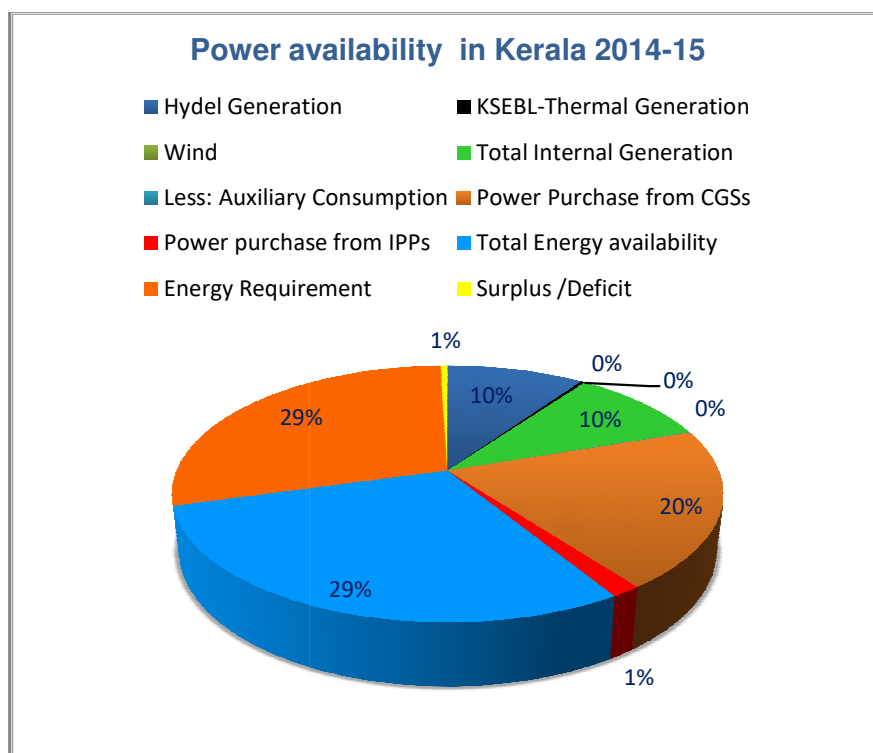
Thiruvananthapuram, Kochi and Kozhikkode airports operate air services to major cities in India and also to international destinations. Air transport plays a significant role to provide connectivity to major cities within the country and abroad.

3 ENERGY

Three main source of power generation are used in the state-hydel, wind and thermal. The state is blessed with hydel potential and hydro electric power plants

generally ranging from 100KW to several hundred Mega Watts. KSEB was established under the Department of Power in Kerala Government. The Board is responsible for the physical and financial improvement of the sector. KSEB manages the production, control and transmission of electrical energy from the hydro electric power projects.

The total installed capacity of KSEB is 2835.68 MW during 2014-15. 11064 Circuit Km lines of transmission infrastructure is owned by KSEB. In the year 2014-15, 7.69% increases have been recorded in the transmission infrastructure. The hydel project is the main source of energy in the State (2024.15 MW).



During this year 11430895 consumers under domestic and commercial connections and the connected load was 20391.53 MW.

4 MINING & GEOLOGY

In the year 2014-15, quarrying permit were issued to 4164 units, dealer's licence given to 1514 and the license for registered metal crusher units was issued to 199 units. 6892 quarrying permits were issued totally during this period in the state for Granite, Laterite, Brik clay, ordinary sand and ordinary earth.

The total production in the case of major minerals during the period was 1872702 tonnes and minor minerals was 35934351 tonnes. Altogether 37807053 tonnes of mineral with royalty of 7059.91 lakhs were produced in the state. An area of 2233.3681 hectares were covered by mining leases.

Kerala has an abundant resources of good quality minerals such as heavy mineral sands. But mining in the state is limited to only a few minerals like heavy mineral sands, china clay and limestone/lime shell, silica sand and granite. The various mineral based industries in the state depend on these deposits. The estimated available mineral reserves with their occurrence and use are given in the tables.

5 COMMUNICATION

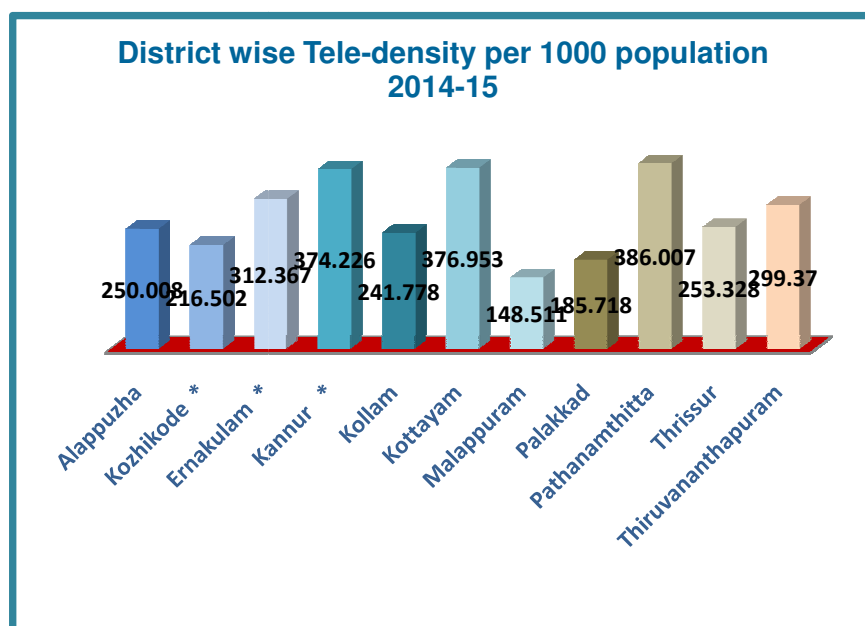
Communication plays a vital role in the all round development of a nation. In Kerala, almost all the modern means of communications are available. The various communication facilities like postal communication, telephone, news papers and periodicals, radio and television, internet, mobile phones, etc. are available even in the village level.

Kerala has a well developed postal network in India. There are 5068 post offices spread throughout the State. Even the remotest areas have postal facilities in the state. There are 862 post offices in the urban area and 4206 in the rural region.

Telephone Network

The State has a well developed telephone network. Altogether there are 1286 telephone exchanges in the state with an equipped capacity of 10742162 lines. The tele-density in the state is 267 per thousand populations during this year. The

estimated number of landline phones during this year is 2484459, 200027 WLL and 6284889 mobile phone connections. The state do have a vivid information technology portfolio which do a great contribution in formulating technological reforms and for its up gradation to cope with the continuously changing information technology scenario of the world. There are also 2418 Akshaya Centres working in the state during 2014-15 employing 7254 persons, which acts as a facilitation centre to the technological initiatives and public utility services to various Government Departments.



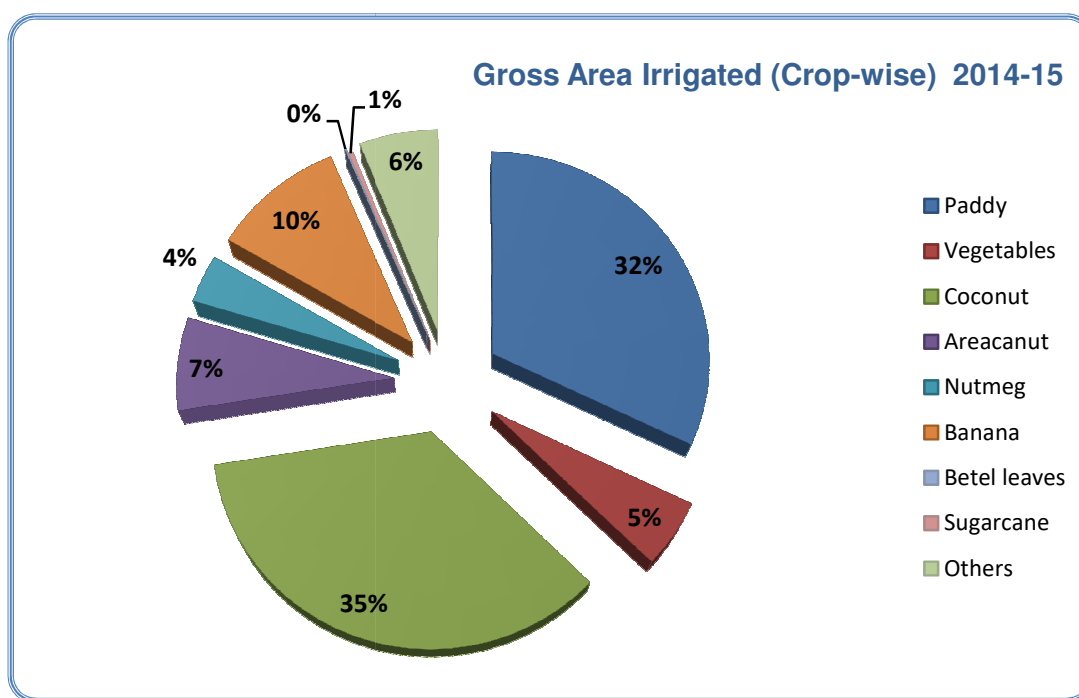
6 IRRIGATION

Kerala is basically an agrarian economy. The agriculture in the state is purely depended on the climatic condition. Kerala receives abundant rainfall from the monsoon period from June to August and from October to November. The rest of the year experience mostly dry weather. The major hurdle faced by the state is that even-though the state receives huge amount of rainfall during rainy season, due to its geographic position bulk of the water drains into the sea within 48 hours.

The best and most reliable method is the construction of storage reservoirs for collecting the rain water during monsoon for uses during the periods when there is

shortage of water. These projects can be utilized for irrigating cultivable land. First significant attempt to supply water on controlled basis was through lift irrigation scheme constructed in 1942. Malampuzha irrigation project in Palakkad district is the first major irrigation system in Kerala. The project consists of a dam constructed across the river Malampuzha, a tributary of Bharathapuzha and a network of canal system to irrigate an area of 21245 hectare. The dam is straight gravity type masonry structure with an earthen saddle, completed in 1966. It provides drinking water for Palakkad municipality and 6 adjacent panchayaths. Rainwater harvesting has also become popularly and simple technology to store and use rainwater economically.

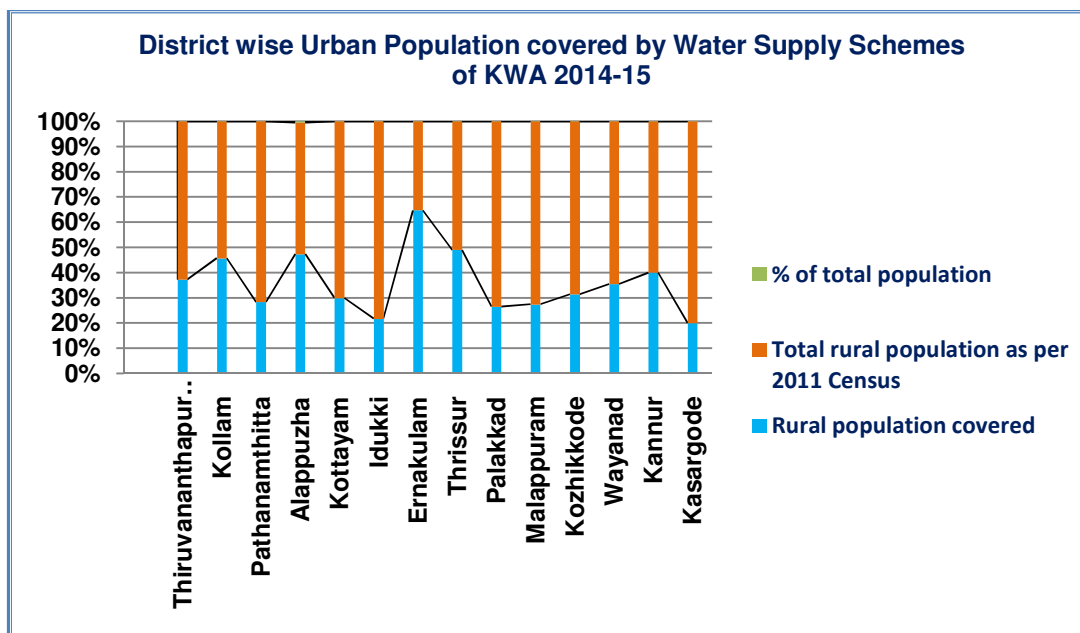
Kerala has total irrigated area of 469647 hectare during the year 2014-15.



7 DRINKING WATER SUPPLY AND SANITATION

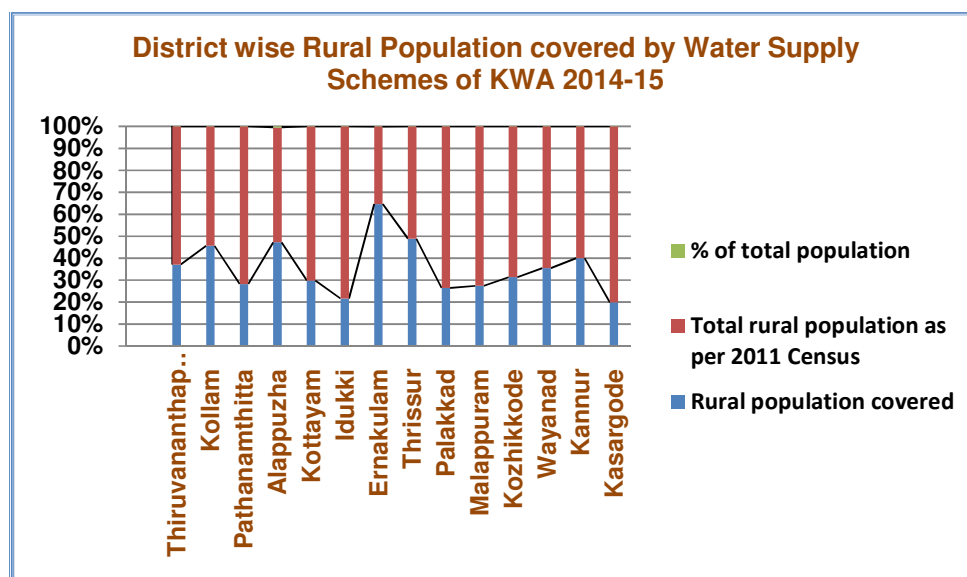
Safe drinking water, its supply and proper sanitation are basic requirements of a society. Government of India as well as State Government are committed to provide safe water to the people. Safe drinking water not only reduces the risk due to water born diseases but also enhance the quality of life.

Kerala Water Authority is an autonomous body established for the development and regulation of water supply and waste water collection and disposal in the state.



In Kerala, 44.2% of the population is covered by water supply schemes of Kerala Water Authority during 2014-15, 26.32% of the urban population and 60.17% of the rural population are beneficiaries of these scheme. All together there are 1263 drinking water supply schemes in the state both in rural and urban area.

During this year in all the categories domestic, non domestic and industrial, the total number of connections are 1849825 Numbers. There are 206955 street taps altogether in the state.



46.6% of the population receives drinking water within their premises, 35.8% have facility near their premises and only 17.6% drinking water sources available far away from their residence.

8 STORAGE FACILITY

The storage function assumes paramount importance in organization such as Food Corporation of India because of its requirement to hold huge inventory of food grains over a significant period of time. Adequate scientific storage is pre-requisite to fulfill the policy objectives assigned to the Food Corporation of India for which FCI has a network of strategically located storage depots including silos all over India. Besides having own storage capacity, FCI has hired storage capacities from Central Warehousing Corporation, State Warehousing Corporations, State Agencies and Private Parties for short term as well as for guaranteed period under Private Entrepreneurs Guarantee Scheme.

In the year 2014, 517696 tonnes of food grains were stored in the FCI, Kerala Region. Kerala has well organized Public Distribution Systems which ensure reasonable supply of cereals to the public. As on 2014-15, there were 8313107 ration card holders in Kerala. There were 22 FCI sub depots are on 1st April 2014. The total wholesale shops including Co-Operatives, Supplyco and other outlets were 330 and there were 14331 retail shops.

During this year 1328835 MTs of rice, 178976 MTs of Wheat, 94077 KLs of Kerosene and 55255 MTs of sugar were distributed through the PDS. The Civil Supplies Corporation in Kerala opened 41 outlets during this year.

In the case of two prominent projects of PDS are AAY and ANP, the percentage off take of rice against allotment during this year was 96.52% and 124% respectively.

Chapter 2

TRANSPORT

TABLE 2.1.1

**MAJOR DEVELOPMENT INDICATORS OF TRANSPORT & COMMUNICATION
SECTOR FROM 2010-14**

Sl. No	Item	Unit	2010	2011	2012	2013	2014
1	2	3	5	6	7	8	9
1	Road Length(PWD)	KM	23241.709	23241.709	31811.6	31811.6	31811.6
2	Motor Vehicle	No.	5397652	6072019	6870354	8547966	9421245
3	Buses owned by KSRTC	No.	5402	5741	5803	5860	5629
4	Railway Route Length	KM	1198.9	1257	1257	1257	1257
5	Flight Operated (Domestic & International)	No.	73208	73208	82010	66122	68119
6	Boat/ Junkars operated by SWTD	No.	81	92	95	97	95
7	Route Distance by SWTD	KM	6730	6890	6890	6890	6890
8	Post offices	No.	5070	5067	5068	5068	5068
9	Telephone Exchanges	No.	1246	1245	1245	1269	1269

Source: Economic Review 2015

TABLE 2.1.2

**THE OUTLAY AND EXPENDITURE IN THE TRANSPORT SECTOR DURING
2013-14 & 2014-15 (₹ LAKHS)**

Sl No	Sub Sectors	Annual Plan 2013-14			Annual Plan 2014-15		
		Outlay	Expenditure	% of Expdt.	Outlay	Expenditure	% of Expdt
1	Port Department	7869.00	4534.10	57.62	9869.00	4699.13	47.62
2	Roads and Bridges	85515.00	124583.64	145.69	83641.00	131660.27	157.41
3	Road Transport	7485.00	6965.76	93.06	10226.00	7578.57	74.11
4	Inland Waterways	13643.00	3451.73	25.30	14342.00	3632.23	25.33

Source: Economic Review 2015

TABLE 2.1.3

AGENCY WISE DISTRIBUTION OF STATE ROADS IN KERALA DURING 2014-15

Sl. No	Name of Department	Length (Km)	Percentage
1	Panchayaths	306341.824	82.24
2	PWD (R&B)	31811.601	8.54
3	Municipalities	18411.870	4.94
4	Corporations	6644.000	1.78
5	Forests	4575.770	1.23
6	Irrigation	2611.900	0.70
7	National Highway	1747.251	0.48
8	Others (Railways, KSEB)	328.000	0.09
Total		372472.216	100.00

TABLE 2.1.4
NATIONAL HIGHWAYS IN KERALA 2014-15

Sl. No.	New No.	Existing No.	From	To	Length of New NH No. in Kerala Kms	
1	66	NH 17	Thalappadi	Edappally	420.777	669.437
		NH 47	Edappally	Kaliyikkavila	248.660	
2	544	NH 47	Valayar	Edappally		160.000
3	85	NH 49	Bodimettu	Kundanoor		167.610
4	744	NH 208	Kollam	Kazhuthuruthy		81.280
5	766	NH 212	Kozhikode	Sultan Bathery		117.600
6	966	NH 213	Kozhikode	Palakkad		125.304
7	183	NH 220	Kollam	Kumali		190.300
8	966 B	NH 47 A	Wellington Island	Kundanoor		5.920
9	966 A	NH 47 C	Vallarpadam	Kalamassery		17.000
10	183 A	-	Bharanikkavu	Mundakkayam		116.800
11	185	-	Adimaly	Chelimadu		96.000
Total						1747.251

Source: Economic Review 2015

TABLE 2.1.5**DISTRICT WISE AND CATEGORY WISE LENGTH OF ROADS MAINTAINED BY PWD 2014-15 (IN KMS)**

Sl.No.	Name of District	State Highway	Major District Roads	Total
1	2	3	4	5
1	Thiruvananthapuram	180.360	2420.430	2600.790
2	Kollam	123.790	2055.570	2179.360
3	Alappuzha	170.841	1303.120	1473.961
4	Pathanamthitta	249.194	1790.570	2039.764
5	Kottayam	406.531	3042.770	3449.301
6	Idukki	998.372	1853.390	2851.762
7	Ernakulam	325.206	2815.550	3140.756
8	Thrissur	374.033	1681.73	2055.763
9	Palakkad	245.987	1926.800	2172.787
10	Malappuram	374.764	2301.130	2675.894
11	Kozhikkode	377.173	2063.930	2441.103
12	Wayanad	128.955	900.350	1029.305
13	Kannur	244.665	2013.230	2257.895
14	Kasargod	141.780	1301.380	1443.160
Total Length		4341.651	27469.95	31811.601

Source: Economic Review 2015

TABLE 2.1.6

TYPE OF ROADS MAINTAINED BY P.W.D. 2014-15 (IN KMS)

Sl. No	Name of District	Cement Concrete	Black Topped	Water Bound Mecadam	Others	Total
1	Thiruvananthapuram	0	2557.572	12.978	30.24	2600.790
2	Kollam	0	2172.463	6.897	0	2179.360
3	Alappuzha	0	1398.883	39.785	35.293	1473.961
4	Pathanamthitta	0	1990.601	29.650	19.513	2039.764
5	Kottayam	0	3346.194	25.640	77.467	3449.301
6	Idukki	0	2611.505	22.407	217.850	2851.762
7	Ernakulam	0.464	2970.932	60.715	108.645	3140.756
78	Thrissur	3.391	2037.372	15.000	0	2055.763
9	Palakkad	0	2097.347	41.940	33.500	2172.787
10	Malappuram	0	2522.754	122.650	30.490	2675.894
11	Kozhikkode	0	2426.663	14.440	0	2441.103
12	Wayanad	0	983.523	25.600	20.182	1029.305
13	Kannur	2.800	2210.576	4.386	40.133	2257.895
14	Kasargod	0	1418.010	25.150	0	1443.160
Total		6.655	30744.395	447.238	613.313	31811.601

Source: Economic Review 2015

TABLE 2.1.7

NUMBER OF BRIDGES AND CULVERTS IN PWD ROADS AS ON 2014-15

Sl.No.	Item	State Highways	Major District Roads	TOTAL
1	2	3	4	5
1	Total No. of Bridges	648	1605	2253
2	No. of unsafe Bridges	45	46	91
3	Total No. of Culverts	11520	39880	51400
4	No. of Unsafe Culverts	378	887	1265

Source: Economic Review 2015

TABLE 2.1.8

DISTRICT WISE/ CATEGORY WISE/SURFACE WISE LENGTH OF ROADS MAINTAINED BY P.W.D. 2014-15 (IN KM²)

Sl. No.	District	State Highway				Major District Roads				Total Roads
		C.C	B.T	WBM	Others	C.C	B.T	WBM	Others	
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	0	180.360	0	0	0	2377.212	12.978	30.240	2600.790
2	Kollam	0	123.790	0	0	0	2048.673	6.897	0	2179.360
3	Alappuzha	0	170.841	0	0	0	1228.042	39.785	35.293	1473.961
4	Pathanamthitta	0	249.194	0	0	0	1741.407	29.650	19.513	2039.764
5	Kottayam	0	406.531	0	0	0	2939.663	25.640	77.467	3449.301
6	Idukki	0	978.372	0	0	0	1633.133	22.407	197.850	2851.762
7	Ernakulam	0	325.206	0	0	0	2645.726	60.715	108.645	3140.755
78	Thrissur	3.391	370.642	0	0	0	1666.730	15.000	0	2055.763
9	Palakkad	0	230.237	1.250	0	0	1867.110	40.690	19.000	2172.787
10	Malappuram	0	374.764	0	0	0	2147.990	122.650	30.490	2675.894
11	Kozhikkode	0	377.173	0	0	0	2049.490	14.440	0	2441.103
12	Wayanad	0	126.955	2.000	0	0	856.568	23.600	20.182	1029.305
13	Kannur	2.800	241.865	0	0	0	1968.711	4.386	40.133	2257.895
14	Kasargod	0	141.780	0	0	0	1276.230	25.150	0	1443.160
Total		6.191	4297.710	3.250	0	0.464	26446.685	443.988	578.813	31811.601

Source: Economic Review 2015

C.C. Cement Concrete; B.T. Black Topped, W.B.M. Water Bound Macadam

TABLE 2.1.9
DISTRICT WISE GROWTH OF MOTOR VEHICLES DURING 2010-11 TO 2014-15

Sl. No	District	No of Motor Vehicles				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	Thiruvananthapuram	799220	896681	971104	1066318	1175647
2	Kollam	457960	523739	600042	600398	661896
3	Pathanamthitta	258064	294860	314668	340619	375598
4	Alappuzha	421246	478641	531940	561495	618697
5	Kottayam	445940	497638	551517	550237	606121
6	Idukki	105468	124528	141497	194107	212784
7	Ernakulam	985267	1103542	1238040	1467028	1617972
8	Thrissur	636754	706674	763501	895730	987444
9	Palakkad	397134	446083	670461	588140	647896
10	Malappuram	501855	572164	688191	739133	814962
11	Kozhikkode	507297	583519	570267	757103	834769
12	Wayanad	73362	84007	426014	117466	129092
13	Kannur	332989	383166	280026	464885	512320
14	Kasargode	149463	175112	295273	205307	226047
Total		6072019	6870354	8042541	8547966	9421245

TABLE 2.1.10

CATEGORY-WISE GROWTH OF MOTOR VEHICLES IN KERALA 2010-11 TO 2014-15

Sl. No.	Type of Vehicles	2010-11	2011-12	2012-13	2013-14	2014-15
I	Goods vehicle					
1	Four wheeler and above	294395	322450	354296	373218	411347
2	Three wheelers including Tempos	117266	128452	206901	140278	154610
II	Buses					
1	Stage carriages	19897	21457	34161	28356	31286
2	Contract Carriages/Omni/Buses	119150	124290	137731	132144	145645
III	Cars and Station Wagons					
1	Cars	1060861	1226691	1358728	1538246	1702926
2	Taxi Cars	163407	175638	128250	194358	214214
3	Jeeps	73700	73700	74167	73700	73700
IV	Three Wheelers including Tempos					
1	Auto Rickshaws	518741	575763	602547	663241	730999
2	Motorised Cycle Rickshaws	61	0	0	0	0
V	Two Wheelers					
1	Motorised Cycles	1017	0	0	0	0
2	Scooter/ Motor Cycles	3610838	4127227	5041495	5288529	5828816
VI	Tractors	12224	13740	14183	15030	15297
VII	Tillers	5335	5399	5399	5414	5967
VIII	Trailers	2324	2407	2744	2411	2657
IX	Others	46106	68325	88071	93011	103781
Total		6045322	6865539	8048673	8547966	9421245
Percentage increase over the previous year		18%	14%	17%	6%	10%

Source: Economic Review 2015

TABLE : 2.1.11
MOTOR VEHICLE ACCIDENTS IN KERALA BY PRIMARY CAUSES OF ACCIDENTS DURING 2014-15

Sl. No	District	Fault of Driver of Motor Vehicles	Fault of Driver of other than Motor vehicles	Fault of Cyclist	Fault of Pedestrian	Fault of Passenger	Defect of Motor vehicles	Defect of Road surface	Bad Weather Condition	Other Causes	Causes not known	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Thiruvananthapuram (U)	1959	0	0	0	0	0	0	0	70	0	2029
2	Thiruvananthapuram (R)	2612	0	0	0	0	0	0	0	120	0	2732
3	Kollam urban	1686	0	0	0	0	0	0	0	45	0	1731
4	Kollam rural	1251	0	0	0	0	0	0	0	59	0	1310
5	Pathanamthitta	1522	0	0	0	0	0	0	0	37	0	1559
6	Alappuzha	3028	0	0	0	0	0	0	0	42	0	3070
7	Kottayam	2474	0	0	0	0	0	0	0	34	0	2508
8	Idukki	997	0	0	0	0	27	0	0	13	0	1037
9	Ernakulam (City)	2334	0	0	0	0	0	0	0	31	0	2365
10	Ernakulam (Rural)	3447	0	0	0	0	0	0	0	47	0	3494
11	Thrissur (U)	1375	0	0	0	0	0	0	0	6	0	1381
12	Thrissur (R)	2819	0	0	0	0	0	0	0	35	0	2854
13	Palakkad	2258	0	0	0	0	0	0	0	35	0	2293
14	Malappuram	2714	0	0	0	0	19	0	0	12	0	2745
15	Kozhikkode (U)	1294	0	0	0	0	0	0	0	12	0	1306
16	Kozhikkode (R)	1501	0	0	0	0	0	0	0	9	0	1510
17	Wayanad	628	4	0	0	0	0	0	0	6	0	638
18	Kannur	1857	0	0	0	0	0	0	0	7	0	1864
19	Kasargod	823	0	0	0	0	1	0	0	3	0	827
Total		36579	4	0	0	0	47	0	0	623	0	37253
Total Percentage		98.19	0.01	0	0	0	0.13	0	0	1.67	0	100

Source: Economic Review 2015

TABLE : 2.1.12

CATEGORY WISE DETAILS OF MOTOR VEHICLES INVOLVED IN ROAD ACCIDENTS FOR THE YEAR 2014 -15

Sl. No	District	KSRTC Buses	Other Buses	Goods Vehicles	Motor cars	Jeeps	Auto Rickshaw	Two Wheelers	Miscellaneous Vehicle	Class not known	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram (U)	104	40	44	596	19	317	1914	43	7	3084
2	Thiruvananthapuram (R)	140	80	87	636	38	471	2506	81	15	4054
3	Kollam urban	71	106	73	474	23	237	1593	102	10	2689
4	Kollam rural	65	80	63	361	36	278	1035	46	5	1969
5	Pathanamthitta	67	110	69	464	37	334	1277	57	13	2428
6	Alappuzha	113	150	153	945	11	439	2637	229	15	4692
7	Kottayam	87	231	161	828	75	447	1840	52	17	3738
8	Idukki	43	79	35	300	114	273	626	27	4	1501
9	Ernakulam (City)	74	281	139	849	11	309	1889	156	14	3722
10	Ernakulam rural	112	271	264	945	57	484	3084	168	17	5402
11	Thrissur (U)	31	156	78	431	18	266	1101	49	11	2141
12	Thrissur (R)	49	233	162	907	32	451	2381	187	30	4432
13	Palakkad	34	222	189	579	49	452	1753	66	23	3367
14	Malappuram	71	351	217	861	130	641	1879	104	18	4272
15	Kozhikkode (U)	29	225	88	386	32	173	1053	37	13	2036
16	Kozhikkode (R)	32	202	129	386	85	281	1140	52	9	2316
17	Wayanad	34	44	25	208	53	131	423	9	9	936
18	Kannur	39	255	115	590	52	367	1255	84	11	2768
19	Kasargod	23	52	70	280	27	178	577	23	2	1232
Total		1218	3168	2161	11026	899	6529	29963	1572	243	56779
Total Percentage		2.15	5.58	3.81	19.42	1.58	11.50	52.77	2.77	0.43	100.00

Source: Economic Review 2015

TABLE : 2.1.13
NO. OF REGISTERED MOTOR VEHICLES IN KERALA 2014-15

Sl. No.	District	Goods vehicles		Buses		Four Wheelers			Three Wheelers	Two Wheelers	Tractors / Trailors				Total
		Four Wheelers & above	Three wheelers including tempos	Stage Carriages	Contract carriages/ Omni buses	Cars	Taxis	Jeeps	Auto rickshaws	Scooter/Motor cycles	Tractors	Tillers	Trailers	Others	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	32817	14618	12141	8062	198766	32466	8115	75882	766635	634	246	146	25119	1175647
2	Kollam	24996	6344	1022	3463	103195	15889	3115	40875	460477	136	65	46	2273	661896
3	Alappuzha	14282	1363	1042	2217	56959	2427	2456	20397	263659	279	89	13	10415	375598
4	Pathanamthitta	25488	11802	1053	8613	61193	13191	3225	51491	438587	1176	414	120	2344	618697
5	Kottayam	31010	12263	1793	14565	84588	19996	5756	80149	353944	524	609	226	698	606121
6	Idukki	10399	2990	457	1334	24508	3792	11789	26035	125620	1276	222	156	4206	212784
7	Ernakulam	76846	19686	2793	22943	320960	36753	7256	96887	1004536	1380	151	408	27373	1617972
8	Thrissur	36656	15682	2156	14231	191270	24536	4612	74093	621106	829	846	368	1059	987444
9	Palakkad	29536	12424	1290	3903	86633	9103	3210	69300	426320	3000	1384	276	1517	647896
10	Malappuram	38298	33254	2335	36061	160835	25869	5454	64574	427459	1778	523	152	18370	814962
11	Kozhikkode	34514	9716	2002	5072	209549	3894	5015	51821	510286	1339	16	111	1434	834769
12	Wayanad	5744	2015	533	576	26532	4132	4116	6765	74163	1135	345	28	3008	129092
13	Kannur	39700	10203	2142	23525	113566	15920	5346	51037	242881	1038	330	249	6383	512320
14	Kasargod	11063	2249	527	1081	64371	6248	4235	21694	113144	769	174	112	380	226047
	Total	411349	154609	31286	145646	1702925	214216	73700	731000	5828817	15293	5414	2411	104579	9421245

Source: Economic Review 2015

TABLE 2.1.14
NEWLY REGISTERED VEHICLES (DISTRICT WISE) FOR 2014-15

Sl No.	Classification of Vehicles	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Ernakulam	Trissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasargode	NS	TOTAL
	Transport Vehicles																
1	Multi Articulated Vehicles	25	7	0	7	16	9	37	0	11	25	9	2	7	5	0	160
2	Trucks and Lorries	544	372	37	367	392	299	559	347	444	419	307	90	150	132	0	4459
3	Four Wheelers	1360	863	578	661	813	214	1427	1086	974	1269	1128	282	1336	588	0	12579
4	Three Wheelers	698	367	228	314	203	91	946	459	340	785	380	115	573	266	0	5765
	Total	2627	1609	843	1349	1424	613	2969	1892	1769	2498	1824	489	2066	991	0	22963
5	Stage carriages	42	46	43	46	69	24	84	78	70	101	73	26	97	47	249	1095
6	Contract Carriages	422	165	366	197	290	80	631	397	381	416	124	29	104	64	0	3666
7	Private vehicles	61	34	14	6	15	13	30	10	5	13	6	1	10	5	0	223
8	Other buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	525	245	423	249	374	117	745	485	456	530	203	56	211	116	249	4984
9	Motor Cabs	1289	719	671	861	1197	220	1568	1096	582	1126	603	224	439	301	0	10896
10	Maxi Cabs/Taxi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Other Taxis	25	11	7	16	23	6	47	14	11	34	10	16	23	13	0	256
12	NMV -3 seater	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NMV 4-6 seater	3698	1798	1179	1678	1769	569	5399	1697	1426	2365	1665	669	2135	1724	0	27771

Table 2.1.14 Newly Registered vehicles (District wise) for 2014-15 (Contd....)

Sl No.	Classification of Vehicles	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Ernakulam	Trissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasargode	NS	TOTAL
14	Motor Vehicle (rent)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	5012	2528	1857	2555	2989	795	7014	2807	2019	3525	2278	909	2597	2038	0	38923
	Other Vehicles	73	45	13	48	26	17	75	47	21	25	41	20	12	15	0	478
	Total Transport	8237	4427	3136	4201	4813	1542	10803	5231	4265	6578	4346	1474	4886	3160	249	67348
15	Scooter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Moped	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Motorcycles	75180	57165	27629	41950	33886	10665	101745	51747	44349	65916	49350	8227	44344	13811	0	625964
	Total	75180	57165	27629	41950	33886	10665	101745	51747	44349	65916	49350	8227	44344	13811	0	625964
18	Cars	21705	11055	5046	10123	14176	4215	24593	11963	11181	15857	18070	2536	14328	9886	0	174734
19	Jeeps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Omni buses	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
21	Tractors	6	6	2	14	38	9	16	41	23	52	11	13	23	14	0	268
22	Trailers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Others	111	244	221	291	440	131	592	460	387	446	488	245	508	398	0	4962
	Total	21822	11305	5269	10428	14654	4355	25204	12464	11591	16355	18569	2794	14859	10298	0	179967
	Total Non-Transport	97002	68470	32898	52378	48540	15020	126949	64211	55940	82271	67919	11021	59203	24109	0	805931
	Grand Total	105239	72897	36034	56579	53353	16562	137752	69442	60205	88849	72265	12495	64089	27269	249	873279

2.2 KERALA ROAD TRANSPORT CORPORATION

TABLE 2.2.1

DETAILS OF BUSES OWNED BY KSRTC 2008-2015

Year	Total No. of Buses	No. of New Buses
2008	4893	517
2009	5119	701
2010	5402	630
2011	5741	714
2012	5803	209
2013	5812	485
2014	5860	332
2015	5629	173

Source: Economic Review 2015

TABLE 2.2.2

AGE WISE DETAILS OF VEHICLES OWNED BY KSRTC 2014-15

Sl.No.	Buses	2014-15
1	10 Years and above	1444
2	Above 7 years and below 10 years	873
3	Above 5 years and below 7 years	1400
4	Below 5 years	1912
Total		5629

Source: Economic Review 2015

TABLE 2.2.3

DISTRICT WISE STRENGTH OF KSRTC BUSES 2013-14 & 2014-15

Sl.No.	District	2013-14		2014-15	
		High-tech Luxury Buses	Others	High-tech Luxury Buses	Others
1	Thiruvananthapuram	3	1440	6	1309
2	Kollam		624		605
3	Pathanamthitta		316		308
4	Alappuzha		459	1	432
5	Kottayam		452	2	474
6	Idukki		235		244
7	Ernakulam		564	3	536
8	Thrissur		384		359
9	Palakkad		213		214
10	Malappuram		223		216
11	Kozhikkode		247	1	240
12	Wayanad		261		251
13	Kannur		278		276
14	Kasargod		161		153
Total		3	5857	13	5617

Source : Kerala State Road Transport Corporation

TABLE 2.2.4

DISTRICT WISE DETAILS OF KSRTC DURING 2014-15

Sl. No.	District	No. of Employees		No. of Workshop / Garage		No. of Depots Main/sub		Operational Income (Rs. In Lakhs)	
		2014	2015	2014	2015	2014	2015	2013-14	2014-15
1	Thiruvananthapuram	12598	12736	22	22	21	21	39195.56	42226.41
2	Kollam	4430	4476	9	9	9	9	18375.20	20091.22
3	Pathanamthitta	1499	1991	8	8	8	8	8649.50	9945.18
4	Alappuzha	3536	3423	9	9	8	8	13691.69	14593.39
5	Kottayam	3022	2952	7	7	7	7	13334.00	14764.73
6	Idukki	1430	1388	5	5	5	5	6674.42	7284.33
7	Ernakulam	4958	4759	10	10	9	9	14507.81	15520.12
8	Thrissur	2429	2312	7	7	7	7	11332.00	11717.74
9	Palakkad	1552	1442	4	4	4	4	7507.18	7904.39
10	Malappuram	1905	1811	5	5	4	4	6713.89	7294.08
11	Kozhikkode	1981	1955	6	6	5	5	6707.36	7582.53
12	Wayanad	1730	1640	3	3	3	3	7171.24	8265.85
13	Kannur	1777	1723	3	3	3	3	7457.78	8439.04
14	Kasargod	908	916	2	2	2	2	4636.09	5304.63
TOTAL		43755	43524	100	100	95	95	165953.70	180933.60

Source: KSRTC

TABLE 2.2.5
MAJOR INDICATORS SHOWING OPERATIONAL EFFICIENCY OF
KSRTC/KURTC 2014-15

Sl. No.	Items	2013-14	2014-15	Increase/ Decrease	KURTC 2014-15
1	2	3	4	5	6
1	Fleet strength (as on 31 st march)	5860	5629	-231	320
2	Gross revenue earnings (in crores)	1863.56	1923.82	60.26	105.23
3	Gross revenue expenditure (in crores)	2433.66	2541.1	107.44	109.23
4	Gross operating loss (in crores)	-570.16	-617.28	-47.12	(-)4.00
5	No.of schedules operated as on March 31 st	4754	4602	-152	223
6	Average earning per vehicle on road per day (Rs.)	9812	10928	1116	10455.24
7	Average earning per km of buses operated (paise)	2989	3268	279	4000
8	Average earning per passenger (paise)	1426	1636	210	1663
9	Average route length (km)	52.01	63.78	11.77	
10	Average km run per bus per day	323.38	329.16	5.78	261.42
11	Average no. of buses held daily (Nos)	5830	5691	-139	320
12	Passengers carried (lakhs)	11634	11059	-575	498.73

Source: Economic Review 2015

TABLE 2.2.6

DISTRICT WISE OPERATIONAL STATISTICS OF KSRTC DURING 2014-15

Sl. No.	Unit	No. of buses held	No. of schedules	No. of routes	Route Distance (Kms)	Gross Kms. Operated (in Lakhs)	Effective Operated (in Kms)	Passengers carried (in Lakh)
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	1315	1511	1807	79210	1637.27	1180.84	3088.6
2	Kollam	605	626	920	41777	751.19	594.85	1382.1
3	Pathanamthitta	307	297	422	27456	368.96	316.62	602.57
4	Alapuzha	433	459	483	27470	551.37	435.59	947.85
5	Kottayam	477	421	450	37507	550.45	471	758.11
6	Ernakulam	537	558	767	45753	659.85	493.74	982.08
7	Idukki	246	214	227	16723	283.78	232.57	310
8	Thrissur	358	353	321	39810	481.17	378.24	605.02
9	Palakkad	214	192	205	20245	299	257.03	353.41
10	Malappuram	215	205	229	12322	302.1	246.49	342.23
11	Kozhikkode	239	219	331	33588	298.04	246.42	384.28
12	Kannur	276	242	350	20985	304.77	266.04	529.13
13	Kasargod	153	145	100	7771	192.36	154.17	314.05
14	Wayanad	251	226	219	25084	300.73	263.72	459.98
Total		5626	5668	6831	435701	6981.04	5537.32	11059.41

2.3 WATER TRANSPORT

TABLE 2.3.1

OPERATIONAL STATISTICS OF INLAND WATER TRANSPORT AGENCIES IN KERALA

Particulars	State Water Transport Department		Kerala Shipping and Inland Navigation Corporation Ltd.	
	2013-14	2014-15	2013-14	2014-15
No.of Jhankars	0	Nil	2	2
No. of Jhankars in operation	0	Nil	2	1
No. of Boats	97	95	0	Nil
No. of Boats in operation	52	51	0	Nil
No.of Trips on Schedule	275210	275940	0	Nil
No.of Passengers Carried (In lakhs)-	142.86	130.54	Nil	Nil
No.of Barges	0	Nil	6	8
No.of Tourist Boats	4	4	2	2
Total Distance Cargo(in KM approximate)	NA	NA	28344	29114
Volume of Cargo carried (Tonnes)	0	nil	208253	179585
Total Revenue Receipts on Inland Transports(in lakhs(Collection from Tourists Boats+ Barges+Jhankars)	35.02	36.66	569.01	536.32
Total Revenue Receipts on Inland Transport(in lakh)	659.73	761.10	569.01	810.45
Total Revenue Receipts on other business (in lakh)	32.82	42.30	312.67	396.93
Total Revenue Expenditure on other business(in lakh)	00	Nil	611.22	563.85
No. of employees (TOTAL)	927	890	143	132

Source: Economic Review 2015

TABLE 2.3.2

NO. AND TONNAGE OF STEAMERS AND SAILING VESSELS IN MINOR PORTS OF KERALA DURING 2014-15

Name of Port	Coastal / Foreign	Steamers				Sailing Vessels				Total No. of Vessels		Total Tonnage	
		No.		Tonnage		No.		Tonnage		2009-14	2014-15	2009-14	2014-15
		2009-14	2014-15	2009-14	2014-15	2009-14	2014-15	2009-14	2014-15				
Kasargod	Coastal	-	-	-									
	Foreign												
Azhikkal	Coastal	7.00		8982.81		39.00	10.00	3649.18	4783.00	46.00	10.00	12631.99	4783.00
	Foreign	4.000		1806.00						4.00		1806.00	
Kannur	Coastal												
	Foreign												
Thalassery	Coastal												
	Foreign												
Kozhikkode	Coastal	742.00	184.00	353977.00	40438.00	1676.00	289.00	435902.56	86826.44	2418	473.00	789079.56	127265.00
	Foreign												
Ponnani	Coastal												
	Foreign												

Table 2.3.2 No. And Tonnage Of Steamers And Sailing Vessels In Minor Ports Of Kerala During 2014-15 (Contd....)

Name of Port	Coastal / Foreign	Steamers				Sailing Vessels				Total No. of Vessels		Total Tonnage	
		No.		Tonnage		No.		Tonnage		2009-14	2014-15	2009-14	2014-15
		2009-14	2014-15	2009-14	2014-15	2009-14	2014-15	2009-14	2014-15				
Kodungallur	Coastal												
	Foreign												
Alappuzha	Coastal												
	Foreign												
Neendakara	Coastal												
	Foreign												
Trivandrum	Coastal												
	Foreign												
Vizhinjam	Coastal	24.00		21666.00		51.00		2578.00		75.00		26860.00	
	Foreign					201.00	45.00	43203.00	7134.37	246.00	45.00	43203.00	7134.37
Kollam	Coastal	36.00		39661.00		15.00	30.00	15568.00	19529.14	51.00	30.00	55229.00	19529.14
	Foreign	1.00		492.00		3.00		1963.00		4.00		12455.00	
Total		814.00	184.00	426584.81	40438.00	1985.00	374.00	512863.74	118272.95	2844.00	558.0	941264.55	158711.51

TABLE 2.3.3

COMMODITY WISE CARGO HANDLED AT THE INTERNATIONAL AND MINOR PORTS OF KERALA DURING 2014 -2015

Sl. No.	District	Name of Port	Commodity	Imports			Exports			Grand total
				Coastal	Foreign	Total	Coastal	Foreign	Total	
1	2	3	4	5	6	7	8	9	10	11
1	Kasaragod					0				
2	Kannur	Azhikkal	Scrap vessel							
			Miscellaneous	2035		2035		2748	2748	4783.00
			Building Materials			0		0	0	0
		Thalassery				0		0	0	0
3	Kozhikkode		Soda ash			0				
			Machinery	261		261	834.50		834.50	1095.50
			Coconut			0			0	
			Wheat			0			0	
			Rice			0			0	
			Cattle feed			0			0	
			Scrap			0			0	
			Cement			0			0	
			POL	11.50		11.50	18288.50		18288.50	18300.00
			LPG			0			0	
			Metal			0			0	
			Tiles & Bricks	2.50		2.50	1644.28		1644.28	1646.78
			Vegetables& Fruits			0			0	
			Granite& Marbles			0			0	
			Others	32500.80		32500.80	67115.30		67115.30	99616.10

Table 2.3.3 Commodity wise Cargo Handled at the International and Minor Ports of Kerala during 2014 -2015 (Contd...)

Sl. No.	District	Name of Port	Commodity	Imports			Exports			Grand total
				Coastal	Foreign	Total	Coastal	Foreign	Total	
1	2	3	4	5	6	7	8	9	10	11
			Timber			0			0	
			Empty Barrel/Cylinders			0			0	
			Copra			0			0	
			Mas			00			0	
			Edible Oil			0			0	
			Furniture			0			0	
			Medicine			0			0	
			Ele -Goods			0			0	
			Tobacco			0			0	
			Furnace Oil			0			0	
			Bakery			0			0	
			Bamboo			0			0	
			Chalk Powder			0			0	
			Vehicle	317		317	1501.63		1501.63	1818.63
			Ply wood	2		2	160.5		160.5	162.50
			Oxygen Cylinder			0			0	
			HSD			0			0	
			Food Grains			0			0	
			Stationary			0			0	
			Cattle	354		354	4271.5		4271.5	4625.50
			Hard wares			0			0	

Table 2.3.3 Commodity wise Cargo Handled at the International and Minor Ports of Kerala during 2014 -2015 (Contd...)

Sl. No.	District	Name of Port	Commodity	Imports			Exports			Grand total
				Coastal	Foreign	Total	Coastal	Foreign	Total	
1	2	3	4	5	6	7	8	9	10	11
4	Malappuram	Ponnani				0			0	
5	Thrissur	Kodungallur				0			000	
6	Alappuzha	Alappuzha				0			0	
7	Kollam	Kollam	GeneralCargo	1648.00		1648.00			0	1648.00
			Building Materials	17881.14		17881.14		0	17881.14	
			Container	515.00		515.00		0	515.00	
8	Thiruvananthapuram	Vizhinjam	Vegetables& Fruits			0		7134.37	7134.37	7134.37
			Spices			0				
			Salt			0				
			Packing			0				
			Other Materials			0				
Total				55527.94		55527.94	93816.21	9882.37	103698.60	159226.50

2.4 RAIL TRANSPORT

TABLE 2.4.1

LENGTH OF RAIL UNDER THIRUVANANTHAPURAM DIVISION 2014-15

Year	Route Km			Total Track Km
	Broad Gauge	Meter Gauge	Total	
2014-15	622.56	Nil	622.56	942.26

Source: Southern Railway, TVM Division

TABLE 2.4.2

NO. OF LEVEL CROSSING UNDER THIRUVANANTHAPURAM DIVISION 2014-15

Year	Manned Level Crossing	Unmanned Level Crossing	Total
2014-15	370	10	380

Source: Southern Railway, TVM Division

TABLE 2.4.3

RESERVATION SYSTEM IN THIRUVANANTHAPURAM DIVISION 2014-15

Sl. No.	Systems	2014-15
1.	No. Passenger reservation system	57 (Inclusive of 30 Non Railhead Reservation System)
2.	No Of Unreserved ticketing system	71
3.	No of Integrated unreserved ticketing system cum passenger Reservation system	19

Source: Southern Railway, TVM Division

TABLE 2.4.4

AVERAGE NO. OF TRAINS & PASSENGERS RUNNING UNDER THIRUVANANTHAPURAM DIVISION 2014-15

Thiruvananthapuram Division		2014-15
No of Stations		107
No of Junction		4
Average No of Trains running/week	Mail/ Exp: Train	616
	Passenger Trains	511

Source: Southern Railway, TVM Division

2.5 AIR TRANSPORT

TABLE 2.5.1

DETAILS OF FLIGHTS OPERATED BY VARIOUS AGENCIES FROM INTERNATIONAL AIRPORTS DURING 2014-15

Sl No	Airlines	Cochin 2014-15				Thiruvananthapuram 2014-15				Calicut 2014-15			
		No of flights		Passengers		No of flights		Passengers		No. of flights movements		Passengers	
		DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT
1	Air India		2178		198308		207		519345	222	800	2315	236092
2	Air India Express		3707		463250		2552		344598	1213	4437	329922	660693
3	Indian Airlines	3017	611	308539	70640	2912	1580	297736	152186	735	1453	55186	225131
4	Oman Air		732		97063		730		93152		730		97605
5	Silk Air		796		91628		396		39852				
6	Kuwait Airways		734		128482		418		67141				
7	Emirates Airlines		1470		438045		1254		308423		1148		330497
8	Qatar Airways		1154		288635		730		119851		730		122265
9	Saudi Arabian Airlines		568		138444						830		236961
10	Gulf Air		730		109373		590		86903				
11	Air Arabia		1464		236389		1460		234560		731		120655
12	Etihad Airways		1342		196514		730		89905		1377		162654

Table 2.5.1.Details of flights operated by various agencies from International Airports during 2014-15 (Contd...)

Sl No	Airlines	Cochin				Thiruvananthapuram				Calicut			
		2014-15				2014-15				2014-15			
		No of flights		Passengers		No of flights		Passengers		No. of flights movements		Passengers	
		DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT
13	Fly Dubai		258		35254								
14	Jet Airways	5580	3615	481884	518677	1574	1457	198149	206432	485	521	366499	69883
15	Air Asia		1042		135690								
16	Tiger Airways		406		48023								
17	Sreelankan Airlines		1458		165406		668		97770				
18	Inter Globe Aviation		684		100303								
19	Spice Jet	5484	1436	585285	134314					1436		82729	
20	Malaysian Airlines		730		76660								
21	Malin Day Airlines		652		70441								
22	Non Scheduled Flight	233	203	957	2441	168	48	608	174				
23	Maldivian						814		45476				
24	Indigo Air					3354	730	457406	10852				
25	Alliance Air	1558		44240									
26	Jet light	0		0						246		34456	
27	Air Asia(India)Private Limited	932		122737			0						

Table 2.5.1 Details of flights operated by various agencies from International Airports during 2014-15 (Contd...)

Sl No	Airlines	Cochin 2014-15				Thiruvananthapuram 2014-15				Calicut 2014-15			
		No of flights		Passengers		No of flights		Passengers		No. of flights movements		Passengers	
		DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT	DOM	INT
28	Go Air	1448		189766									
29	Inter Globe Aviation	7372		930098									
30	Pawan Hans Kavarathy	692		3151									
31	Jyothi Aviation	130		346									
32	Shobha Puravankara	37		108									
33	Kalyan Jewellers	239		490									
34	Chipson Kalyan	41		69									
35	Defence Movement	60		61									
Total		26823	25970	2667731	3743980	8008	14364	953899	2416620	4337	12757	871107	2262436

Source: Economic Review 2015

TABLE 2.5.2
PASSENGER MOVEMENT, AIRCRAFT MOVEMENT & CARGO TONNAGE IN
COCHIN INTERNATIONAL AIR PORT

Description	2013-14	2014-15
Passenger Traffic handled-International	3271755	3743980
Passenger Traffic handled-Domestic	2114708	2667731
No.of Flights handled -International	23134	25970
No.of Flights handled-Domestic	24082	26823
Average no. of PAX handled per day- International	9000	10500
Average no. of PAX handled per day-Domestic	6000	7500
Average no. of Cargo handled per day- International	127.30 MT	149.60 MT
Average no. of Cargo handled per day-Domestic	21.80 MT	28.20 MT

Source: CIAL

TABLE 2.5.3
DOMESTIC CARGO HANDLED AT COCHIN INTERNATIONAL AIRPORT 2014-15

Period	Export in MT	Import in MT	Total in MT	% increase over last year
2013-14	2149.50	5825.20	7974.70	8.38
2014-15	2630.10	7676.70	10306.80	29.24

Source: CIAL

TABLE 2.5.4

CARGO HANDLED AT CALICUT INTERNATIONAL AIRPORT 2014-15

Particulars	2013-14	2014-15
Passenger traffic handled-International	2179200	3409577
Passenger traffic handled-Domestic	285906	297171
No.of flights handled -International	11980	12967
No.of flights handled-Domestic	4337	4617
Average no. of PAX handled per day- International	5970	9341
Average no. of PAX handled per day-Domestic	783	814

Source : Calicut International Airport

TABLE 2.5.5

DETAILS OF A/C MOVEMENT AND PAX MOVEMENT IN COCHIN INTERNATIONAL AIRPORT
(INTERNATIONAL & DOMESTIC)

Year	International Terminal						Domestic Terminal						Total Movement	
	A/C Movement			Pax Movement			A/C Movement			Pax Movement			A/C	Passenger
	ARR	DEP	TOTAL	ARR	DEP	TOTAL	ARR	DEP	TOTAL	ARR	DEP	TOTAL		
2013-14	11375	11759	23134	1610109	1661646	3271755	12234	11848	24082	1066531	1048177	2114708	47216	5386463
2014-15	12801	13169	25970	1816486	1927494	3743980	13598	13225	26823	1358924	1308807	2667731	52793	6411711

Source: Economic Review 2015

TABLE 2.5.6

DETAILS OF A/C MOVEMENT AND PAX MOVEMENT IN CALICUT INTERNATIONAL AIRPORT
(INTERNATIONAL & DOMESTIC)

Year	International Terminal						Domestic Terminal						Total Movement	
	Aircraft Movement			Passenger Movement			Aircraft Movement			Passenger Movement			A/C	PAX
	ARR	DEP	TOTAL	ARR	DEP	TOTAL	ARR	DEP	TOTAL	ARR	DEP	TOTAL		
2012-13	5718	5741	11459	961470	1021304	1982774	2715	2692	5407	155699	155937	311636	16866	2294410
2013-14	5977	6003	11980	1070776	1108424	2179200	2180	2157	4337	139269	146637	285906	16317	2465106
2014-15	6488	6479	12967	1122844	2286733	3409577	2304	2313	4617	147246	149925	297171	17584	3706748

Source : Airport Authority Kozhikkode

Chapter 3

ENERGY

TABLE 3.1

TRANSMISSION INFRASTRUCTURE 2014-15

Sl.No.	Item	Target	Achievement	Unit	Percentage of Achievement
1	220KV Substations	2	1	Nos.	50 %
2	110KV Substations	8	1	Nos.	12.5 %
3	66KV Substations	4	0	Nos.	0 %
4	33KV substations	13	1	Nos.	7.69 %

Source : Economic Review 2015

TABLE 3.2

TRANSMISSION INFRASTRUCTURE OWNED BY KSEB - 2015

Sl.No.	Capacity	Substations No.	Lines in Circuit Km
1	400KV	1	0
2	220KV	20	2801
3	110KV	142	4298
4	66KV	81	2203
5	33Kv	134	1762
Total		378	11064

Source : Economic Review 2015

TABLE 3.3

TOTAL INSTALLED CAPACITY IN KERALA FROM 2010-15

Sl.No.	Sector	Installed Capacity (MW)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	State Sector	2234.43	2245.4	2244.3	2245.23	2186.14*
2	Central Sector	359.6	359.6	359.6	359.6	359.6
3	Private Sector	263.58	274.78	274.78	286.89	289.94
Total		2857.61	2879.78	2878.68	2891.72	2835.68

Source : Economic Review 2015

TABLE 3.4

DETAILS OF POWER AVAILABILITY 2010-15

Sl.No	Particulars	Internal Generation(MU)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	Hydel Generation	7095.73	8058.01	4848.76	7995.43	7134.00
2	KSEBL-Thermal Generation	315.35	290.70	532.7	220.87	207.70
3	Wind	1.51	2.03	1.763	1.80	1.06
4	Total Internal Generation	7412.59	8350.74	5383.22	8218.10	7342.76
5	Less: Auxiliary Consumption	55.13	60.85	55.35	55.08	55.97
6	Power Purchase from CGSs	7245.30	8289.99	9069.65	9175.17	14996
7	Power purchase from IPPs	1393.31	715.66	1800.17	538.68	1110.69
8	Total Energy availability	17470.51	19139.9	19878.13	21939.76	21925.81
9	Energy Requirement	17340.28	18938.81	19877.16	20525.16	21556.65
10	Surplus /Deficit	-130.23	-201.09	-0.97	-1414.60	-369.17

Source : Economic Review 2015

TABLE 3.5

ENERGY SOURCE IN KERALA FROM 2010-15

Sl.No.	Source of Energy	Installed Capacity (MW)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	Hydel KSEBL	1997.80	2008.80	2007.40	2008.60	2024.15
2	Thermal KSEBL	234.60	234.60	234.60	234.60	159.96
3	Wind KSEBL	2.03	2.03	2.03	2.03	2.03
4	NTPC	359.60	359.60	359.60	359.60	359.60
5	Thermal IPP	188.93	198.93	198.93	198.93	198.93
6	Hydel Captive	33.00	33.00	33.00	33.00	33.00
7	Hydel IPP	10.00	10.00	10.00	22.11	25.16
8	Wind IPP	31.65	32.85	32.85	32.85	32.85
Total		2857.61	2879.81	2878.41	2891.72	2835.68

Source : Economic Review 2015

TABLE 3.6
POWER CONSUMPTION (IN MU) AND REVENUE COLLECTED IN KERALA
2014-15

(Rs. in Lakhs)

Sl. No.	Category	No. of Con-sumers	% of total Con-sumers	Consump-tion (MU)	% of total Consump-tion	Revenue (Rs.)	% Total Revenue
1.	Domestic	8972356	78.49	9365.78	50.83	317655.62	32.15
	Non Playing Group	15591	0.14	1.48	0.01		
2.	Commercial	1236628	10.82	2056.2	11.16	217238.4	21.99
3.	Public Lighting	4072	0.04	346.43	1.88	13781.34	1.39
4.	Agriculture	461333	4.04	298.28	1.62	60.44.41	0.61
5.	Industrial LT & HT1	143766	1.26	2939.25	15.95	328619.96	33.26
6.	General & Others	597130	5.22	2659.47	14.43	61956.13	6.27
7.	Railway Traction	8	0	205.31	1.11	11310.21	1.14
8.	Bulk Supply	11	0	554.06	3.01	31328.5	3.17
	TOTAL	11430895	100.00	18426.26	100	987934.57	100.00

Source : Economic Review 2015

TABLE 3.7
TARGETS AND ACHIEVEMENTS OF DISTRIBUTION INFRASTRUCTURE 2014-15

Sl. No	Item	Target	Unit	Achievement	Unit	% of Achievement
1	11KV line	2665	Kms	1807	Kms.	67.8
2	Distribution transformer	3788	Nos	3554	Nos.	93.82
3	LT lines	4322	Kms	4636	Kms.	107.27
4	Service connections	435861	Nos	422238	Nos.	96.87

Source : Economic Review 2015

TABLE 3.8**TRANSMISSION AND DISTRIBUTION LINE 2014-15**

Sl.No	Year	Particulars in Kilometres						
		220KV	110KV	66KV	33KV	22KV	11KV	LT
1	2009-10	2734.70	4115.89	2161.91	1390.20	156.59	44682	249687
2	2010-11	2734.70	4150.11	2161.91	1453.80	160.59	48342	256449
3	2011-12	2734.70	4151.00	2161.91	1534.80	160.59	51328	260554
4	2012-13	2761.57	4178.55	2166.51	1599.70	160.59	52907	263620
5	2013-14	2765.00	4260.27	2202.81	1719.28	160.59	53579	264117
6	2014-15	2801.20	4299.67	2202.81	1761.57	160.59	55386	268753

Source : Economic Review 2015

TABLE 3.9**PUMPSETS, STREET LIGHTS AND DISTRIBUTION TRANSFORMERS**

Sl.No.	Year	No of pump sets energised	No. of Street lights installed	No. of Distribution Transformers
1	2009-10	437877	1148220	52149
2	2010-11	446460	1202988	57954
3	2011-12	455078	1218610	62329
4	2012-13	466289	1257285	64972
5	2013-14	478449	1297480	67546
6	2014-15	490056	1349101	71198

Source : Economic Review 2015

TABLE 3.10**CONSUMERS AND CONNECTED LOADS**

Sl.No.	Year	No. of consumers at the end of the year	Connected load at the end of the year (MW)
1	2009-10	9743476	15866.55
2	2010-11	10127946	16681.85
3	2011-12	10457637	17518.42
4	2012-13	10806890	18523.51
5	2013-14	11192890	19684.15
6	2014-15	11430895	20391.53

Source : Economic Review 2015

TABLE 3.11**GENERATING CAPACITY, MAXIMUM DEMAND AND LOAD FACTOR
2009-10 to 2014-15**

Sl. No.	Year	Installed Capacity (MV)	Energy Input to System excl. aux. cons. & ext. losses (Gen+ Purchase - Export) (MU)	Maximum Demand	Load Factor
1	2009-10	2752.96	16982.29	2998	64.66
2	2010-11	2869.56	17340.28	3119	63.47
3	2011-12	2878.36	18938.81	3348	64.57
4	2012-13	2881.22	19877.16	3268	69.43
5	2013-14	2891.72	20525.16	3588	65.30
6	2014-15	2835.63	21572.95	3602	68.37

Source : Economic Review 2015

TABLE 3.12

PROJECTS IN THE PIPELINE SOLAR/WIND POWER PROJECTS

Sl.No.	Name of the project	Installed Capacity (MW)	Energy Potential (MU)
I	Hydro Project		
1	Olikkal	5.00	0.18
2	Poovaramthode	3.00	5.88
3	Upper Kallar	2.00	5.15
4	Chembukavu 3	6.00	14.92
5	Ladrum	3.50	10.47
6	Peechad	3.00	7.73
7	Western Kallar	5.00	14.29
8	Marmala	7.00	16.72
9	Pazhassi Sagar	7.50	25.16
10	Mankulm	40.00	82.00
11	Peruvannamoozhi	6.00	24.70
12	Chinnar	24.00	76.45
13	Upper Sengulam	24.00	59.20
14	Achankovil	30.00	75.81
15	Pambar	40.00	84.79
16	Valanthode	7.50	16.82
17	Maripuzha	6.00	14.84
18	Athirapally	163.00	233.00
19	Anakkayam	7.50	22.83
II	Gas based Projects	390.00	800.94
1	BDPP, Kochi (Gas conversion of 2 Units at BDPP)	39.86	-
2	Brahmapuram CCPP	400.00	-
III	Solar Power Projects	275.00	-

Source: Economic Review 2015

Chapter 4

MINING & GEOLOGY

TABLE 4.1

HEAVY MINERAL DEPOSITS

Sl. No.	Locality	Total Heavy Minerals	Ilmenite	Rutile	Zircon	Monazite	Sillimanite
1	Chavara Major Deposit	127.09	79.45	5.38	4.82	0.82	28.72
2	Northern contiguity of Chavara deposit	16.93	9.03	0.64	0.40	0.17	5.66
3	Southern Kerala	1.83	1.15	0.11	0.12	0.05	0.27
4	Northern Kerala	3.35	0.53	0.01	0.05	0.003	0.80

Source: Mining & Geology

TABLE 4.2

THE RESERVES AND THE PERCENT OF FE CONTENT

Sl. No.	Locality	Oxidised (million tonne)	% of Fe	Unoxidised (million tonne)	% of Fe	Total (million tonne)
1.	Eleyettimala	14.7	39.4	4.5	31.5	19.2
2.	Naduvallur	6.1	39.8	3.7	33.7	9.8
3.	Nanminda	4.3	41.2	-	-	4.3
4.	Cheruppa	3.2	35.5	7.5	31.7	10.7
5.	Alampara	9.0	35.6	26.2	35.2	35.2
6.	Korattimala	1.9	37.7	2.5	33.6	4.4

Source : Mining & Geology

TABLE 4.3.**THE FLAKY GRAPHITE DEPOSITS OF ERNAKULAM AND KOTTAYAM DISTRICTS**

Sl. No.	Item	Nagapuzha	Vadakode	Chirakkadavu	Total
1.	Ore reserve (tonnes)	1059352	5050938	700000	6810920
2.	Grade (% carbon)	7.3	5.0	3.0	
3.	Recoverable graphite (tonnes)	43000	24000	16000	83800
4.	Concentrate grade (% carbon)	89	91	88	
5.	Recovery	79	80	80	

*Source : Mining & Geology***TABLE 4.4.****THE SAND DEPOSIT COMPRISES OF FLAT TO GENTLY DIPPING SANDY STRETCHES**
(5m Above Mean Sea Level)

Vertical Sequence	
0-0.75 m below ground level	White sand mixed with soil
0.75-2.50 m below ground level	White sand
2.50-10.00 m below ground level	Brown sand

*Source : Mining & Geology***TABLE 4.5.**
RESERVE OF SILICA SAND

Village	Approximate area in hectares	Reserve in million tones
Pallipuram	300	18.40
Thycauttuserry	120	6.50
Panavally	50	3.50
Total	470	28.40

Source : Mining & Geology

TABLE 4.6.
LIME SHELL RESERVES IN KERALA

Sl. No.	Locality	Reserve in million tones
1.	Vembanad Lake	2.50
2.	Kulasekharamangalam	0.18
3.	Pallipuram	0.10
4.	Vechoorpadam	0.26
5.	Thannirmukkom	0.25

Source : Mining & Geology

TABLE 4.7
LIME SHELL IN THRISSUR, MALAPPURAM AND KANNUR DISTRICTS

Sl.No.	Area	Reserve in million tones
1	Thrissur : Naduvullikara, Chettuva, Vadanapalli and Kappad	0.33
2	Malappuram : Kanthirumukku	0.14
	Iswaramangalam and Edappal	--
3	Kannur : Payyannur, Cheruvathur and Thrikkarippur	0.29

Source : Mining & Geology

TABLE 4.8.
TOTAL AREA COVERED BY MINING LEASES 2014-15

Sl. No.	Minerals	Area in Hectares
1	China Clay	106.1000
2	Silica Sand	46.1100
3	Bauxite	0.7237
4	Limes	1350.4000
5	Limestone	245.6900
6	Mineral Sand	349.7700
7	Quartz	6.8200
8	Graphite	1.2544
9	Iron ore	86.0600
10	Laterite	40.4400
	Total	2233.3681

Source : Mining & Geology

TABLE 4.9
NUMBER OF MINING LEASES IN THE STATE OF KERALA 2014-15
(MINERAL WISE)

Sl. No.	District	Graphite	China Clay	Laterite	Iron Ore	Quartz	Lime shell	Mineral sand	Lime stone	Silica sand	Quartzite	Bauxite
1	Thiruvananthapuram	-	26	-	-	-	-	-	-	-	-	-
2	Kollam	-	2	-	-	-	-	43	-	-	-	2
3	Pathanamthitta	-	-	-	-	-	-	-	-	-	-	-
4	Alappuzha	-	-	-	-	-	2	-	-	23	-	-
5	Kottayam	-	-	-	-	-	3	-	-	-	-	-
6	Idukki	-	-	-	-	1	-	-	-	-	-	-
7	Ernakulam	1	-	-	-	-	-	-	-	-	-	-
8	Thrissur	-	-	-	-	-	-	-	-	-	-	-
9	Palakkad	-	-	-	-	-	-	-	1	-	-	-
10	Malappuram	-	-	-	-	-	-	-	-	-	-	-
11	Kozhikkode	-	-	-	1	-	-	-	-	-	1	-
12	Wayanad	-	-	-	-	-	-	-	-	-	-	-
13	Kannur	-	-	5	-	-	-	-	-	-	-	-
14	Kasaragode	-	-	2	-	-	-	-	-	-	-	-
	Total	7	28	7	1	1	5	43	1	23	1	2

Source : Mining & Geology

TABLE 4.10
DETAILS OF MINERAL CONCESSIONS PERTAINING TO MINOR MINERAL
2015

Sl. No.	Name of mineral	Total
1	Quarrying permits	4164
2	Dimension Stone	554
3	Dealer's License	1514
4	License for registered metal crusher unit	199

Source : Mining & Geology

TABLE 4.11.
NUMBER OF QUARRYING PERMITS ISSUED DURING 2014-15
(DISTRICT WISE AND MINERAL WISE)

Sl. No.	District	Granite building Stone	Laterite Stone	Brick Clay	Ordinary Sand	Ordinary Earth	Lime Shell	Total
1	Thiruvananthapuram	152	6	7	20	13	--	198
2	Kollam	27	57	4	6	664	--	758
3	Pathanamthitta	59	9	-	2	522	--	592
4	Alappuzha	-	28	5	11	68	--	112
5	Kottayam	116	13	7	49	486	--	671
6	Idukki	90	-	-	-	19	--	109
7	Ernakulam	221	112	1	6	654	--	994
8	Thrissur	149	68	37	-	17	--	271
9	Palakkad	149	36	-	5	48	--	213
10	Malappuram	209	583	6	-	64	--	862
11	Kozhikkode	199	162	22	13	4	--	400
12	Wayanad	189	-	6	44	101	--	340
13	Kannur	163	745	-	-	3	--	911
14	Kasaragode	74	335	-	26	24	--	461
	TOTAL	1772	2154	95	184	2687	--	6892

Source : Mining & Geology

TABLE 4.12

PRODUCTION AND ROYALTY OF MINERALS IN KERALA DURING 20014-15

Sl.No.	Mineral	Royalty (In lakh)	Production (Tons)
1	2	3	4
Major Minerals			
1	China Clay	275.57	888938
2	Ilmenite	186.21	110186
3	Rutile	40.16	3664
4	Zircon	79.47	6252
5	Sillimanite	10.48	4660
6	Silica Sand	158.3	89943
7	Limeshell/ Sea shell	31.36	42966
8	Lime stone	305.46	427210
9	Bauxite/Laterite	301.43	298451
10	Graphite	0.13	200
11	Leucoxene	1.92	200
12	Monozite	0.04	32
	Sub Total	1390.53	1872702
Minor Minerals			
1	Granite Building Stone	3911.05	24444089
2	Granite Dimension Stone	49.68	1242
3	Laterite	253.73	1585788
4	Lime/Seashell	1.68	3367
5	Brick Clay	103.13	1031296
6	Ordinary Sand	224.07	2240652
7	River Sand	205.07	2050726
8	Ordinary Earth	915.44	4577191
9	Other receipts	5.52	
	Sub Total	5669.37	35934351
	Grand Total	7059.91	37807053

Source: Economic Review 2015

Chapter 5

COMMUNICATION

TABLE 5.1
DIVISION-WISE AND CATEGORY WISE POST OFFICES UNDER
KERALA CIRCLE 2014-15

Sl.No.	Name of Division	Head Offices	Sub Offices			
			SO	EDSO	EDBO	Total
1	TVPM(N)	2	68	0	148	218
2	TVPM(S)	2	75	0	119	196
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	Mavelikkara	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
11	Ernakulam	2	71	0	63	136
12	Aluva	3	71	0	181	255
13	Thrissur	3	105	0	185	293
14	Irinjalakuda	2	63	0	127	192
15	Palakkad	3	83	0	150	236
16	Ottappalam	1	55	0	163	219
17	Manjeri	2	46	0	211	259
18	Tirur	2	52	0	119	173
19	Kozhikkode	3	71	0	230	304
20	Vadakara	2	40	0	183	225
21	Thalassery	1	44	0	163	208
22	Kannur	2	66	0	163	231
23	Kasargod	2	29	0	198	229
Total		51	1457	0	3560	5068

Source: Economic Review 2015

TABLE 5.2

DISTRICT WISE DETAILS OF TELEPHONE NET WORK DURING 2014-15

Sl. No.	Name of District	No. of Exchanges	Equipped Capacity	Working connections	Area (Sq. Kms.)	No. of telephone (Sq. Kms.)	No. of telephone Per 1000 population
1	2	3	4	5	6	7	8
1	Allappuzha	82	621590	530503	1414	375	250
2	Kozhikkode*	124	1048059	845678	4475	188	216
3	Ernakulam**	214	1567051	1390904	7458	186	312
4	Kannur***	182	1367495	1448276	4968	291	374
5	Kollam	91	774679	635804	2491	255	241
6	Kottayam	100	861778	746134	2203	338	376
7	Malappuram	99	837718	610522	3550	171	148
8	Palakkad	123	636493	522033	4480	116	185
9	Pathanamthitta	74	509564	461486	2642	174	386
10	Thrissur	87	948232	787932	3032	259	253
11	Thiruvananthapuram	93	1569503	990103	2192	451	299
Total		1269	10742162	8969375	38905	230	267

Source: Economic Review 2015

TABLE 5.3
DISTRICT - WISE DETAILS OF AREA AND POPULATION SERVED BY ONE
POST OFFICE DURING 2014-15

Sl. No.	Name of District	Post Office (Nos.)	Area (Sq. Km)	Area Served by One Post Office (Sq. Kms)	Population (2001 census)	Population served by one post office
1	Kasargode	234	1992	8.51	1302600	5567
2	Kannur	382	2966	7.76	2525637	6612
3	Wayanad	162	2131	13.15	816558	5040
4	Kozhikode	410	2344	5.72	3089543	7535
5	Malappuram	437	3550	8.12	4110956	9407
6	Palakkad	455	4480	9.85	2810892	6178
7	Thrissur	486	3032	6.24	3110327	6400
8	Ernakulam	391	3068	7.85	3279860	8388
9	Idukki	296	4358	14.72	1107453	3741
10	Kottayam	408	2208	5.41	1979384	4851
11	Alappuzha	300	1414	4.71	2121943	7073
12	Pathanamthitta	315	2637	8.37	1195537	3795
13	Kollam	364	2491	6.84	2629703	7224
14	Thiruvananthapuram	414	2192	5.29	3307284	7989
Total		5054	38863	7.69	33387677	6606

Source: Economic Review 2015

TABLE 5.4

DISTRICT WISE ESTIMATED NO. OF EXCHANGES 2013 -14 & 2014 – 15

Sl.No	District	2013-14			2014 - 15		
		Area	No. of ex- changes	Total	Area	No. of ex- changes	Total
1	Allappuzha	Rural	52	72	Rural	52	72
		Urban	20		Urban	20	
2	Kozhikkode*	Rural	90	124	Rural	90	124
		Urban	34		Urban	34	
3	Ernakulam*	Rural	155	214	Rural	155	213
		Urban	59		Urban	58	
4	Kannur*	Rural	142	181	Rural	159	203
		Urban	39		Urban	44	
5	Kollam	Rural	79	87	Rural	80	87
		Urban	8		Urban	7	
6	Kottayam	Rural	83	90	Rural	83	99
		Urban	17		Urban	16	
7	Malappuram	Rural	90	96	Rural	91	97
		Urban	6		Urban	6	
8	Palakkadu	Rural	105	123	Rural	105	123
		Urban	18		Urban	18	
9	Pathanamthitta	Rural	77	84	Rural	77	84
		Urban	7		Urban	7	
10	Thiruvnanthapura m	Rural	71	98	Rural	71	98
		Urban	27		Urban	27	
11	Thrissur	Rural	62	86	Rural	62	86
		Urban	24		Urban	24	
Grand Total		Rural	1005	1005	Rural	1025	1286
		Urban	260		Urban	261	

*Calicut SSA includes- Calicut and Wayanad Dist.

*Ernakulam SSA includes- Ernakulam, Idukki Dist. And Lakshadweep

*Cannanore SSA includes- Cannanore, Kasagod Dist. And Mahe

Source : BSNL

TABLE 5.5
DISTRICT WISE TELE-DENSITY PER 1000 POPULATION
(FIXED LINE + WLL + MOBILE) 2014-15

Sl.No.	District	2014 - 15
1	Alleppey	250.008
2	Calicut *	216.502
3	Ernakulam *	312.367
4	Kannur *	374.226
5	Kollam	241.778
6	Kottayam	376.953
7	Malappuram	148.511
8	Palaghat	185.718
9	Pathanamthitta	386.007
10	Trichur	253.328
11	Trivandrum	299.370
TOTAL		267.783
<i>Source : BSNL</i>		

*Calicut SSA includes- Calicut and Wayanad Dist

*Ernakulam SSA includes- Ernakulam, Idukki Dist. And Lakshadweep

*Cannanore SSA includes- Cannanore, Kasagod Dist. And Mahe

TABLE 5.6
DISTRICT WISE ESTIMATED NO. OF FIXED PHONES 2013 -14 & 2014 - 15

Sl.No.	District	2013-14	2014 - 15
1	Alleppey	193168	178055
2	Calicut *	246430	221789
3	Ernakulam *	407260	373466
4	Kannur *	355467	306744
5	Kollam	238165	211784
6	Kottayam	208435	180327
7	Malappuram	237452	208943
8	Palaghat	144239	126945
9	Pathanamthitta	147007	137172
10	Trichur	316989	294776
11	Trivandrum	278536	244458
TOTAL		2773148	2484459

Source : BSNL

*Calicut SSA includes- Calicut and Wayanad Dist.

*Ernakulam SSA includes- Ernakulam, Idukki Dist. And Lakshadweep

*Cannanore SSA includes- Cannanore, Kasagod Dist. And Mahe

TABLE 5.7

**DISTRICT WISE ESTIMATED NO. OF LANDLINE, WLL, MOBILE
2013 -14 & 2014 - 15**

Sl.No	District	Landline		WLL		Mobile
		2013-14	2014 - 15	2013-14	2014 - 15	2014 - 15
1	Alleppey	193168	178055	17446	13371	339077
2	Calicut *	246430	221789	29532	20952	602937
3	Ernakulam *	407260	373466	37568	27086	990352
4	Kannur *	355467	306744	23810	18211	1123321
5	Kollam	238165	211784	27664	18343	405677
6	Kottayam	208435	180327	16246	11182	554625
7	Malappuram	237452	208943	23850	18768	382811
8	Palaghat	144239	126945	24065	19719	375369
9	Pathanamthitta	147007	137172	15361	12158	312156
10	Trichur	316989	294776	33115	26370	466786
11	Trivandrum	278536	244458	18218	13867	731778
TOTAL		2773148	2484459	266875	200027	6284889

Source : BSNL

*Calicut SSA includes- Calicut and Wayanad Dist.

*Ernakulam SSA includes- Ernakulam, Idukki Dist. And Lakshadweep

*Cannanore SSA includes- Cannanore, Kasagod Dist. And Mahe

TABLE 5.8

URBAN / RURAL SPLIT OF POST OFFICES DURING 2014-15

Name of Division	Head Office		DSO		EDBO		Grand Total		TOTAL
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	
TVM (South)	2	0	27	41	5	143	34	184	218
TVM (North)	2	0	32	43	17	102	51	145	196
Kollam	1	2	24	67	6	145	31	214	245
Pathanamthitta	3	0	8	69	8	225	19	294	313
Thiruvalla	2	0	11	53	6	87	19	140	159
Total Southern Region	10	2	102	273	42	702	154	977	1131
Alappuzha	2	0	25	23	18	56	45	79	124
Mavelikkara	2	0	7	45	3	70	12	115	127
Changanassery	1	1	4	42	2	115	7	158	165
Idukki	3	0	21	58	10	166	34	224	258
Kottayam	1	1	6	46	2	237	9	284	293
Ernakulam	2	0	52	19	19	44	73	63	136
Aluva	0	0	6	3	0	1	6	4	10
Thrissur	3	0	29	42	11	170	43	212	255
Irinjalakuda	2	0	23	40	16	111	41	151	192
Total Central Region	18	3	209	387	110	1126	337	1516	1853
Manjeri	2	0	7	39	13	198	22	237	259
Tirur	2	0	7	45	7	112	16	157	173
Kozhikkode	3	0	48	23	42	188	93	211	304
Vadakara	2	0	6	34	11	172	19	206	225
Thalassery	1	0	28	16	36	127	65	143	208
Kannur	2	0	40	26	52	111	94	137	231
Kasargod	2	0	9	20	8	190	19	210	229
Total Northern Region	17	1	169	317	185	1395	371	1713	2084
Grand Total	45	6	480	977	337	3223	862	4206	5068

Source: Economic Review 2015

TABLE 5.9
DETAILS OF AKSHAYA CENTRES IN KERALA

Sl. No	Name of District	No.of Akshaya Centres	No.of persons employed
1	Thiruvananthapuram	252	756
2	Kollam	155	465
3	Pathanamthitta	86	258
4	Alappuzha	209	627
5	Kottayam	171	513
6	Idukki	112	336
7	Ernakulam	226	678
8	Thrissur	212	636
9	Palakkad	231	693
10	Kozhikkode	167	501
11	Malappuram	191	573
12	Wayanad	68	204
13	Kannur	212	636
14	Kasargod	126	378
Total		2418	7254

Source: Economic Review 2015

Chapter 6

IRRIGATION

TABLE : 6.1

CROP WISE AREA UNDER IRRIGATION 2014-15 (IN HA)

Sl. No.	District	Paddy	Vegetables	Coconut	Arecanut	Cloves	Nutmeg	Banana	Betel Leaves	Sugarcane	Other Crops
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	2092	1312	2198	2	0	9	2329	15	0	2039
2	Kollam	741	1201	443	14	0	38	857	23	0	520
3	Pathanamthitta	2582	999	898	24	12	495	1641	36	5	161
4	Alappuzha	33094	1519	6633	3	0	106	432	31	55	1231
5	Kottayam	17270	1603	48	2	108	1698	751	2	10	7
6	Idukki	698	5637	635	83	52	1381	1357	0	1069	275
7	Ernakulam	3979	2210	10392	1066	5	6095	3890	5	0	2681
8	Thrissur	21201	1172	41255	4398	7	6826	2267	3	0	3455
9	Palakkad	49323	3323	25489	3257	2	214	17213	4	372	10911
10	Malappuram	6169	1764	20059	5395	5	265	5361	171	0	2032
11	Kozhikkode	597	740	2755	335	0	72	1758	9	0	148
12	Wayanad	9690	1085	49	58	0	1	7095	0	0	19
13	Kannur	2228	1281	12556	1692	0	82	2257	9	3	400
14	Kasargode	1036	626	41804	17356	32	141	656	15	1	4349
Total		150700	24472	165214	33685	223	17423	47864	323	1515	28228

Source :EARAS, DES

TABLE : 6.2

NET AREA IRRIGATED - DISTRICT WISE & SOURCE WISE 2014-15

(area in Ha)

Sl No	District	Canal		Pond		Well		Bore well/ Tube well	Lift & Minor Irriga- tion	Others				Grand Total
		Govt.	Private	Govt.	Private	Govt.	Private			From River & lake		Other Source		
										Pump	Wheel		Other Methods	
1	2	3	4	5	6	7	8	9	10	11	12	13	15	16
1	Thiruvananthapuram	3810	177	483	9	0	2736	89	0	0	0	3	382	7689
2	Kollam	946	0	9	60	20	2783	47	2	0	0	0	624	4491
3	Pathanamthitta	2969	12	92	12	0	2218	2	0	0	0	0	4	5309
4	Alappuzha	5284	0	0	462	1	976	6125	0	5416	0	21697	63	40024
5	Kottayam	0	0	0	173	0	1774	39	87	0	0	10245	638	12956
6	Idukki	1317	84	10	16432	2	6613	2855	3	52	0	7552	7175	42095
7	Ernakulam	8625	57	148	1611	149	6658	581	3647	894	0	311	452	23133
8	Thrissur	15670	194	148	3475	18	33218	960	1076	464	0	4763	2647	62633
9	Palakkad	41902	265	369	4632	41	14868	8585	288	9654	0	1921	8402	90927
10	Malappuram	2726	156	250	4411	126	17981	1088	1505	1201	0	1377	1936	32757
11	Kozhikode	1105	69	3	380	1	2518	53	0	141	0	4	639	4913
12	Wayanad	0	0	4	27	1	269	0	203	116	0	0	14584	15204
13	Kannur	585	155	9	1615	1	8717	443	191	231	0	342	2655	14944
14	Kasargode	715	80	57	12214	57	31675	8806	80	2785	0	211	527	57207
Total		85654	1249	1582	45513	417	133004	29673	7082	20954	0	48426	40728	414282

Source : EARAS, DES

TABLE : 6.3

GROSS AREA IRRIGATED (CROP-WISE)

Sl.N o.	Crops	2013-14	2014-15
1	Paddy	154029	150700
2	Vegetables	21066	24472
3	Coconut	166380	165214
4	Areacanut	34482	33685
5	Nutmeg	17045	17423
6	Clove	242	223
7	Banana	46312	47864
8	Betel leaves	332	323
9	Sugarcane	2200	1515
10	Others	26232	28228
Total		468320	469647

Source :EARAS, DES

TABLE 6.4

NET AREA IRRIGATED (SOURCE WISE)

(in Ha.)

Sl.No.	Source	2013-14	2014-15
1	Government Canal	80007	85654
2	Private Canal	1448	1249
3	Tanks	45283	47095
4	Wells	124850	133421
5	Other Sources	145588	146863
6	Total	397176	414282
7	Gross Irrigated Area	468320	469647
8	Net Area Irrigated to Net area sown(%)	19.37	20.27
9	Gross Irrigated area to gross cropped area(%)	17.94	17.80
10	Irrigated Area under paddy to total irrigated area	32.89	32.08

Source :EARAS, DES

TABLE 6.5

LIVE STORAGE POSITION IN THE RESERVOIRS
(Mm³)

Sl. No.	Item	2013	2014	2015
1	Storage at the beginning of the Monsoon	280.65	415.19	527.83
2	Storage at the end of the monsoon	1261.14	1258.73	1165.01
3	Increase due to Monsoon	980.49	843.54	637.18

Source : Economic Review 2015

TABLE 6.6

AVERAGE FOR 10 YEARS STORAGE POSITION IN RESERVOIRS 2014-15

Storage at the beginning of the Monsoon	450.27
Storage at the end of the monsoon	1156.16
Increase due to Monsoon	705.89

Source : Economic Review 2015

TABLE 6.7

PHYSICAL ACHIEVEMENTS OF MINOR IRRIGATION SCHEMES
(SURFACE WATER)

(in Ha.)

Sl. No.	Name of Schemes	2013-14	2014-15
1	MI Class I	381.39	29.96
2	M I Class II	9	10.2
3	Lift Irrigation works	0	0
4	Repair to MI structure	19.35	8.83
5	MI Class I -NABARD	5017.82	4027.65
6	MI Class II NABARD	0	0
7	Lift Irrigation NABARD		0
Total		5427.56	4076.64

Source : Economic Review 2015

Chapter 7

DRINKING WATER SUPPLY & SANITATION

TABLE 7.1

DISTRICT WISE POPULATION COVERED BY WATER SUPPLY SCHEMES OF KWA 2014-15

Sl.No	District	Population as per 2011 Census	Rural			Urban			Total		
			Rural population covered	Total rural population as per 2011 Census	% of total population	Urban population covered	Total urban population as per 2011 Census	% of Urban population	Total population covered	Total population as per 2011 Census	% of total population
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	3307284	903399	1528030	59.12	894797	1779254	50.29	1798196	3307284	54.37
2	Kollam	2629703	1209521	1443363	83.8	459269	1186340	38.71	1668790	2629703	63.46
3	Pathanamthitta	1195537	418636	1064076	39.34	74427	131461	56.62	493063	1195537	41.24
4	Alappuzha	2121943	882521	974916	9052	201325	1147027	17.55	1083846	2121943	51.08
5	Kottayam	1979384	602652	1413773	42.63	167615	565611	29.63	770267	1979384	38.91
6	Idukki	1107453	291518	1055423	27.62	28161	52025	54.13	319679	1107453	28.87
7	Ernakulam	3279860	1915185	1047296	182.87	760707	2232564	34.07	2675892	3279860	81.59
8	Thrissur	3110327	994509	1040537	95.58	445235	2089790	21.31	1439744	3110327	46.29
9	Palakkad	2810892	765479	2133699	35.88	245035	677193	36.18	1010514	2810892	35.95
10	Malappuram	4110956	863377	2294473	37.63	195727	1816483	10.78	1059104	4110956	25.76
11	Kozhikkode	3089543	500477	1094765	45.72	516655	2074778	24.9	1017132	3089543	32.92
12	Wayanad	816558	430576	784981	54.85	11659	31577	36.92	442235	816558	54.16
13	Kannur	2525637	587210	882745	66.52	158179	1642892	9.63	745389	2525637	29.51
14	Kasargode	1302600	197782	797424	24.8	34975	505176	6.92	232757	1302600	17.87
Total		33387677	10562842	17555501	60.17	4193766	15932171	26.32	14756608	33387677	44.20

Source : Economic Review 2015

TABLE 7.2

DISTRICT WISE NUMBER OF WATER SUPPLY CONNECTIONS AND STREET TAPS 2014-15

Sl. No	Name of District	Water supply Connections				Street Taps		
		Domestic	Non domestic	Industrial	Total	Panchayath	Corporation/ Municipalities	Total
1	Thiruvananthapuram	327243	32445	157	359845	13040	5691	18731
2	Kollam	144989	6576	207	151772	15132	4770	19902
3	Pathanamthitta	63845	4082	38	67965	11171	1575	12746
4	Alappuzha	156033	1939	202	158174	23546	4579	28125
5	Kottayam	85870	5239	43	91152	7730	2096	9826
6	Idukki	22520	2125	6	24651	3209	380	3589
7	Ernakulam	432860	32859	442	466161	28753	9334	38087
8	Thrissur	152875	5508	52	158435	21770	5619	27389
9	Palakkad	115194	7628	89	122911	12569	3180	15749
10	Malappuram	72413	3955	17	76385	7122	2443	9565
11	Kozhikkode	70267	6594	60	76921	4493	3537	8030
12	Wayanad	15010	1476	4	16490	3642	222	3864
13	Kannur	52471	6247	73	58791	5827	1638	7465
14	Kasargode	19100	1062	10	20172	3236	651	3887
Total		1730690	117735	1400	1849825	161240	45715	206955

Source : Economic Review 2015

TABLE 7.3
DISTRICT WISE AND CATEGORY WISE NUMBER OF WATER SUPPLY SCHEMES 2014-15

Sl.No.	Name of District	No. of urban water supply schemes	Rural Water Supply schemes		Total
			Multi Pachayat	Single Panchayat	
1	Thiruvananthapuram	6	12	94	112
2	Kollam	3	8	66	77
3	Pathanamthitta	2	9	63	74
4	Alappuzha	4	1	61	66
5	Kottayam	5	21	85	111
6	Idukki	1	12	89	102
7	Ernakulam	8	17	83	108
8	Thrissur	4	9	104	117
9	Palakkad	4	9	84	97
10	Malappuram	6	10	43	59
11	Kozhikkode	2	13	92	107
12	Wayanad	0	5	25	30
13	Kannur	3	6	111	120
14	Kasargode	1	5	77	83
	Total	49	137	1077	1263

Source : Economic Review 2015

TABLE 7.4

DISTRICT WISE AND CATEGORY WISE NUMBER OF ONGOING WATER SUPPLY SCHEMES DURING 2014-15

District	Number of ongoing water supply schemes																		
	Rural water supply scheme											Urban water supply schemes						Total	
	NRDWP		Technology Mission	TRP schemes funded by GOI	State Plan	SAARK (2010-11)	NABARD	New water supply schemes 2010-11	Externally Assisted (JICA)	Ear marked quality	Deposit works for KWA (for schemes of local bodies/other agencies)	SAARK2009-10New capital schemes	Completion of ongoing UWSS	Externally assisted (JICA)	JNNURM	SAARK2009-10 replacement of old pipes UIODSSDMT	UDSSMT		Bank
	ARWSS	NC/PC																	
Thiruvananthapuram	18			Completed	3		7				121	1	2	1	1	Now taken under new head replacement of old and obsolete pipe			154
Kollam	8				1		1		1			43							54
Pathanamthitta	15	1			1		4					30						1	52
Alappuzha	10		1		1		1					22						1	36
Kottayam	28				4		3					77	1					1	114
Idukki	20						1					34							55
Ernakulam	9	2			1		2					99		1			1		115
Thrissur	6					1	4					423		3				2	439
Palakkad	13	1					2					16		2				2	36
Malappuram	29				2	3	3			2		110							149
Kozhikkode	7	4			1		2					68			1			1	84
Wayanad	2						2			2		68						1	75
Kannur	6				1	1	1					44		3				2	58
Kasargode	7						4					110							121
Total	178	8	1		15	5	37	0	1	4	1265	2	11	2	2		11	1542	

Source : Economic Review 2015

TABLE 7.5

PERCENTAGE OF DRINKING WATER AVAILABILITY IN KERALA 2014-15

Sl. No.	District	Within the premise			Near the premise			Away		
		Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
1	Thiruvananthapuram	82.1	86.1	84.2	11.7	8.6	10.1	6.2	5.3	5.7
2	Kollam	85.0	86.6	85.7	9.5	10.0	9.7	5.4	3.4	4.6
3	Pathanamthitta	78.9	86.1	79.7	12.2	8.5	11.8	8.9	5.4	8.5
4	Alappuzha	70.0	75.1	72.7	17.9	14.3	16.0	12.1	10.6	11.3
5	Kottayam	69.8	80.8	72.9	16.1	12.2	15.0	14.1	7.0	12.1
6	Idukki	39.5	83.7	41.4	32.4	10.3	31.4	28.2	6.0	27.2
7	Ernakulam	78.1	81.3	80.03	14.8	14.9	14.9	7.1	3.7	4.8
8	Thrissur	80.3	85.5	83.8	13.8	10.5	11.6	5.9	4.0	4.6
9	Palakkad	69.3	79.2	71.7	21.1	15.8	19.8	9.6	5.0	8.5
10	Malappuram	78.5	84.7	81.2	13.8	10.3	12.3	7.7	5.1	6.5
11	Kozhikkode	74.0	82.0	79.3	14.1	11.8	12.6	11.9	6.2	8.1
12	Wayanad	59.7	74.1	60.2	23.8	18.8	23.7	16.5	7.2	16.1
13	Kannur	73.1	85.7	81.1	15.0	9.8	11.7	11.9	4.5	7.2
14	Kasaragod	65.9	84.7	73.0	18.23	9.9	15.1	15.9	5.4	11.9
State		72.9	83.3	77.7	16.3	11.5	14.1	10.8	5.2	8.2

Source : Economic Review 2015

Chapter 8

STORAGE FACILITIES

TABLE 8.1
STORAGE CAPACITY OF FCI – KERALA REGION 2013-14 & 2014-15

Sl. No.	District	Depot	Capacity 2013-14		Capacity 2014-15	
			Covered	Open	Covered	Open
1	Thiruvananthapuram	Valiathura	33440	2250	33440	2250
		Kazhakuttom	36136	0	36136	0
2	Kollam	Kollam	11900	0	11900	0
		Karunagapally	30000	0	30000	0
		Avaneeswaram	9200	0	9200	0
		Kilikolloor	5000	1200	5000	1200
3	Alappuzha	Alleppy	10000	0	10000	0
		Mavelikkara	20000	5000	20000	0
4	Kottayam	Chingavanam	15320	0	15320	0
		Arakkulam	5000	0	10000	0
5	CHN	Kochi	18700	0	18700	0
		Angamally	40000	0	40000	0
6	Thrissur	M.G.Kavu	48960	5750	48960	5750
		Chalakkudy	10000	1670	10000	1670

(Contd.....)

Table 8.1 Storage Capacity of FCI – Kerala Region 2013-14 & 2014-15(Contd.....)

Sl. No.	District	Depot	Capacity 2013-14		Capacity 2014-15	
			Covered	Open	Covered	Open
7	Palakkad	Palakkad	70740	5000	70740	5000
		Angadippuram	10000	0	10000	0
8	CLT	West Hill	35160	0	24160	0
		Thikkodi	450000	0	45000	0
		Kuttippuram	5000	0	5000	0
		Meenangadi	5000	0	10000	0
9	Kannur	Muzhappilangad	10640	0	10640	0
		Neeleswaram	9500	0	9500	0
		Payyannur	29000	0	29000	0
10	KTM	CWC Kunnamthanam (Hired)	5000	0	5000	0
Grant Total			518696	20870	517696	15870

Source : Food Corporation of India

TABLE 8.2

PUBLIC DISTRIBUTION SYSTEM IN KERALA- 2008-09 TO 2014-15

Sl. No.	Item	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
1	No. of Ration cards and permits								
	a) Ration Cards for families as on 1 st April	No.	7034886	6835945	7340488	7863698	8100536	8273778	8313107
	b) Ration Permitted for institution as on 1 st April	No.	10952	8709	7603	6311	6311	6311	4751
2	No. of FCI Sub Depots as on 1 st April	No.	22	22	22	22	22	24	22
3	No. of Wholesale shop as on 1 st April								
	a) Co-operatives	No	35	25	36	35	36	28	30
	b) Supplyco	No	0	10	10	9	10	14	12
	c) Others	No	301	300	288	288	287	291	288
	d) Total Wholesale shops	No	336	335	334	333	333	333	330
4	No. Of Retail shops as on 1 st April								
	a) Co-operatives	No	425	423	419	413	411	412	396
	b) Others	No	13819	13816	13833	13854	13890	13912	13935
	c) Total Retail shops	No	14244	14239	14252	14267	14301	14324	14331
5	Sugar (Allotted)	MT	49236	49338	49362	62855	58076	55931	57422
6	Bale Oil (Allotted)	"	0	0	0	0	0	0	0
7	Kerosene (Allotted)	KL	277968	277944	225096	197124	125196	120192	120132

Source : Economic Review 2015

TABLE 8.3

DISTRIBUTION OF RICE & WHEAT, KEROSENE AND SUGAR THROUGH THE PDS IN KERALA

Year	Rice (MT)	Wheat (MT)	Kerosene(KL)	Sugar (MT)
2007-08	854105	258932	249871	37023
2008-09	859091	202607	243962	53786
2009-10	1013931	172287	244873	68147
2010-11	1159597	186545	196923	86776
2011-12	1276636	153955	166424	60316
2012-13	1265618	180268	125196	58076
2013-14	1302739	200564	120192	54264
2014-15	1328835	178976	94077	55255

Source : Economic Review 2015

TABLE 8.4

OUTLETS OPENED BY THE CIVIL SUPPLIES CORPORATION IN KERALA

Sl. No.	Outlets	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
1	Maveli store (including Mobile Maveli store)	28	25	67	18	38	37	24
2	Super Markets	48	40	17	15	8	8	7
3	People's Bazar	7	1	3	3	1	2	3
4	Medical Stores	20	7	1	—	2	5	6
5	Petrol Bunks	1	1	—	—	1	—	1
6	LPG outlets	—	—	—	—	—	—	—
7	Premium Store	—	1	—	1	—	—	—
8	Hyper Market	—	1	2	—	1	—	—
9	Apna Bazar	—	1	—	—	—	—	—
Total		104	77	90	37	51	52	41

Source : Economic Review 2015

TABLE 8.5
DISTRICT-WISE DISTRIBUTION OF FOOD GRAINS UNDER AAY AND ANP SCHEMES DURING 2014-15
RICE (IN MT)

Sl. No.	Name of District	AAY				ANP			
		Allotment	Lifting	Off-take	% of off-take Against allotment	Allotment	Lifting	Off-take	% of off-take against allotment
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	27480	27480	26259	95.56	147	147	246	167
2	Kollam	21902	219002	20682	94.43	108	108	119	110
3	Pathanamthitta	11004	11004	10754	97.73	164	164	198	121
4	Alappuzha	18398	18398	17609	95.71	69	69	127	184
5	Kottayam	14676	14676	14309	97.5	78	78	119	153
6	Idukki	13601	13601	13229	97.27	75	75	93	124
7	Ernakulam	16346	16346	16315	99.81	148	148	182	123
8	Thrissur	24539	24539	23374	95.25	74	74	83	113
9	Palakkad	20166	20166	18757	93.01	99	99	125	126
10	Malappuram	23218	23218	22433	96.62	235	235	309	131
11	Kozhikkode	17707	17707	17287	97.63	157	157	169	108
12	Wayanad	17451	17451	17118	98.09	169	169	157	93
13	Kannur	15006	15006	14707	98.01	181	181	143	79
14	Kasargod	8766	8766	8718	99.46	154	154	235	153
Total		250260	250260	241551	96.52	1858	1858	2305	124

Source : Economic Review 2015



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