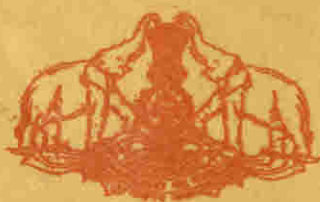


State Income



GOVERNMENT OF KERALA

A  
BROCHURE ON  
GROSS FIXED CAPITAL  
FORMATION IN KERALA  
1993-94 TO 1997-98

DEPARTMENT OF ECONOMICS AND STATISTICS  
THIRUVANANTHAPURAM  
2006

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**DEPARTMENT OF ECONOMICS AND STATISTICS  
THIRUVANANTHAPURAM  
2006**

## PREFACE

Directorate of Economics and Statistics through its data processing and analysis helps to monitor the growth of the economy in different sectors and provides database for various economic indicators. Of these capital formation holds an important place as it reflects to that part of the State's total expenditure which is not consumed but set apart for further production process.

Gross Fixed Capital Formation which constitutes a major part of capital formation is measured largely by the total value of a producer's acquisition, less disposals of tangible or intangible assets that are used repeatedly or continuously in other process of production for more than one year. These include buildings, civil works, machinery, etc. and changes in stock of raw materials, finished goods and semi finished goods.

The present report, being the fourth in the series is an attempt to study and analyse the growth of Gross Fixed Capital Formation both in the private and public sectors. For the State Government sectors the data is based on the economic classification of the State Budget and provides comprehensive analysis of the fixed capital formation in the sector as administrative departments and departmental enterprises are dealt with separately. For the private sector the annual reports collected from the concerns are used.

This is an outcome of the sincere efforts of the concerned section of the State Income unit of this department. Valuable information provided by the various public bodies for the preparation of this report is greatly acknowledged. The contents of this report may be useful to planners, Administrators, Researchers and others interested on this subject.

Constructive Comments and suggestions for further improvement of the contents are cordially invited.

**M.R. Balakrishnan**  
Director

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# **Gross Fixed Capital Information at State Level**

## **Chapter 1**

### **Methodology**

#### **1.1 Introduction**

Capital being one of the four factors of production plays an important role in the production process. Capital Formation is considered as a barometer to measure the growth of the productive capacity of the economy. As such, it is of vital importance when efforts are made through planning programmes to uplift the economy. The higher the rate of growth of Capital Formation higher would be the productive capacity of the economy.

#### **1.2 The Concept, Scope and Coverage**

Domestic capital formation is defined as that part of country/state's current output and imports which is not consumed or exported during the accounting period but is set aside as addition to its stock of capital goods. Total capital formation can be broadly classified into Fixed Capital Formation and change in stock of raw materials and semi finished and finished goods.

Gross Fixed Capital Formation represents the gross value of goods, which are added to the fixed domestic capital stocks during an accounting year. It comprises of expenditure on the acquisition as well as own account production of fixed assets. Gross Fixed Capital Formation consists of outlays of industries and producers of Government services, private non profit services to households in addition to their fixed assets minus their net sales. These include (1) durable goods (2) improvement and alteration of durable good which significantly extend the expected life time or productivity of the assets (3) new construction and major improvements which extend its life period (4) reclamation and extension of timber, tracts, mines, plantations and similar other agricultural holdings (5) breeding stocks, drought animals, dairy cattle and the like.

Non reproducible tangible assets like land, mineral deposits, timber tracts etc. are not included in capital formation but dealers margins, service charges and other transfer costs in regard to transactions in such assets form part of capital formation.

Gross Fixed Capital Formation include expenditure on land clearance, irrigation works, plantation and cultivation of new timber tracts, new fruit and sap bearing trees, vines, etc. which yield products after a number of years. After such plantations and cultivations become productive, further outlays in respect of the cultivation is considered as intermediate consumption. The clearance and afforestation of timber tracts and forests are treated land improvement activity and are included in gross fixed capital formation.

The capital expenditure on soil conservation activity by the public sector for conservation of forests is included under capital formation. Similar soil conservation activity in the private sector is considered as own account construction, which is classified under the construction industry.

Expenditure on current repairs and maintenance for keeping the fixed assets in proper working order does not form part of capital formation. Expenditure on alterations and additions or replacements of the parts of fixed assets which have an expected life time of one year or more and involve substantial outlays and also extend the life of fixed assets or increase their productivity is considered as capital expenditure.

### 1.3 The significance of capital formation

The capital formation of a country is considered as a major determinant of its economic growth. The growth of capital formation is thus an index of economic development. It is the capital formation that leads to the full utilization of available resources, which leads to increase in the size of national output, income and employment and thereby increase the standard of living of the people. It is capital formation that leads to proper exploitation of the natural resources and establishment of different types of industries resulting in increased level of the income and employment. This enables increase in the economic welfare of the society. Thus capital formation can rightly be considered as the index of economic development in an under developed or developing country.

### 1.4 Estimation: the approach

The commodities which constitute fixed capital formation is valued at purchasers price which covers all costs connected with the acquisition and installation of the items of assets. Estimates of gross fixed capital formation have been prepared as per the methodology provided by Central Statistical Organization by type of assets, by industry of use and by type of institution.

#### (1) Type of assets: -

By type of assets, Gross Fixed Capital Formation refers to gross addition of fixed assets in stock during the accounting years under the following heads.

#### (a) Construction

**Building:** Building include residential and non-residential structures. All expenditure on new construction and major alterations to residential and non residential buildings including all costs of permanent fixtures has been treated as capital expenditure. Non residential buildings include buildings and structures which are entirely or primarily used for industrial or commercial purposes e.g. Industrial buildings, office buildings, hotels, etc..

**Road and Bridges:** Expenditure on construction of Roads, Bridges and culverts, etc.

**Other Construction:** Other construction includes construction and maintenance expenditure on parking facilities, pipelines, electricity transmission lines, telephone/telegraph lines, dams, irrigation works, land reclamation etc.

#### (b) Machinery and equipment – The various items of machinery and equipment are classified into

- (i) Capital goods
- (ii) Parts of capital goods
- (iii) Partly capital goods
- (iv) Part of partly capital goods.

The total of (i) and specified percentage of (ii) to (iv) on the basis of Annual Survey of Industries data are taken as capital formation.

The estimates of gross domestic fixed capital formation in construction and machinery and equipment are aggregated to arrive at the estimates of gross domestic fixed capital formation by type of assets.

However, due to paucity of data estimation of gross fixed capital formation by type of assets is attempted only in the public sector in this report.

### **1.5 By Industry of use**

The expenditure approach is primarily followed for estimation of gross fixed capital formation (GFCF) by industry of use. The whole economy is classified by user industries broadly in terms of the industrial classification used for measurement of net domestic product. Each industrial activity is further divided into public and private sectors wherever relevant. Under private sector under each activity has been further divided into organised and unorganised sectors whenever data are available.

#### **(a) By Type of institution**

Estimates of gross fixed capital formation by type of institutions are in respect of Government Administrative Departments, Departmental Enterprises and Non departmental Enterprises. These estimates are prepared from the data available in the budget of public sector Enterprises/Companies.

### **1.6 Agriculture including Livestock**

**(a) Agriculture proper:** The expenditure on Gross Fixed Capital Formation in State Government Departmental enterprises have been collected out from the State Government budget document and of the non-departmental enterprises from the balance sheet or annual reports of the enterprises.

The source of information of Gross Fixed Capital Formation in the household sector of Agriculture is based on the expenditure on farm business available in AIDIS. The base year estimates of gross fixed capital formation of the reporting households in respect of rural and urban sectors are obtained separately from this report.

The latest two census provides the number of rural and urban household separately. Using the geometric growth rate, the number of households during the year 1993-94 to 1997-98 have been estimated.

The per household gross fixed capital formation for the base year has been arrived at by using per household expenditure and the number of households as estimated from the survey results separately for rural and urban sectors.

Gross Fixed Capital Formation at current prices for rural and urban sectors has been obtained at by using the per house hold gross fixed capital formation for the base year and the index of average daily wages of unskilled labours in construction-sector.

The Gross Fixed Capital Formation at current prices thus obtained for rural and urban sectors have been finally aggregated to obtain the Gross Fixed Capital Formation from farm business.



## **(b) Livestock**

For the estimation, the value of breeding stock, drought animals, diary cattle etc which form part of capital formation has been added. As the annual data on livestock population are not available, the different categories of livestock as given in the quinquennial livestock census of 1987 and 1996 have been considered and the number of each category estimated using geometric growth rates.

The data regarding bullocks and bulls over three years not in use, cows over 3 years not in use, female goats of one year and above not in milk, etc. are excluded from the purview of capital formation. The cattle, male over three years, cows in milk, buffaloes, male over three years she-buffaloes in milk, goats – female of one year and over in milk, males of one year and over as provided in the census have been considered to form part of capital formation of livestock component. The increment of each category every year is estimated and then evaluated using the average price of the category each year. Only 4% of the male goats have been considered to be the capital formation component of this category

### **1.7 Forestry and Logging**

The Government of Kerala have taken over the private forests of the State by an Act. Therefore, the capital expenditure on forest preservation, extension etc. of the state is the contribution of the Public sector only. The capital formation component of this sub sector is obtained from the analysis of the State Government Budgets.

### **1.8 Fishing**

The livestock census of 1987 and 1996 provide information on the number of different categories of mechanised and non-mechanised boats and other major fishing equipments like fishing gears and catamarans engaged in fishing activity. The number of fishing boats and equipments during the years 1993-94 and 1997-98 has been estimated using the geometric growth rate of the inter census years and then the increment during each year is worked out. The average price of the different categories of boats and equipments each year collected from the State department of fisheries have been used to evaluate the increment of boats each year. The gross fixed capital formation in fisheries sector at current price is thus obtained.

### **1.9 Mining and quarrying**

There is no departmental enterprises coming under this sub sector in Kerala.

In the case of non-departmental commercial undertakings, the Kerala Minerals and Metals is considered in public sector. The unorganised sector is estimated on the basis of NSS round.

### **1.10 Manufacturing (Registered)**

Annual Survey of Industries provide on value of stock and addition to the fixed capital during the accounting years. The details of capital stock separately for (i) Land (ii) Improvement to land and other construction (iii) building (iv) plant and machinery (v) Transport equipment (vi) tools and other fixed assets and (vii) assets under construction/installation are available. Expenditure on land does not form part of capital formation and hence excluded from the estimates.

### 1.11 Manufacturing (un-registered)

Those manufacturing enterprises, which do not come under the purview of the Indian Factories Act 1948, are considered under this sub sector. The 34<sup>th</sup> round of NSS provides data on fixed assets of manufacture and repair services in the unregistered sector. The whole of the unregistered sector of the manufacturing industry has been brought under the coverage of the survey. The data obtained in the report of NSS 34<sup>th</sup> round has been used to estimate the contribution to gross fixed capital formation from this sub-sector. The addition to fixed assets per enterprise and the estimated number of enterprises both rural and urban have been considered and the combined estimates of Gross Fixed Capital Formation arrived at for the base year. The base year estimates are moved to later years using appropriate indices.

### 1.12 Electricity, Gas and Water supply

Electricity generation and distribution in Kerala is mainly the activity of Kerala State Electricity Board categorised under NDCU's. The annual accounts of the KSEB have been analysed and the Gross Fixed Capital Formation is estimated. Since the private sectors are covered under Annual Survey of Industries. Separate estimates have not been prepared under this head.

The Kochin Oil Refineries is engaged in the manufacture LPG. This has been considered to assess the capital formation of this sub-sector – Gas.

The estimates of Gross Fixed Capital Formation from water supply relating to public sector is prepared on the basis of State Government Budget up to 1984-85. From 1985-86 onwards the schemes under this head are implemented by the water authority of Kerala and hence no details are available in the Budget Documents. No data have been received from water authority also and hence not incorporated in this issue.

### 1.13 Construction

The fixed capital formation in the construction sector comprises if net addition to machinery and equipment, tools and implements of construction enterprises. The annual balance sheets/accounts have been analysed and estimates of Gross Fixed Capital Formation obtained. The construction expenditure culled out from the State Government Budget has also been taken into account.

The estimates from private sector is limited to unorganised sector based on NSS 34<sup>th</sup> round results due to non-availability of data from other sources.

### 1.14 Transport, Storage and Communication

#### a) Railways

This being a supra-regional sector, the Central Statistical Organisation is to prepare the State-wise estimates of capital formation and supply the same to the states for incorporation in the State level estimates as recommended by the Regional Accounts Committee. The data have been supplied by Central Statistical Organisation.

*b) Transport by other means & storage*

The State Government Budget provides information capital expenditure on machanised Transport – Road and Water.

In respect of non departmental enterprises, the annual accounts of KSRTC, the Kerala Inland Navigation Corporation and Cochin Port Trust have been analysed.

The enterprise survey 1983-84 conducted by Central Statistical Organisation provides information on mechanised and non-mechanised transport in private sector. The base year estimates of Gross Fixed Capital Formation is moved for the latest years using the growth rate observed to the Gross Domestic Product of the respective sector.

In the public sector there is no departmental enterprises in storage. The Ware Housing Corporation and Food Corporation of India are non-departmental enterprises of this sector. The annual accounts of these enterprises have been analysed to obtain the capital formation component of storage.

*c) Communication*

The Government of India demands for grant for the Indian posts and telegraph department and Ministry of Communications is the main source of information. The activities covered under this sector are Posts and Telegraphs, Telecommunications and Overseas Communication service. The details of Capital expenditure at the national level for posts and telegraph and Telecommunication are presented in the budget relating to Posts and Telegraph Department. As per the recommendation of the Regional Accounts Committee, the Central Statistical Organisation is to prepare the State-wise estimates of fixed capital formation. The Central Statistical Organisation has supplied the estimates.

**1.15 Trade, Hotels and Restaurants**

The annual accounts of the non-departmental commercial undertakings engaged in trading activities are analysed to obtain the Gross Fixed Capital Formation of these enterprises.

The private sector estimates for the base year are prepared on the basis of data available in NSS 34<sup>th</sup> round, Directory Establishment Survey 1985-86. For Trade and Enterprises Survey on Hotels and Restaurants 1983-84. The base year estimates are moved to later years with the help of gross value added in the sector.

**1.16 Banking and Insurance**

The State-wise estimates of Capital formation in respect of Nationalised Banks, Life Insurance Corporation of India, Reserve Bank of India, etc. is to be provided by Central Statistical Organisation as recommended by the Regional Accounts Committee. The details have been obtained from the Central Statistical Organisation and incorporated.

**1.17 Real Estate, Ownership of Dwellings**

Gross Fixed Capital Formation under residential buildings based on AIDIS 1981-82 has been used for preparing the base year estimates under this head. The base year estimates are moved to later years using the building cost index numbers.

### **1.18 Public Administration**

This sector consists of the capital expenditure of Central Government administration in respect of the State, State Government administration and local bodies, corporations, municipalities and panchayats.

The estimates of capital expenditure in respect of Central Government administration at the State level is provided by Central Statistical Organisation.

The State Government budgets have been analysed to obtain the capital expenditure of State Government administration.

The capital outlay of corporation and municipalities have not been covered in this report as its complete analysis is pending. The construction expenditure and expenditure on machinery are the components of Gross Fixed Capital Formation considered under this sector.

### **1.19 Other Services**

The expenditure of State Government under this sector is taken from the State Government budget. The non-departmental commercial undertakings coming under this sector is also considered.

The Gross Fixed Capital Formation in private sectors is computed for the base year as per the enterprise survey, 1983-84 on service sector. The base year estimates are moved forward using the indices of GDF in the respective sector.

## **Chapter 2**

### **Analytical Interpretation**

The estimates of Gross Fixed Capital Formation for the year 1993-94 to 1997-98 are analysed industry wise below. Table I presents the Gross Fixed Capital Formation by industry of use.

The total capital formation estimates show an upward trend during the entire period starting for 1993-94 to 1997-98. Real estate and ownership of dwellings form major portion of the total Gross Fixed Capital Formation during the entire period under report ranging from 10.92% to 16.68%. Agriculture ranges from 12.70% to 16.21%. Forestry and Logging ranges from 0.16% to 0.52%. Fishing ranges from 1.08% to 1.50%. Mining and Quarrying show a downward trend from 0.34% to 0.19%. Manufacturing varies from 6.63% to 20.3%. Electricity gas and water supply ranges from 11.15% to 24.87%. Construction ranges from 3.44% to 5.32% Transport Storage and Communication varies from 14.61% to 17.84%. Trade Hotel and Restaurant ranges from 1.15% to 1.44%. Banking and Insurance ranges from 1.83% to 5.18%. Public Administration ranges from 7.04% to 8.88%. Other services range from 3.9% to 5.23% of the total Gross Fixed Capital Formation.

Table II shows the percentage distribution of Gross Fixed Capital Formation .

The table III presents the Gross Fixed Capital Formation both in public and private sectors. During the period under report the contribution of private sector forms 33.09% to 46.89% of the total Gross Fixed Capital Formation .

#### **Gross Fixed Capital Formation in State Government sector**

The State Government sector consists of Administrative Departments and Departmental Enterprises.

##### **Administrative Departments**

The Gross Fixed Capital Formation of Administrative Departments are obtained from the State Government Budgets. The expenditure approach is followed for estimation of capital formation from Government Budgets. For the estimation of gross capital formation, the items such as construction, machinery and equipments, net purchase of second hand assets and change in stock etc. were considered.

##### **Departmental Enterprises:**

Gross Capital Formation under this sector is estimated by analysing the annual accounts of the departmental enterprises including State Government Budgets.

##### **Gross Capital Formation by type of Assets**

The Gross Capital Formation of Administrative Departments and Departmental enterprises by type of assets is shown in table IV. The table reveals that the estimates of Gross Capital Formation for the year 1993-94 is 340 crores. During the years 1994-95 and 1995-96 increased to 474 crores and 585

crores respectively. But during the year 1996-97 the estimate decreased to 570 crores and in 1997-98 it increased to 645 crores.

### **Gross Capital Formation - by Industry of use**

The Gross Capital Formation of Administrative Department and Departmental enterprises is analysed by Industry of use in table V. The expenditure under various heads of the State Government Administrative Departments and Departmental enterprises are classified under Agriculture, Forestry, Fishing, Manufacturing, Construction, Water Supply, Other Transport, Other Services and Public Administration. The table reveals that the public Administration ranks first place with 46% in 1993-94, 54% in 1994-95, 57% in 1995-96, 52% in 1996-97 and 57% in 1997-98. The share of Agriculture sector varies only from 29% to 35%.

### **Gross Capital Formation by type of Institutions**

Administrative Departments and departmental enterprises constitute the State Government sector. The contribution of these sectors is analysed by type of institution in Table VI. The table reveals that the major portion of Gross Capital Formation is contributed by Administrative Departments during the years under reference. It varies from 58% to 68% during the years under reference.

### **Conclusion**

The estimation of Gross Fixed Capital Formation in the State covered mainly private and public sectors. Even though the coverage is greater in public sector, private sector occupies the major share of the total Gross Capital Formation.

Detailed statements of Gross Fixed Capital Formation relating to all-important activities are presented in annexure to this report.

I. Gross Fixed Capital Formation - by industry of use at current prices

Sl. No.	Industrial Classification	1993-94	1994-95	1995-96	1996-97	1997-98
1	2					
1	Agriculture	3	4	5	6	7
2	Forestry and logging	43180	54350	66268	77643	87845
3	Fishing	1372	1409	1051	1236	1064
4	Mining and quarrying	3553	4416	5876	7756	10208
5	Manufacturing	901	1022	1227	1115	1279
6	Electricity, Gas & Water supply	28150	27229	105975	100741	129774
7	Construction	29700	115478	101108	131372	168985
8	Transport, Storage & Communication	12346	21846	26537	20468	23571
9	Trade, Hotels & Restaurants	47521	64895	79815	99919	99276
10	Banking and Insurance	3835	4835	6024	- 7019	8440
11	Real estate and ownership of dwellings	13796	14257	12071	11454	12422
12	Public administration	44415	48775	56958	70937	85270
13	Other services	23647	34904	38482	41940	51423
	<b>Total</b>	<b>13938</b>	<b>17083</b>	<b>20336</b>	<b>24190</b>	<b>51423</b>
		<b>266354</b>	<b>410499</b>	<b>521728</b>	<b>595790</b>	<b>679557</b>

## II. Gross Fixed Capital Formation – by industry of use at current prices (Percentage Distribution)

Sl. No.	Industrial Classification	1993-94	1994-95	1995-96	1996-97	1997-98
1	2	3	4	5	6	7
1	Agriculture	16.21	13.24	12.70	13.03	12.93
2	Forestry and logging	0.51	0.34	0.20	0.21	0.16
3	Fishing	1.33	1.08	1.13	1.30	1.50
4	Mining and quarrying	0.34	0.25	0.24	0.19	0.19
5	Manufacturing	10.57	6.63	20.31	16.91	19.10
6	Electricity, Gas & Water supply	11.15	28.13	19.38	22.05	24.87
7	Construction	4.64	5.32	5.05	3.44	3.47
8	Transport, Storage & Communication	17.84	15.80	15.30	16.77	14.61
9	Trade, Hotels & Restaurants	1.44	1.18	1.15	1.18	1.24
10	Banking and Insurance	5.18	3.47	2.31	1.92	1.83
11	Real estate and ownership of dwellings	16.68	11.88	10.92	11.91	12.55
12	Public administration	8.88	8.50	7.38	7.04	7.57
13	Other services	5.23	4.16	3.90	4.06	-
	<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>



III. Gross Fixed Capital Formation by "Industry of Use" in Public and Private Sectors 1993-94 to 1995-96

Sl. No.	Sectors	1993-94			1994-95			1995-96		
		Public 3	Private 4	Total 5	Public 6	Private 7	Total 8	Public 9	Private 10	Total 11
1	Agriculture	12617	30563	43180	16585	37765	54350	17187	49081	66268
2	Forestry and logging	1372	-	1372	1409	-	1409	1051	-	1051
3	Fishing	-	3553	3553	4416	-	4416	-	-	4416
4	Mining and quarrying	68	833	901	26	996	1022	116	1111	1227
5	Manufacturing	-	28150	28150	-	27229	27229	-	105975	105975
6	Electricity, Gas & Water supply	29700	-	29700	115478	-	115478	101108	-	101108
7	Construction	12242	104	12346	21724	122	21846	26387	150	26537
8	Transport, Storage & Communication	43587	3934	47521	59985	4910	64895	73742	6073	79815
9	Trade, Hotels & Restaurants	-	3835	3835	-	4835	4835	-	6024	6024
10	Banking and Insurance	13796	-	13796	14257	-	14257	12071	-	12071
11	Real estate and ownership of dwellings	-	44415	44415	-	48775	48775	-	56958	56958
12	Public administration	23647	-	23647	34904	-	34904	38482	-	38482
13	Other services	4438	9500	13938	5888	11195	17083	7767	12569	20336
	<b>Total</b>	<b>141467</b> (53.11%)	<b>124887</b> (46.89%)	<b>266354</b>	<b>274672</b> (66.91%)	<b>135827</b> (33.09%)	<b>410499</b>	<b>277911</b> (53.27%)	<b>243817</b> (46.73%)	<b>521728</b>

(Rs. in lakhs)

III. Gross Fixed Capital Formation by "Industry of Use" in Public and Private Sectors 1996-97 to 1997-98 (Contd.)

(Rs.in lakhs)

Sl. No.	Sectors	1996-97			1997-98		
		Public	Private	Total	Public	Private	Total
		12	13	14	15	16	17
1	Agriculture	19047	58596	77643	18952	68893	87845
2	Forestry and logging	1236	-	1236	1064	-	1064
3	Fishing	-	7756	7756	-	10208	10208
4	Mining and quarrying	50	1065	1115	30	1249	1279
5	Manufacturing	-	100741	100741	-	129774	129774
6	Electricity, Gas & Water supply	131372	-	131372	168985	-	168985
7	Construction	20287	181	20468	23343	228	23571
8	Transport, Storage & Communication	92989	6930	99919	90681	8595	99276
9	Trade, Hotels & Restaurants	-	7019	7019	-	8440	8440
10	Banking and Insurance	11454	-	11454	12422	-	12422
11	Real estate and ownership of dwellings	-	70937	70937	-	85270	85270
12	Public administration	41940	-	41940	51423	-	51423
13	Other services	9423	14767	24190	-	-	-
	<b>Total</b>	<b>327798</b> (55.02%)	<b>267992</b> (44.98%)	<b>595790</b>	<b>366900</b> (53.99%)	<b>312657</b> (46.01%)	<b>679557</b>

**IV. Gross Fixed Capital Formation in State Government sector by 'Type of Institutions' and by 'Type of Assets' at Current Prices**

Year/ Type of Institution	(Rs. In Lakhs)											
	Construction					Machinery and equipment			Net purchase of sehand physical assets	Gross fixed capital Formation (5+8+9)	Change in stock	Gross capital formation (10 + 11)
	Building	Roads & Bridges	Other construction	Total construction (col.2+3+4)	Plant & Machinery	Transport equipment	Total machinery equipment (6+7)					
1	2	3	4	5	6	7	8	9	10	11	12	
1993-94	GA	6325	7472	4085	17882	1570	1106	2676	(- ) 74	20484	(- ) 637	19847
	DE	765	65	12182	13012	197	44	241	500	13753	379	14132
	<b>Total</b>	<b>7090</b>	<b>7537</b>	<b>16267</b>	<b>30894</b>	<b>1767</b>	<b>1150</b>	<b>2917</b>	<b>426</b>	<b>34237</b>	<b>(- ) 258</b>	<b>33979</b>
1994-95	GA	9663	14655	4930	29248	2306	337	2643	(- ) 10	31881	(- ) 415	31466
	DE	603	39	14498	15140	275	45	320	-	15460	505	15965
	<b>Total</b>	<b>10266</b>	<b>14694</b>	<b>19428</b>	<b>44388</b>	<b>2581*</b>	<b>382</b>	<b>2963</b>	<b>(- ) 10</b>	<b>47341</b>	<b>90</b>	<b>47431</b>
1995-96	GA	10836	12050	8240	31126	2745	1007	3752	(- ) 45	34833	5029	39862
	DE	472	72	17361	17905	420	64	484	-	18389	259	18648
	<b>Total</b>	<b>11308</b>	<b>12122</b>	<b>25601</b>	<b>49031</b>	<b>3165</b>	<b>1071</b>	<b>4236</b>	<b>(- ) 45</b>	<b>53222</b>	<b>5288</b>	<b>58510</b>
1996-97	GA	11046	13594	7577	32217	5365	693	6058	(- ) 16	38259	(- ) 827	37432
	DE	552	93	18177	18822	249	49	298	-	19120	443	19563
	<b>Total</b>	<b>11598</b>	<b>13687</b>	<b>25754</b>	<b>51039</b>	<b>5614</b>	<b>742</b>	<b>6356</b>	<b>(- ) 16</b>	<b>57379</b>	<b>(- ) 384</b>	<b>56995</b>
1997-98	GA	14417	19490	6332	40239	3747	1254	5001	(- ) 67	45173	(- ) 1036	44137
	DE	376	79	18960	19415	423	131	554	-	19969	401	20370
<b>Total</b>		<b>14793</b>	<b>19569</b>	<b>25292</b>	<b>59654</b>	<b>4170</b>	<b>1385</b>	<b>5555</b>	<b>(- ) 67</b>	<b>65142</b>	<b>(- ) 635</b>	<b>64507</b>

GA-Government Administration

DE-Departmental enterprises

V. Gross Capital Formation in State Government Sectors in Kerala by Industry of use at current prices

Sl. No.	Industry of use	1993-94		1994-95		1995-96		1996-97		1997-98	
		Accounts	%	Accounts	%	Accounts	%	Accounts	%	Accounts	%
1	2	3	4	5	6	7	8	9	10	11	12
1	Agriculture	11882	34.97	13776	29.04	16791	28.70	17618	30.91	18591	28.82
2	Forestry and logging	1332	3.92	1399	2.95	1049	1.79	1223	2.15	1057	1.64
3	Manufacturing (3.1+3.2)	131	0.39	70	0.15	101	0.17	141	0.25	158	0.24
	3.1 Printing press	131	0.39	70	0.15	101	0.17	141	0.25	158	0.24
	3.2 Milk supply	-	-	-	-	-	-	-	-	-	-
4	Construction	66	0.19	7	0.02	8	0.01	-	-	(-48)	(-)
5	Water supply	-	-	-	-	-	-	-	-	-	0.07
6	Other Transport	787	2.31	720	1.52	707	1.21	581	1.02	558	0.87
	6.1 Port, Pilotage, Light house & Light ship	6	0.02	230	0.49	553	0.95	517	0.91	360	0.56
	6.2 Civil Aviation	-	-	-	-	-	-	-	-	-	-
	6.3 Others	781	2.29	490	1.03	154	0.26	64	0.11	198	0.31
7	Other services	4320	12.71	5688	11.99	6796	11.62	7829	13.73	7339	11.38
	a) Education	3647	10.73	4058	8.56	4971	8.50	5705	10.01	6186	9.59
	b) Medical	603	1.77	994	2.09	1425	2.44	1017	1.78	1138	1.77
	c) Family Welfare	-	-	-	-	-	-	-	-	-	-
	d) Public Health & Sanitation	70	0.21	636	1.34	400	0.68	1107	1.94	15	0.02
8	Public Administration	15461	45.50	25771	54.33	33058	56.50	29603	51.94	36846	57.12
	<b>Total</b>	<b>33979</b>	<b>100.0</b>	<b>47431</b>	<b>100.0</b>	<b>58510</b>	<b>100.0</b>	<b>56995</b>	<b>100.0</b>	<b>64501</b>	<b>100.0</b>

**VI. Gross Capital Formation in State Government sectors in Kerala by type of Institution**

(Rs. In lakhs)

Sl. No.	Type of Institution	Accounts						
		1993-94	1994-95	1995-96	1996-97	1997-98		
1	2	3	4	5	6	7		
1	General Administrative Department	19847	31466	39862	37432	44137		
2	Departmental Enterprises	14132	15965	18648	19563	20370		
	Total Gross Capital formation	33979	47431	58510	56995	64507		

Annexure J

Gross Fixed Capital Formation 'by industry of use and by type of institution detailed statement (at current prices)

Sl. No	Industry of use Type of Institutions	1993-94			1994-95			(Rs. In lakhs)		
		Public	Private	Household	Total	Public	Private		Household	Total
		3	4	5	6	7	8		9	10
I	<b>Agriculture</b>									
	1. Government administration and Departmental Enterprises	11882	-	-	11882	13776	-	-	13776	
	2. NDCUs	735	-	-	735	2809	-	-	2809	
	3. Household sector	-	-	30399	30399	-	-	37584	37584	
	4. Livestock	-	164	-	164	-	181	-	181	
	<b>Sub Total</b>	12617	164	30399	43180	16585	181	37584	54350	
II	<b>Forestry and logging</b>									
	1. Government administration and Departmental Enterprises	1332	-	-	1332	1399	-	-	1399	
	2. NDCUs	40	-	-	40	10	-	-	10	
	<b>Sub Total</b>	1372	-	-	1372	1409	-	-	1409	
III	<b>Fishing</b>									
	Mechanised, non mechanised and other major fishing equipments	-	3553	-	3553	-	4416	-	4416	
	<b>Sub Total</b>	-	3353	-	3553	-	4416	-	4416	

## Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1995-96				1996-97				1997-98			
		Public	Private	House- hold	Total	Public	Private	House- hold	Total	Public	Private	House- hold	Total
1	2	11	12	13	14	15	16	17	18	19	20	21	22
<b>I</b>	<b>Agriculture</b>												
	1. Government administration and Departmental Enterprises	16791	-	-	16791	17618	-	-	17618	18597	-	-	18597
	2. NDCUs	396	-	-	396	1429	-	-	1429	355	-	-	355
	3. Household sector	-	-	48634	48634	-	-	57864	57864	-	-	68016	68016
	4. Livestock	-	447	-	447	-	732	-	732	-	877	-	877
	<b>Sub Total</b>	<b>17187</b>	<b>447</b>	<b>48634</b>	<b>66268</b>	<b>19047</b>	<b>732</b>	<b>57864</b>	<b>77643</b>	<b>18952</b>	<b>877</b>	<b>68016</b>	<b>87845</b>
<b>II</b>	<b>Forestry and logging</b>												
	1. Government administration and Departmental Enterprises	1049	-	-	1049	1223	-	-	1223	1057	-	-	1057
	2. NDCUs	2	-	-	2	13	-	-	13	7	-	-	7
	<b>Sub Total</b>	<b>1051</b>	<b>-</b>	<b>-</b>	<b>1051</b>	<b>1236</b>	<b>-</b>	<b>-</b>	<b>1236</b>	<b>1064</b>	<b>-</b>	<b>-</b>	<b>1064</b>
<b>III</b>	<b>Fishing</b>												
	Mechanised, non mechanised and other major fishing equipments	-	5876	-	5876	-	7756	-	7756	-	10208	-	10208
	<b>Sub Total</b>	<b>-</b>	<b>5876</b>	<b>-</b>	<b>5876</b>	<b>-</b>	<b>7756</b>	<b>-</b>	<b>7756</b>	<b>-</b>	<b>10208</b>	<b>-</b>	<b>10208</b>

Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1993-94			1994-95			Total	Household	Total
		Public	Private	Household	Public	Private	Household			
I	2	3	4	5	6	7	8	9	10	
IV	Mining and quarrying									
	a) NDCUs	68	-	-	68	26	-	-	26	
	b) Private sector	-	833	-	833	-	996	-	996	
	Sub Total	68	833	-	901	26	996	-	1022	
V	Manufacturing									
	a) Registered factories ASI	-	25472	-	25472	-	23681	-	23681	
	b) Government sectors	131	-	-	131	70	-	-	70	
	c) NDCUs	-	-	-	-	-	-	-	-	
	d) Private sectors (unregistered)	-	2678	-	2678	-	3548	-	3548	
	Sub Total	131	28150	-	28281	70	27229	-	27299	
VI	Electricity, Gas & Water supply									
	a) Electricity	23189	-	-	23189	82175	-	-	82175	
	b) Gas	6511	-	-	6511	33303	-	-	33303	
	c) Water supply	-	-	-	-	-	-	-	-	
	Sub Total	29700	-	-	29700	115478	-	-	115478	
VII	Construction									
	a) State Government sector	13012	-	-	13012	15140	-	-	15140	
	b) NDCUs	(-) 770	-	-	(-) 770	6584	-	-	6584	
	c) Private sector	-	104	-	104	-	122	-	122	
	Sub total	12242	104	-	12346	21724	122	-	21846	



Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1995-96			1996-97			1997-98					
		Public	Private	Household	Total	Public	Private	Household	Total	Public	Private	Household	Total
I	2	11	12	13	14	15	16	17	18	19	20	21	22
IV	<b>Mining and quarrying</b>												
	1) NDCUs	116	-	-	116	50	-	-	50	30	-	-	30
	2) Private sector	-	1111	-	1111	-	1065	-	1065	-	1249	-	1249
	<b>Sub Total</b>	116	1111	-	1227	50	1065	-	1115	30	1249	-	1279
V	<b>Manufacturing</b>												
	1) Registered factories ASI	-	101562	-	101562	-	95894	-	95894	-	124860	-	124860
	2) Government sectors	101	-	-	101	141	-	-	141	158	-	-	158
	3) NDCUs	-	-	-	-	-	-	-	-	-	-	-	-
	4) Private sectors (unregistered)	-	4413	-	4413	-	4847	-	4847	-	4914	-	4914
	<b>Sub Total</b>	101	105975	-	106076	141	100741	-	100882	158	129774	-	129932
VI	<b>Electricity, Gas &amp; Water supply</b>												
	1) Electricity	98494	-	-	98494	119557	-	-	119557	160637	-	-	160637
	2) Gas	2614	-	-	2614	11815	-	-	11815	8348	-	-	8347
	3) Water supply	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub Total</b>	101108	-	-	101108	131372	-	-	131372	168985	-	-	168984
VII	<b>Construction</b>												
	1) State Government sector	17905	-	-	17905	18822	-	-	18822	19415	-	-	19415
	2) NDCUs	8482	-	-	8482	1465	-	-	1465	3928	-	-	3928
	3) Private sector	-	150	-	150	-	181	-	181	-	228	-	228
	<b>Sub total</b>	26387	150	-	26537	20287	181	-	20468	23343	228	-	23571

Annexure I(Contd.)

Sl. No	Industry of use Type of Institutions	1993-94			1994-95			Total	Household	Total
		Public	Private	Household	Public	Private	Household			
I	2	3	4	5	6	7	8	9	10	
VIII	<b>Transport, Storage &amp; Communication</b>									
	1) Railways	1503	-	-	1503	2701	-	-	2701	
	2) Transport by other means and storage	5529	3934	-	9463	18306	4910	-	23216	
	a) State Government sector by type of Industry of use	787	-	-	787	720	-	-	720	
	b) NDCUs	4742	-	-	4742	17586	-	-	17586	
	c) Private sector	-	3934	-	3934	-	4910	-	4910	
	3) Communication	36535	-	-	36535	38978	-	-	38978	
	Sub Total	43567	3934	-	47501	59985	4910	-	64895	
IX	<b>Trade, Hotels &amp; Restaurants</b>									
	a) NDCUs	-	-	-	-	-	-	-	-	
	b) Private sector	-	3835	-	3835	-	4835	-	4835	
	Sub Total	-	3835	-	3835	-	4835	-	4835	
X	<b>Banking and Insurance</b>									
	Sub Total	13796	-	-	13796	14257	-	-	14257	
	Sub Total	13796	-	-	13796	14257	-	-	14257	

Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1995-96			1996-97			1997-98					
		Public	Private	House- hold	Public	Private	House- hold	Public	Private	House- hold			
I	2	11	12	13	14	15	16	17	18	19	20	21	22
VIII	<b>Transport, Storage &amp; Communication</b>												
	1) Railways	5590	-	-	5590	24869	-	-	24869	15745	-	-	15745
	2) Transport by other means and storage	7460	6073	-	13533	4313	6930	-	11243	10185	8595	-	18780
	(a) State Government sector by type of Industry of use	707	-	-	707	581	-	-	581	558	-	-	558
	(b) NDCUs	6753	-	-	6753	3732	-	-	3732	9627	-	-	9627
	(c) Private sector	-	6073	-	6073	-	6930	-	6930	-	8595	-	8595
	3) Communication	60692	-	-	60692	63807	-	-	63807	64751	-	-	64751
	Sub Total	73742	6073	-	79815	92989	6930	-	99919	90681	8595	-	99276
IX	<b>Trade, Hotels &amp; Restaurants</b>												
	1) NDCUS	-	-	-	-	-	-	-	-	-	-	-	-
	2) Private sector	-	6024	-	6024	-	7019	-	7019	-	8440	-	8440
	Sub Total	-	6024	-	6024	-	7019	-	7019	-	8440	-	8440
X	<b>Banking and Insurance</b>	12071	-	-	12071	11454	-	-	11454	12422	-	-	12422
	Sub Total	12071	-	-	12071	11454	-	-	11454	12422	-	-	12422

Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1993-94			1994-95			Total	Household	Total
		Public	Private	Household	Public	Private	Household			
I	2.	3	4	5	7	8	6	9	10	
XI	Real estate and ownership of dwellings	-	44415	-	-	48775	44415	-	48775	
	Sub Total	-	44415	-	-	48775	44415	-	48775	
XII	Public administration									
	a) Government administration, State Government sector and Departmental enterprises	15461	-	-	25771	-	15461	-	25771	
	b) Central Government Administration	8187	-	-	9133	-	8187	-	9133	
	Sub Total	23648	-	-	34904	-	23648	-	34904	
XIII	Other services									
	a) Government administration, State Government sector and Departmental enterprises	4320	-	-	5688	-	4320	-	5688	
	b) NDCUs	118	-	-	200	-	118	-	200	
	c) Private Sector	-	9500	-	-	11195	9500	-	11195	
	Sub Total	4438	9500	-	5888	11195	13938	-	17083	
	Grand Total	28086	53915	-	40792	59970	82001	-	100762	

Annexure I (Contd.)

Sl. No	Industry of use Type of Institutions	1995-96			1996-97			1997-98					
		Public	Private	House- hold	Public	Private	House- hold	Public	Private	House- hold			
1	2	11	12	13	14	15	16	17	18	19	20	21	22
XI	Real estate and ownership of dwellings	-	56958	-	56958	-	70937	-	70937	-	85270	-	85270
	Sub Total	-	56958	-	56958	-	70937	-	70937	-	85270	-	85270
XII	Public administration												
	c) Government administration, State Government sector and Departmental enterprises	33058	-	-	33058	29603	-	-	29603	36846	-	-	36846
	d) Central Government Administration	5424	-	-	5424	12337	-	-	12337	14577	-	-	14577
	Sub Total	38482	-	-	38482	41940	-	-	41940	51423	-	-	51423
XIII	Other services												
	d) Government administration, State Government sector and Departmental enterprises	6796	-	-	6796	7829	-	-	7829	7339	-	-	7339
	e) NDCUs	971	-	-	971	1594	-	-	1594	-	-	-	-
	f) Private Sector	-	12569	-	12569	-	14767	-	14767	-	17204	-	17204
	Sub Total	7767	12569	-	20336	9423	14767	-	24190	7339	17204	-	24543
	Grand Total	46249	69527	-	115776	51363	85704	-	137067	58762	102474	-	161236

Annexure II A

**Gross Capital Formation of State Government Administrative Departments in Kerala by Type of Assets at current prices**

Sl. No.	Type of Assets	1993-94	1994-95	1995-96	1996-97	1997-98
	2					
1.	Construction	17882	29248	31126	32217	40239
	a) Buildings	6325	9663	10836	11046	14417
	b) Roads & Bridges	7472	14655	12050	13594	19490
	c) Other Construction	4085	4930	8240	7577	6332
2.	Machinery and equipments	2676	2643	3752	6058	5001
	a) Plant and machinery	1570	2306	2745	5365	3747
	b) Transport equipment	1106	337	1007	693	1254
3.	Net purchase of second hand physical assets	(-) 74	(-) 10	(-) 45	(-) 16	(-) 67
4.	Gross Capital Formation (I+II+III)	20484	31881	34833	38259	45173
5.	Charge in stock	(-) 637	(-) 415	5029	(-) 827	(-) 1036
	<b>Gross Capital Formation (IV+V)</b>	19847	31466	39862	37432	44137

(Rs. in lakhs)

Annexure II B

Gross Capital Formation of State Government Departments in Kerala by 'Industry of Use' at current prices

Sl. No.	Industry of use	1993-94	1994-95	1995-96	1996-97	1997-98
1	2	3	4	5	6	7
1	Construction	66	7	8	-	(-) 48
2	Water supply	-	-	-	-	-
3	Other services	4320	5688	6796	7829	7339
	a) Education	3647	4058	4971	5705	6186
	b) Medical & Public Health	603	994	1425	1017	1138
	c) Family Welfare	-	-	-	-	-
	d) Sanitation	70	636	400	1107	15
	Total 1 to 3	4386	5695	6804	7829	7291
4	Public Administration	15461	25771	33058	29603	36846
	Total	19847	31466	39862	37432	44137

Annexure III A

Gross Capital Formation of State Government Departmental Enterprises in Kerala by 'Type of Assets at current prices

Sl. No.	Type of Assets	1993-94	1994-95	1995-96	1996-97	1997-98
1	2	3	4	5	6	7
1.	Construction	13012	15140	17905	18822	19415
	a) Building	765	603	472	552	376
	b) Roads and Bridges	65	39	72	93	79
	c) Other construction	12182	14498	17361	18177	18960
2.	Machinery and equipment	241	320	484	298	554
	a) Plant and Machinery	197	275	420	249	423
	b) Transport equipment	44	45	64	49	131
3.	Net purchase of second hand physical assets	500	-	-	-	-
4.	Gross Capital Formation (I+II+III)	13753	15460	18389	19120	19969
5.	Change in Stock	379	505	259	443	401
	<b>Gross Capital Formation (IV+V)</b>	<b>14132</b>	<b>15965</b>	<b>18648</b>	<b>19563</b>	<b>20370</b>



## Annexure III B

## Gross Capital Formation of State Government Departmental Enterprises in Kerala by 'Industry of use' at current prices

Sl. No.	Industry of use	1993-94	1994-95	1995-96	1996-97	1997-98
1	2					
1.	Agriculture	11882	13776	16791	17618	18597
2.	Forestry	1332	1399	1049	1223	1057
3.	Manufacturing (3.1+3.2)	131	70	101	141	158
	1. Printing press	131	70	101	141	158
	2. Milk supply	-	-	-	-	-
4.	Construction	-	-	-	-	-
5.	Electricity	-	-	-	-	-
6.	Railway	-	-	-	-	-
7.	Communication	-	-	-	-	-
8.	Other Transport (8.1+8.2+8.3)	787	720	707	581	558
	1. Port & pilotage houses & light houses	6	230	553	517	360
	2. Civil aviation	-	-	-	-	-
	3. Others	781	490	154	64	198
9.	Trade, Hotel & Restaurants	-	-	-	-	-
10.	Banking & Insurance	-	-	-	-	-
	<b>Total</b>	<b>14132</b>	<b>15965</b>	<b>18648</b>	<b>19563</b>	<b>20370</b>

Annexure IV A

Gross Capital Formation in Non Departmental Commercial undertakings in Kerala (Category-wise) 1993-94

Sl. No.	Category	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport equipments	Machinery and other office equipments	Total
1	2	3	4	5	6	7	8	9	10
1.	Agriculture	-	3490	6330	24054	-	3050	6002	73526
2.	Forestry & Logging	-	1073	333	572	-	252	1719	3949
3.	Manufacturing (Registered)	148298	364409	1569443	1067491	29915	41171	1749324	4970051
4.	Mining and quarrying	-	2874	962	-16	-	2207	710	6769
5.	Trade, Hotel & Restaurants	1992	11479	(-) 996	5131	1310	9599	15537	44052
6.	Others services	-	-	10457	9	-	343	1021	11830
7.	Financial	1432	5574	3856	891	-	2190	20656	34599
8.	Transport by other means & storage	1906	6756	227443	2	7171	228893	1999	474170
9.	Construction	-	-	(-) 78997	246	-	-	1708	(-) 77043
	<b>Total</b>	<b>153628</b>	<b>426255</b>	<b>1738831</b>	<b>1098412</b>	<b>38396</b>	<b>287705</b>	<b>1798676</b>	<b>5541903</b>

(Rs.in '000)

## Annexure IV B

## Gross Capital Formation in Non Departmental Commercial undertakings in Kerala (Category-wise) 1994-95

Sl.No	Category	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport equipments	Machinery and Office equipments	(Rs.in '000)	
									7	8
1.	Agriculture	-	26706	232264	11385	-	1289	9281	280925	10
2.	Forestry & Logging	-	628	-	41	-	36	315	1020	
3	Manufacturing (Registered)	6583	224340	2002507	24506	795107	12851	1183178	4249072	
4.	Mining and quarrying	-	1699	(-)231	161	-	205	788	2622	
5.	Trade, Hotel & Restaurants	1462	38472	6243	11421	-	14678	41958	114234	
6.	Others services	130	11217	699	130	-	308	7521	20005	
7.	Financial	-	121	-	85	-	1592	27369	29167	
8.	Transport by other means & storage	-	362498	217472	533688	-	639155	5778	1758591	
9.	Construction	170	3716	650754	23	-	1339	2369	658371	
	<b>Total</b>	<b>8345</b>	<b>669397</b>	<b>3109708</b>	<b>581440</b>	<b>795107</b>	<b>671453</b>	<b>1278557</b>	<b>7114007</b>	

## Annexure IV C

## Gross Capital Formation in Non Departmental Commercial undertakings in Kerala (Category-wise) 1995-96

(Rs.in '000)

Sl.No	Category	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport equipments	Machinery and office equipments	Total
1	2	3	4	5	6	7	8	9	10
1.	Agriculture	-	13960	10050	3520	-	7451	4660	39641
2.	Forestry & Logging	-	-	-	55	-	-	103	158
3	Manufacturing (Registered)	-	124425	1570734	660353	-	16932	835428	3207872
4.	Mining and quarrying	-	330	(-) 1801	-	-	-	13036	11565
5.	Trade, Hotel & Restaurants	109	13468	28651	3007	1180	13904	13806	74125
6.	Others services	11336	62339	881	282	10058	307	11870	97073
7.	Financial	-	40	1651	39	-	1459	22886	26075
8.	Transport by other means & storage	-	(-) 199988	421314	7533	-	318644	127844	675347
9.	Construction	-	3623	838410	44	-	1105	4984	848166
	<b>Total</b>	<b>11445</b>	<b>18197</b>	<b>2869890</b>	<b>674833</b>	<b>11238</b>	<b>359802</b>	<b>1034617</b>	<b>4980022</b>

## Annexure IV D

## Gross Capital Formation in Non Departmental Commercial undertakings in Kerala (Category-wise) 1996-97

(Rs.in '000)

Sl. No	Category	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport equipments	Machinery and Office equipments	Total	
									3	4
1.	Agriculture	-	34448	17343	9774	60611	4504	16191	142871	
2.	Forestry & Logging	-	-	485	206	220	322	38	1271	
3.	Manufacturing (Registered)	66	176549	4186026	826059	111956	24136	1331580	6656372	
4.	Mining and quarrying	-	-	869	(-) 1321	-	2628	2788	4964	
5.	Trade, Hotel & Restaurants	3928	3626	5298	4502	92	4865	12036	34347	
6.	Others services	-	59221	78334	6	10085	297	11476	159419	
7.	Financial	-	19615	4683	1766	-	1111	47559	74734	
8.	Transport by other means & storage	-	6963	48046	6439	1125	307303	3370	373246	
9.	Construction	-	40	145937	8	-	-	550	146335	
	<b>Total</b>	<b>3994</b>	<b>300462</b>	<b>4487021</b>	<b>847439</b>	<b>184089</b>	<b>345166</b>	<b>1425588</b>	<b>7593759</b>	

Annexure IV E

Gross Capital Formation in Non Departmental Commercial undertakings in Kerala (Category-wise) 1997-98

Sl.No	Category	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport equipments	Machinery and office equipments	Total
		3	4	5	6	7	8	9	10
1.	Agriculture	-	17021	2047	2238	-	3293	10888	35487
2.	Forestry & Logging	-	22	-	484	-	-	151	657
3	Manufacturing (Registered)	-	1092250	(-) 958835	24273	2068014	27951	9447000	11700653
4.	Mining and quarrying	-	-	-	15	-	(-) 1786	4809	3038
5.	Trade, Hotel & Restaurants	2990	20163	37988	1444	3637	7077	21788	95087
6.	Others services	50	2318	15343	238	-	1768	2377	22094
7.	Financial	-	500	3447	572	-	1145	16230	21894
8.	Transport by other means & storage	-	66011	94687	225202	172800	398888	5143	962731
9.	Construction	-	-	391001	-	-	666	1101	392768
	<b>Total</b>	<b>3040</b>	<b>1198285</b>	<b>(-) 414322</b>	<b>254466</b>	<b>2244451</b>	<b>439002</b>	<b>9509487</b>	<b>13234409</b>

(Rs.in '000)

Annexure V

Gross Fixed Capital Formation in Agriculture at current prices  
(Household sector)

Sl.No.	Years	Rural	Urban	Total
1	2	3	4	5
1	1993-94	23144	7255	30399
2	1994-95	28454	9130	37584
3	1995-96	36764	11870	48634
4	1996-97	43628	14236	57864
5	1997-98	51023	16993	68016

(Rs.in lakhs)

## Annexure VI

## Gross Fixed Capital Formation in Livestock at current prices

Sl.No.	Category	1993-94	1994-95	1995-96	1996-97	1997-98
1	2	3	4	5	6	7
1	Cattle male over 3 years	1294	5313	11999	19903	25803
2	Cows in milk	25105	27289	43291	65004	70375
3	Buffalow male over 3 years	(-) 9102	(-) 14681	(-) 14163	(-) 15135	(-) 13669
4	She Buffaloes in milk	(-) 9140	(-) 8347	(-) 8386	(-) 9340	(-) 9980
5	Goat female 1 year over milk	3911	3968	5462	5728	6694
6	Goat male 1 year over	4332	4550	6484	7039	8516
	Total	16400	18092	44687	73199	87739

(Rs.in '000)



Annexure VII

Gross Fixed Capital Formation at current prices – Fisheries Sector

Sl.No	Type of Boats	Year					(Rs.in '000)
		1993-94	1994-95	1995-96	1996-97	1997-98	
1	2	3	4	5	6	7	
<b>Mechanised Boats</b>							
1	Gill Neters	38792	46857	56472	68181	82644	
2	Travelers	305097	351158	443590	559476	707248	
3	Liners	68071	94831	132212	184184	256681	
4	Others	37182	44474	53162	63458	76150	
<b>Non Mechanised Boats</b>							
1	Beach scene boats						
2	Plank built boats	(-) 1549	(-) 1675	(-) 1812	(-) 1960	(-) 2120	
3	Dugsoat canoes	(-) 87043	(-) 88670	(-) 90480	(-) 92070	(-) 94045	
4	Catamarams	(-) 3795	(-) 3854	(-) 3967	(-) 4033	(-) 4113	
5	Others	(-) 1455	(-) 1519	(-) 1563	(-) 1607	(-) 1672	
<b>Total (Rs. In lakhs)</b>		355300	441602	587614	775629	1020773	

**Annexure VIII**  
**Gross Fixed Capital Formation Registered Manufacturing Sector**

(Rs. in lakhs)

Sl. No	Components	Year						
		1993-94	1994-95	1995-96	1996-97	1997-98		
1	2	3	4	5	6	7		
1	Improvement to land	(-) 2801	6143	(-) 1893	1199	1695		
2	Building	(-) 5388	2344	6304	5875	8305		
3	Plant and Machinery	44678	(-) 23915	36947	22459	31747		
4	Transport equipments	7883	4468	7329	8744	12360		
5	Tools and other fixed assets	1522	1125	156	670	948		
6	Assets under construction	(-) 45873	4713	12316	13374	18670		
7	Net addition ( 1 to 6)	21	(-) 5122	61159	52321	73725		
8	Depreciation	25405	29491	40283	42895	50977		
9	Total (7 + 8)	25426	24369	101442	95216	124702		
10	Less Water supply	(-) 46	688	(-) 120	(-) 678	(-) 159		
11	<b>Gross Fixed Capital Formation</b>	<b>25472</b>	<b>23681</b>	<b>101562</b>	<b>95894</b>	<b>124860</b>		

## Annexure IX

## Statement of Capital Expenditure of Kerala State Electricity Board for the year 1993-94 to 1997-98

Sl. No	Year	Land Development	Building	Capital work in progress	Expenditure during construction	Transport equipment	Machinery & other office equipment	Total
1	2	3	4	5	6	7	8	9
1	1993-94	-	36940	1099215	963546	9133	210066	2318900
2	1994-95	-	77622	1297524	781185	4267	452364	2612962
3	1995-96	-	101144	1617590	658628	14052	555936	2947350
4	1996-97	-	55345	2106065	877128	12982	384559	3436079
5	1997-98	-	884469	(-) 750262	2067995	16263	3219543	5438008

Annexure X

Addition to Fixed Assets of Cochin Refineries for the year from 1993-94 to 1997-98

Sl. No	Year	Land development	Building	Capital work in progress	Other construction	Expenditure during construction	Transport and equipment	Machinery and other office equipment	Total
1	2	3	4	5	6	7	8	9	10
1	1993-94	-	42752	-	132332	-	2253	473721	651058
2	1994-95	-	15517	(-) 1459	22404	3364	2733	3257395	3299954
3	1995-96	-	20640	58172	7596	-	3198	171798	261404
4	1996-97	-	33326	33411	1056	-	6311	1107433	1181537
5	1997-98	-	140046	(-) 13317	31412	843	2558	673231	834773

(Rs.in '000)

## Annexure XI

## Ownership of Dwellings – Gross Fixed Capital Formation (Residential Buildings) at current Prices

(Rs.in '000)

Sl. No	Year	Rural	Urban	Total
1	2	3	4	5
1	1993-94	31558	12857	44415
2	1994-95	34450	14322	48772
3	1995-96	39989	16969	56958
4	1996-97	49502	21435	70937
5	1997-98	59135	26135	85270

Annexure XII

Estimates of Gross Fixed Capital Formation from Supra-regional sectors and at current Prices

Sl. No	Sectors	Year							(Rs.in '000)
		1993-94	1994-95	1995-96	1996-97	1997-98			
1	2	3	4	5	6	7			
1	Railways	1503	2701	5590	24869	15745			
2	Communication	36535	38978	60692	63807	64751			
3	Banking and Insurance	13796	14257	12071	11454	12422			
4	Central Government Administration	8187	9133	5424	12337	14577			

## Annexure XIII

## Industry wise Gross Fixed Capital Formation - Private sectors at current Prices

(Rs.in lakhs)

Sl. No	Sectors	Year					
		1993-94	1994-95	1995-96	1996-97	1997-98	
1	2	3	4	5	6	7	
1	Mining and quarrying	833	996	1111	1065	1249	
2	Manufacturing (unregistered)	2678	3548	4413	4847	4914	
3	Construction	104	122	150	181	228	
4	Transport and storage	3934	4910	6073	6930	8595	
5	Trade, hotel and restaurants	3835	4835	6024	7019	8440	
6	Other services	9500	11195	12569	14767	17204	





