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GOVERNMENT OF KERALA

**STATE INCOME
AND
RELATED AGGREGATES
OF KERALA
1983-84**

**DEPARTMENT OF
ECONOMICS & STATISTICS
JUNE 1985**

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**DEPARTMENT OF
ECONOMICS AND STATISTICS
TRIVANDRUM
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Introduction

State income is one of the important yardsticks for measuring economic development. It represents the Net Domestic Product at factor cost originating within the "geographical boundary of the State." The concept of Net Domestic Product has been adopted since reliable data on transfer incomes are not available separately for states. *Domestic Product* is the product that is generated within a given territory, while *National Product* is domestic product plus net factor incomes earned from abroad.

The terms are generally used as NNP/NDP 'at factor cost' because they are derived by adding up costs which are in terms of factor payments only. Factor payments include compensation of employees, rent, interest and profits & dividends. In the case of self employed where no factor payments are made, the category of income is treated as 'mixed income of self-employed'. In India as a whole more than 40 percent of the national income falls under this category. In cases where there are indirect taxes and goods are sold in the market at prices including indirect taxes. Product 'at market prices' means inclusive of indirect taxes and product at factor cost means exclusive of indirect taxes.

In order to measure the growth of National/State income over a period of time estimates are prepared on the basis of two series (1) at current prices and (2) at constant prices. It can be seen that the national product at current prices has been shooting up since the last few years. This is largely the result of inflation. But at 1970-71 prices it has been moving up at a very slow pace. This indicates that the growth of real output has been rather very slow.

While estimating National/State income the gross and Net concepts have to be taken into account. *Gross product* is estimated inclusive of depreciation. *Net product* equals gross products minus depreciation.

By factor incomes Net Domestic Product can be divided into—

1. Wages & Salaries
2. Rent
3. Interest
4. Profits & dividends, and
5. Mixed income of self employed.

By economic activity NDP constitutes the sum total of the income contributed by the different sectors viz.

- | | |
|---------------------|---|
| 1. Primary sector | : Agriculture & Allied activities |
| 2. Secondary sector | : Manufacturing, Electricity, construction etc. |
| 3. Tertiary sector | : Transport, Communication & Trade Finance & Real Estate Community & Personal Services. |

This report attempts to give a picture of the trend in the growth of State Domestic Product and per capita income of Kerala vis-a-vis other states and all India. Sectorwise and district wise distribution of the state domestic product and per capita income is also furnished. This publication, for the first time, presents estimates of gross Domestic product and Factor Income. Estimation of factor income is only a preliminary attempt based on the available data and the methodology suggested by the Central Statistical Organisation.

The report contains three parts. Part-I is narrative part dealing with methodology and trend in the growth of State domestic product. Part-II contains statements. Distribution of factor income and methodology used for the estimation of the same are given in Part-III.

PREFACE

Every year the Department of Economics & Statistics publishes quick estimates of the Net Domestic Product of Kerala based on the latest available data and using the standard methodology suggested by the Central Statistical Organisation of the Government of India. The methodology followed is also given in this report. Since it takes considerable time to obtain data from various departments/agencies quick estimates of State Income could be prepared only on the basis of crude data and hence are liable to significant changes. The present report deals with the quick estimates of the State Domestic Product in 1983-84. Time series data from 1970-71 are also given in the report. In order to enable state wise and all India comparison of Net Domestic Product such data are also presented.

The report furnishes for the first time two additional items viz., G.D.P. and Factor Incomes by industry of origin. It is hoped that this report will be useful to planners, policy makers and research workers engaged in macro-economic studies.

This report was prepared by the State Income unit* of the Department of Economics and Statistics.

Trivandrum,
10-6-1985.

N. GEORGE JOHN,
Director.

PREFACE

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Director

Tiruvananthapuram
10-6-1983

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STATE INCOME OF KERALA

A brief analysis

The present issue of "Estimates of Net Domestic product (State Income) and aggregates covers, the provisional estimates of State Income for the period 1981-82 and 1982-83 and quick estimates for the period 1983-84, and also final estimates for the period from 1970-71 to 1980-81. Estimates for the previous years have undergone some revision consequent on the availability of new and revised data.

This issue however contains two more additional features viz. Gross domestic product at factor cost (at current prices and also at constant prices) for the period from, 1970-71 to 1982-83 and the distribution of factor income by broad sectors for the year 1980-81.

State Income:

State Income is the net domestic product at factor cost originated within the boundary of the state. Estimates have been prepared according to the methodology suggested by the Central Statistical Organisation. These have the same scope, coverage and approach to methodology as in the past.

At current prices:

Net domestic product at current prices is roughly estimated at Rs. 4,679 crores in 1983-84 against Rs. 4,214 crores in 1982-83; that is 11.03% higher compared to the previous year. The percapita income increased from Rs. 1,613 in 1982-83 to Rs. 1,761 in 1983-84 registering an increase of 9.18%. Between 1970-71 and 1983-84 the state's per capita income increased from Rs. 594 to Rs.1,761 registering an increase of 196.46%.

At constant prices:

In real terms ie. at constant price (70-71 prices) the state Domestic product works out to Rs. 1,899 crores in 1983-84 as against Rs. 1,816 crores in 1982-83, showing an increase of 4.57%. The per capita income in real terms on the other hand showed only 3.16% increase ie. from Rs. 696 in 1982-83 to 718 in 1983-84. The rise in per capita income over the period 1970-71 to 1983-84 was of the order of 20.88%.

Structural change:

The primary sector of the economy showed a slight increase (at current prices) in its contribution to net domestic product during the period 1983-84. It contributed more than 41% of the total income at current prices whereas it was 40% during 1982-83. At constant prices however it declined from 34.89% in 1982-83 to 32.17% in 1983-84. However the share of primary sector in the total net domestic product of the state has come down from 49.44% in 1970-71 to 40.42% in 1980-81 at current prices and to 38.93% at 1970-71 prices. The secondary sector showed a declining trend during this period 1982-83 to 1983-84 ie. from 21.08% to 19.99% at current prices. However it can be seen that the contribution of this sector has gone up from 16.32% in 1970-71 to 22.29% in 1980-81 at current prices. At constant prices also the share of the secondary sector showed more of or less same, increase.

The contribution by the tertiary sector remained more or less the same during the last two years at current prices. But the share of this sector at constant prices showed an increase by 2.75% (increased from 44.90% to 47.65%) during this period. During 1970-71 and 1980-81 the contribution of the tertiary sector (at current prices) was 34.24% and 37.29% respectively.

Comparison with All India:

At current prices the national income works out to 160279 crores as compared with 1,33,151 crores in 1982-83 showing an increase of 20.4% where as in Kerala the corresponding increase is only 11%. At constant prices (1970-71) the total national income in 1983-84 is estimated at 54458 crores as against 50633 crores in 1982-83, thus recording an increase of 7.6%. In Kerala however, the rate is only 4.6%.

More or less the same trend is noticed in the case of per capita income as well. At current prices the growth rates are 17.8% and 8.89% respectively for India and Kerala. Latest available figures indicate that among the various states Kerala holds the 13th rank as regards per capita income, State Income and national income in 1982-83 and 1983-84 are given below:

Net national/State domestic product	India (Rs. in crores)			Kerala		
	1970-71	1982-83	1983-84	1970-71	1982-83	1983-84
At current price	34519	133151	160279	1255	4214	4679
At constant price (1970-71)	34519	50633	54458	1255	1816	1899
<i>Per capita</i>						
At current price (Rs.)	633	1868	2201	594	1613	1761
At constant price (Rs.)	633	711	749	594	696	718

The primary sector of the economy is the major contributor to national income eventhough its share shows a declining trend over the year.

The change in the structural composition of net domestic product is shown below:

Composition of Net Domestic Product by broad sectors (%)

	Kerala		India			
	1970-71	1983-84	1970-71		1983-84	
		at 1970-71 prices	at current prices	at 1970-71 prices	Current prices	
Primary sector	49.5	41.5	32.2	50.1	40.9	40.7
Secondary sector	16.3	20.0	21.9	19.7	20.4	21.9
Tertiary sector	34.2	38.5	45.9	30.2	38.7	37.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Gross Domestic Product :

G.D.P. at current prices is estimated at 4608 Crores for the year 1982-83 & 4054 crores at 1981-82 showing an increase of 13.7% over the previous year. At 1970-71 prices G.D.P. accounts for about 1331 crores thus showing an increase of 24.6% over the period.

Gross Domestic Product at constant price:

G.D.P. at constant price is estimated at 1945 crores in 1981-82 showing an increase of 5.7% over the previous year. The increase over the period 1970-71 to 1982-83 is of the order of more than 40%.

METHODOLOGY ON STATE INCOME COMPUTATION

Agriculture and Allied Activities

The Net Domestic Product from Agriculture (Proper), Livestock and allied activities except Government irrigation system is estimated by using the production approach, which involves estimation of gross value of products and by products and deduction of the value of inputs and consumption of fixed capital. For irrigation income approach is used and the total factor incomes generated as a result of providing the irrigation service is measured. Separate estimates of gross value of output for agricultural crops and Livestock products are prepared, while gross domestic product and net domestic products are worked out for the activity as a whole.

Agriculture (Proper):

Estimates of area and production of all the major and minor crops are based on crop estimation surveys under Timely Reporting Scheme. These figures are used for the estimation of gross value of out put. For miscellaneous and unspecified crops, out-turn estimates are not available but area figures are available. For plantation crops the production estimates published by the respective Commodity Boards are used. The out-turn of by-products are estimated by applying the yield rates supplied by the C.S.O

For evaluating crop out puts crop-wise weighted average, wholesale prices prevailing in the primary markets during peak marketing periods are used. Weight being the districtwise production of the crop. Crops for which primary wholesale prices are not available, wholesale/Retails prices are used after making necessary adjustments for trade and transport margins.

The value of miscellaneous/unspecified crops, the out-turn of which are not available, is estimated by applying an appropriate average value of yield per hectare to the total area under each crop/crop group.

All the by-products are also evaluated at the primary wholesale prices. By-products for which the current year prices are not available, base year prices are moved to later years using suitable indices.

From the total gross value of out put necessary deductions are made for (1) difference in price of food grains procured (ii) value added by rice milling industry.

Livestock:

For estimating the gross value of out put from livestock products, they are divided into:—(i) milk and milk products (ii) meat and meat products (iii) hides and skins (iv) eggs and poultry meat (v) dung (vi) increment in stock (vii) other products.

In the absence of current direct information on out put of various livestock products, annual production is estimated by carrying forward the bench mark estimates by changes in the number of Livestock of the relevant Categories. The source of information of the Livestock numbers is the Livestock census. The Livestock numbers obtained from the results of the census are projected to later years. The value of out put is worked out by evaluating the Livestock products at the corresponding average annual wholesale prices duly deflated for trade and transport margins and rural/urban price differentials.

Value of hunting and trapping:

The estimates of value of out put from hunting and trapping are prepared from the data obtained from the Forest Department.

Inputs:

To arrive at the gross Domestic Product from agriculture, livestock and hunting and trapping necessary deductions are made for the cost of inputs. The inputs are (1) seed (2) manure (Chemical and organic). (3) current repairs and maintenance (4) Livestock feed (5) irrigation charges (6) Electricity (7) pesticides and insecticides (8) Market charges and (9) diesel Oil.

Net Domestic Product:

The G.D.P. is obtained by deducting the total cost of inputs from the Gross value. G.D.P. from operation of Government irrigation system is also added to obtain the total G.D.P. for the Sector. The consumption of fixed capital is deducted from G.D.P. to obtain the Net Domestic Product from Agricultural Sector.

Estimates at constant (1970-71) prices:

For estimation of NDP at constant prices the out put of agricultural crops, by-products, Livestock Products and inputs are evaluated at 1970-71 prices. From the Gross value, the cost of inputs, and the consumption of fixed capital are deducted to obtain the Net Domestic Product at constant prices.

Forestry and Logging

Forestry Sector includes (i) Forestry and (ii) Logging.

The forest products are classified into two groups viz. (i) Major products comprising industrial wood and fuel wood (2) minor products comprising a number of heterogeneous items such as bamboo, sandal wood, ivory etc.

The Domestic product is estimated following the production approach.

For estimating the value of major forest products, the recorded production is evaluated at producers price. The producers price is obtained by adjusting the wholesale prices for trade and transport margins. An allowance of 10% of the value of the recorded production is made to cover all such unrecorded production. The royalty value of minor products is adjusted to arrive at the economic value.

From the Gross value, cost of repairs and maintenance and depreciation are deducted to get the Net Domestic Product from forestry & logging.

Estimates at constant prices:

To obtain the gross value of major products at constant prices, the out-turn is evaluated at 1970-71 prices. The ratio of the recorded value of major products at the current year to the corresponding value at the base year is applied to estimate the value of minor products at constant prices.

From the Gross value, cost of repairs and maintenance and consumption of fixed capital are deducted to arrive at the Net Domestic Product, at constant prices.

Fishing

The activities included in this sector are (1) Marine fish landings (2) Inland fish landings (3) Subsistence fishing (4) Gathering of limeshell, Sea shell, Sea weeds and other products and (5) Fish curing viz salting and sundrying of fishes.

The production approach is followed to estimate the Net Domestic Product.

The estimates of Gross value of Marine fish landings, inland fish landings and subsistence fishing by non professional fishermen are prepared separately from the data supplied by the Fisheries Department. From the Gross value, cost of repairs, maintenance and other operational costs are deducted to obtain the Gross value added. From the Gross value added consumption of fixed capital is deducted to arrive at the Net value added. Net value added from fish curing and other products are also worked out separately and added to obtain the total Net Value added from Fishing Sector.

Estimated at constant prices:

For estimates of the value of output at constant prices, the current catch of marine fish, inland fish and fish for subsistence are valued at 1970-71 prices. From the gross value, cost of repairs and maintenance and consumption of fixed capital are deducted as above, to obtain the net domestic product. The other products are also evaluated at 1970-71 prices. The value added by fish curing in the base year is projected to later years in proportion to the changes in the quantity of fish cured in the current year relative to the base year. Net value added from fish curing and other products are also added to arrive at the Net Domestic Product from fishing at constant prices.

Mining and Quarrying

The estimates of income originating from this sector has been prepared by the production approach. Data on production and prices of Minerals obtained from the Indian Bureau of Mines have been used for the estimation. The Net product is obtained on deducting mining expenses and depreciation charges for Kerala—published by the Indian Bureau of Mines and Central Statistical Organisation. The value added at 1970-71 prices are obtained by using the price of Minerals for 1970-71.

The District-wise breakup are obtained based on the production of Minerals in each district obtained from the State Geology Department.

Manufacturing

(1) *Registered Sector:*

The estimates of gross and net products originating in this industry is prepared by 19 Industry Groups on the basis of Annual Survey of Industries. The estimates of gross/net value added obtained from Annual Survey of Industries have been further adjusted for imputed bank charges.

The value added at 1970-71 prices are obtained by deflating the current value of industries at two digit level of National Industrial Code 1970 with the help of State wholesale price index. These estimates are also adjusted for imputed bank charges. The ratio of imputed bank charges to net value added as obtained in the current price series is used for constant price also. The district-wise breakup are obtained based on the number of workers in the organised sector in each district.

(ii) *Unregistered sector:*

Income method has been followed to estimate income from this sector. For the purpose of estimation of net value added in this sector the survey results of (i) NSS 33rd round "sample survey on Non-Directory manufacturing establishments and own account enterprises of Kerala, 1978-79" and (ii) sample survey on Directory manufacturing establishments of Kerala 1978-79, are used.

The NSS 33rd round covers all manufacturing/repairing enterprises which are not registered under the Indian Factories Act, 1948 and belonging to own account manufacturing enterprises and Non-Directory manufacturing establishments both in the Rural and Urban areas. A separate sample survey on Directory manufacturing establishments in the year was carried out by this Department leaving the registered factories coming under sections 2m(i) and 2m(ii) of the Indian Factories Act, 1948.

The net value added from the above survey results for 19 groups for the year 1977-78 obtained have been moved to other years using the following Index.

<i>Group</i>	<i>Indices</i>
20-21 Food products	Value of output of Oil Seeds, Pulses, Rice and Sugarcane.
22. Beverages and Tobacco	Value of output of Raw tobacco and Fruits.
23 to 26 Textile products	Value of output of Khadi, Coir and Coir products
27. Wood, Furniture etc.	Value of output of Forest Products.
28. Paper and paper products	Value of output of Hand-made paper.
29. Leather and Leather products	Value of output of Hides and Skins
30. Rubber and Rubber products	Value of output of raw rubber.
31 to 39. Remaining items	Value added from registered manufacturing sector relating to the Industry group in ASI.

The net value added thus obtained is further adjusted for imputed bank charges.

The value added at 1970-71 prices are obtained by deflating the current value of industries at two digit level of National Industrial Code 1970 with the help of State wholesale price index. These estimates are also further adjusted for imputed bank charges. The District-wise breakup are obtained based on the number of workers in Household Industries in each district.

Construction

The State Domestic products of construction activities is based on expenditure method.

The estimates of capital expenditure for construction are prepared under the following heads:

I. (a) *State Government Administrative Departments and Local Bodies.*

Construction expenditure is prepared based on the analysis of State Government Budget and from the analysis of the accounts of Local Bodies.

(b) *Departmental enterprises*

Construction expenditure is obtained from the analysis of the accounts of Departmental enterprises.

(c) *Non-Departmental enterprises:*

Construction expenditure is obtained by analysis of the accounts of the non-departmental enterprises.

II. *Post and Telegraph*

Construction expenditure is collected from the Post and Telegraph Department.

III. *Railways :*

Construction expenditure is collected from the Railway authorities.

IV. *Central Public Works Department:*

Construction expenditure is collected from the CPWD.

V. (a) *Urban Residential Buildings:*

The base year estimate in construction expenditure is obtained from the NSS 17th round (1960-61). The Geometric Growth rate of urban households in Kerala is applied on base year estimates. The current price estimates are obtained by applying weighted index of cost of construction of Buildings in Kerala.

(b) *Rural Residential Buildings:*

The estimates of expenditure on new construction and repairs and maintenance for the year 1971-72 is prepared based on the data available in AIDIS. Two-third of the expenditure on repairs and replacement are treated as capital expenditure and the remaining one-third as current expenditure. 1971-72 estimates of capital expenditure are moved to later years with the help of Geometric growth rate in rural census dwellings in Kerala based on 1971 and 1981 population census data. The current price estimates are obtained with the help of weighted index of cost of construction of Buildings in Kerala.

(c) *Rural Non-residential buildings and rural and urban other construction works:*

The capital expenditure for 1971-72 is prepared based on the data available in AIDIS. As in the case of rural residential buildings, two-third of the expenditure on "repairs and replacements is treated as capital expenditure." The base year estimate (1971-72) prepared from AIDIS is moved to later years with the help of value of output from Agriculture and total cropped area in Kerala. The price indices of wages of rural skilled workers are applied to these estimates to obtain the current price estimates.

VI. *Co-operation:*

The estimates of capital expenditure in land and buildings are prepared on the basis of data on assets available in "Statistical Statements relating to Co-operative Movement in India Part-I" (credit societies) and Part-II (Non-credit societies). The expenditure on construction of buildings are assumed to be 80 per cent of the expenditure on land and buildings. Maintenance expenditure and consumption of fixed capital are assumed to be 0.5 per cent and 2.00 per cent respectively of the value of buildings in each year.

VII. *Residual (Private/Corporate sector):*

Base year estimate is prepared from Lal's paper in RBI publication 1965-66. This is moved to later years with the help of construction expenditure (at current prices) in rural and urban residential sectors, to obtain the estimates at current price.

For the household sectors 33% of the total expenditure is taken and for the remaining sectors 31% of the total expenditure is taken as the net domestic product.

The constant price estimates are obtained by deflating the current price estimates with the help of Index on Wage Structure Survey. District-wise breakup are obtained based on the number of construction workers in each District.

Electricity, Gas and Water supply

(a) *Electricity:*

The activities considered for the estimation of State Domestic Product in this industry group includes generation, transmission and distribution of electric energy. The estimates of income from this sector are derived by adopting the income approach. The Kerala State Electricity Board covers the major portion of the activity in this Industry in this State. There are also licencees and sanction holders engaged in the distribution of electricity in this State.

The contribution to State Income from the Kerala State Electricity Board has been estimated by analysing the Annual Accounts of the Board. Gross income has been estimated as an aggregate factor payments such as compensation paid to employees including Salaries and Wages, other welfare expenses, managing-agent's remuneration, interest, rent, operating surplus including transfer to reserve and depreciation. The net income is derived on subtracting depreciation from gross income. In respect of licencees and sanction holders the value added data furnished in the Annual Survey of Industries reports for the State of Kerala has been directly used.

The estimate at 1970-71 prices are obtained by multiplying the Gross Value added for 1970-71 with the Index number showing the changes in revenue for sale of energy.

District-wise breakup are obtained based on the number of consumers of power in each district.

(b) *Gas:*

The contribution to State Income from Gas is estimated by analysing the Annual Accounts received from the Indane distributing agencies of Kerala. Gross Income is estimated as aggregate factor payments such as compensation paid to workers including bonus, interest paid by the distributor, rent and profit. The net income is derived by subtracting depreciation from the Gross Income.

The constant price estimates are obtained by using the average income per person of 1970-71. District-wise break up are obtained based on the number of Indane distributors in each District.

(c) *Water Supply:*

The estimates are prepared by Income approach. The working force in Water Supply Industry are estimated separately for rural and urban areas on the basis of growth rates observed for 1961 and 1971 census. The per head earnings is computed based on the data on employment and compensation paid to employees collected from Municipalities, Corporations and Townships for urban areas. In respect of rural areas, the average income per worker is not available from 1975-76. Therefore the urban-rural ratio of average income per person for 1975-76 is calculated and applied to the average wage rate of the worker in the urban areas to obtain the wage rate of the workers in the rural areas.

The estimates at constant prices are obtained by using the average income per person of 1970-71.

District-wise break up are obtained based on the number of employees in this industry in each District.

Transport, Storage and Communications

The sector includes (i) Railways, (ii) Transport by other means and storage and (iii) Communication.

I. *Railways:*

In the case of Railways, the estimates are supplied by Central Statistical Organisation.

II. *Transport by other means and storage:*

The net value added in mechanised Road Transport in the Public Sector has been worked out annually using the results of analysis of profit and loss statement of Kerala State Road Transport Corporation. For the private sector the value added per person engaged in passenger transport (Bus) has been worked out each year, using the results of the analysis of profit and loss statement of a sample number of private undertaking from each district. The number of workers for 1970-71 is based on 1971 population census and these have been carried forward to other years on the basis of annual growth rate observed in the number of vehicles registered with the State Transport Authorities. Assuming the average earning from goods traffic to be the same as for private bus service, the net value added is estimated using the estimated number of workers.

The Constant price estimates for Transport mechanised public sector is obtained using the index of employment (K.S.R.T.C.) and that for private sector is obtained using the index of number of registered vehicles.

For the non-mechanised Road Transport, gross earnings is obtained using the number of workers estimated from the 1971 census combined with the earning per worker available from the NSS survey (29th round). This is for the year 1974-75. For the other years it was carried forward and backward with the help of index of consumer price of urban non-manual employees for urban area and wages of skilled workers for rural area.

The estimate at Constant Price is obtained using the index of employment 1971 census.

Estimates of income from Kerala Road Transport Corporation (Water Transport Wing) and Water Transport Department at Alleppey are obtained by analysing the annual accounts of the respective Water Transport undertakings.

Estimate at Constant price is obtained using the index of employment of the respective concerns.

Income from Cochin Port Trust is worked out annually by analysing the relevant budgets.

The value added at constant price is obtained using the index of employment.

Income from Storage:

(Public Sector) is prepared on the basis of the annual accounts of the Ware Housing Corporation. Estimates of value added from storage (NEC) is based on the NSS 29th round. Value added for 1974-75 is prepared by using the data available in the 29th round. This is carried forward and backward for other years using the relevant index of gross value of output of commodity producing sector at current prices.

For the estimates at constant prices data regarding the storage capacity available from the administration report is made use of.

Communication:

The estimates at current and constant price are supplied by C.S.O.

Trade Hotels and Restaurants:

The value added for the year 1978-79 is obtained from the NSS 34th round. For the other years it is carried forward and backward with the help of index on gross value of commodity producing sectors valued at current price. The NSS data does not cover public sector enterprises. Hence adjustment for the same and for imputed bank charges are also made in this estimate.

The estimate at 1970-71 prices is worked out using the index of value of commodity producing sectors valued at constant prices.

Banking and Insurance:

Estimates at current and constant prices are supplied by the C.S.O.

Real estate and ownership of dwelling

Real estate:

The net product in respect of Real estate is worked out by analysing the balance sheet of the joint stock companies.

Ownership of dwelling:

The State domestic product from the ownership of dwelling is estimated by collecting the required details from all the municipalities, corporation and a sample number of panchayats in the State.

In the case of Panchayat, estimated rental/dwelling was worked out from the sample panchayats. Gross rental value is then calculated as a product of rental/dwelling and the estimated number of rural dwellings.

Net domestic product is estimated by deducting from the expenditure on gross rentals the expenditure on current repairs and maintenance and depreciation. For consumption of fixed capital the respective percentages used at all India level (separately for Rural and Urban) is adopted for the State.

Value added at constant price is obtained using the index of number of urban dwellings.

Business Service:

The estimates are prepared following the same approach and same source of data as for other 'services' (other than Medical and Health Service).

The value added at 1970-71 price is obtained using the index of employment (1971—Census).

Public Administration:

The estimates are prepared separately for the State Government, Central Government and Local Bodies consisting of Municipalities, Corporations and Panchayats.

With regard to the income of persons in the State Government Service, the estimates are prepared in terms of compensation of employees obtained from the budget documents of the State. For the Central Part, the estimates are supplied by the Central Statistical Organisation.

For the Local Bodies, data on expenditure on wages and salaries have been collected from all the Municipalities, Corporations and Panchayats of the State.

Constant price is worked out using current constant ratio of C.S.O's. estimate.

Other Services:

Estimates of net domestic product for this sector have been prepared separately for Education, Medical and Health Service, Sanitary Service and the rest.

For Educational Services, the details of expenditure incurred on wages and salaries of teachers and others staff in the respective educational institutions both public and private are estimated from the relevant budget.

Value added at constant price in the education sector is obtained using the average of teacher student ratio.

In the case of Medical and Health Services, the expenditure on wages and salaries in the public sector have been obtained from the budget of the state.

For the estimate of value added from non-Government sector the value added/worker for rural and urban areas are worked out on the basis of the results of NSS 29th round (1974-75). These are then brought forward and backward using the indices of wages of rural skilled workers and consumer price index number of urban non-manual employees. The total working force for the private sector is obtained by subtracting employment in the public sector from the total working force from the census.

Sanitary Service:

The compensation of employees has been estimated on the basis of Municipal data.

Other Service:

For the rest of the services the estimate has been prepared separately for rural and urban areas with the help of details of working force and the corresponding value added per worker. The gross value added per worker is obtained from NSS 29th Round (1974-75). The gross value added is obtained following the same method as for non Government medical—Health Services.

Value added at constant price for Medical and Health Service, Sanitary Service and other services are obtained using the index of employment.

II
TABLE I

Net Domestic product at factor cost by industry of origin—Kerala 1970-71 to 1983-84
(At current prices)

Sl. No.	Industry of Origin	(Rs. in lakhs)					
		1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Agriculture	58263	54445	63726	85685	93417	91510
2	Forestry and Logging	1102	1084	1429	2140	2030	3165
3	Fishing	2569	2827	3299	4512	5619	6615
4	Mining & Quarrying	96	126	119	159	188	199
	Sub Total: Primary	62030	58482	68573	99246	101254	101489
5	Manufacturing	15632	17889	19970	22920	26204	29646
	1. Registered	7031	8964	9443	11205	13520	14430
	2. Un-registered	8601	8925	10527	11715	12684	15216
6	Construction	3668	4095	5175	5187	5031	7198
7	Electricity, Gas and Water Supply	1181	1387	1542	1809	2091	2317
	Sub Total: Secondary	20481	23371	26687	29916	34226	39161
8	Transport, Storage & Communication	6063	6873	6645	8499	11094	13751
	1. Railways	639	614	630	570	734	940
	2. Transport by other means & storage	4580	5239	5013	6840	9067	11313
	3. Communications	844	1020	1002	1089	1293	1498
9	Trade, Hotels & Restaurants, Transport, Communication and Trade	16260 22323	16163 23036	18896 25541	22863 31362	27078 38169	28010 41761
10	Banking & Insurance	1629	2330	2604	3260	4136	5115
11.	Real Estate, Ownership of dwelling etc. Finance & Real estate	2395 4024	2538 4868	2636 5240	2704 5964	2792 6928	2961 8076
12	Public Administration	3712	4067	4522	5581	6550	7283
13	Other Services Community & Personal service	12894 16606	13782 17849	15159 19681	16981 22562	21425 27975	25054 32336
	Sub Total: Tertiary	42953	45753	50462	59888	73072	82173
	Net State Domestic Product at factor cost	125464	127606	145722	182300	208552	222823
	Population ('000)	21126	21571	22026	22473	22914	23345
	Per Capita Income (Rs.)	594	592	662	811	910	954

P—Provisional

Q—Quick

TABLE 1 (Concl.d.)

Net Domestic Product at factor cost by Industry of origin—Kerala 1970-71 to 1983-84 (At current prices)

(Rs. in lakhs)

Sl. No.	Industry of Origin	1976-77	1977-78	1978-79	1979-80	1980-81	(P) 1981-82	(P) 1982-83	(Q) 1983-84
(1)	(2)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Agriculture	99728	98402	107648	122964	129481	128764	150558	178079
2	Forestry & Logging	2614	3932	5147	5804	7034	3927	9704	5635
3	Fishing	5431	6439	7671	6315	7997	6677	8382	9406
4	Mining & Quarrying	365	356	416	598	531	586	656	719
	Sub Total: Primary	108138	109129	120882	135681	145043	139954	169300	193839
5	Manufacturing	32109	33788	37763	47387	58982	58984	62066	65062
	1. Registered	16605	18492	19926	24950	32647	33502	34785	35855
	2. Un-registered	15504	15296	17837	22437	26335	25482	27281	29207
6	Construction	7017	8397	9110	10034	13156	16047	18186	20610
7	Electricity, Gas and Water Supply	3254	4601	6494	6528	7833	8284	7718	8182
	Sub Total: Secondary	42380	46786	53367	63949	79971	83315	87970	93854
8	Transport, Storage & Communication	16058	17501	18061	21895	22408	25179	28062	31531
	1. Railways	1076	1137	1123	1151	1173	1711	2121	2863
	2. Transport by other means & storage	13141	14455	14680	18017	18286	20096	22086	24273
	3. Communications	1841	1909	2258	2727	2949	3372	3855	4395
9	Trade, Hotels & Restaurants	29392	30724	31614	38257	43739	44452	45146	45868
	Transport, Communication & Trade	45450	48225	49675	60152	66147	69631	73208	77399
10	Banking & Insurance	5809	7037	7730	9032	11194	13595	16504	17608
11	Real Estate, ownership of dwelling etc.	3275	3308	3391	3616	4539	5234	6019	6922
	Finance and Real Estate	9084	10345	11121	12648	15733	18829	22523	24530
12	Public Administration	7902	8254	8749	11385	15265	17970	21154	24926
13	Other Services	26884	29310	31555	31741	36686	41443	47245	53387
	Community & persona services	34786	37564	40304	43126	51951	59413	68399	78313
	Sub Total: Tertiary	89320	96134	101100	115926	133831	147873	164130	180242
	Net State Domestic Product at factor cost	239838	252049	275349	315556	358845	371142	421400	467935
	Population ('000)	23763	24167	24554	24829	25258	25686	26121	26565
	Per Capita Income (Rs.)	1009	1043	1121	1271	1421	1445	1613	1761

P—Provisional

Q—Quick

TABLE 2

Net State domestic product at Factor cost by Industry of Origin—Kerala (At 1970-71 Prices)

(Rs. in lakhs)

Sl. No.	Industry of Origin	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Agriculture	58263	60712	60419	59435	60455	62863
2.	Forestry & Logging	1102	1063	1045	1223	1068	1302
3.	Fishing	2569	2804	3030	2817	2996	2919
4.	Mining & Quarrying	96	105	96	99	80	76
	Sub Total: Primary	62030	64684	64590	63574	64608	67160
5.	Manufacturing	15632	17338	18253	17974	17214	18355
	5.1. Registered	7031	8773	8611	8287	7946	8184
	5.2. Un-registered	8601	8565	9642	9687	9268	10171
6.	Construction	3668	3996	4643	4276	4276	4507
7.	Electricity, Gas and Water Supply	1181	1270	1438	1563	1685	1850
	Sub Total: Secondary	20481	22604	24334	23813	23175	24712
8.	Transport, Storage & Communication	6063	6346	6578	6550	7193	7629
	8.1. Railway	639	596	643	633	631	714
	8.2. Transport by other means & storage	4580	4781	4983	4937	5502	5747
	8.3. Communication	844	969	952	980	1060	1168
9.	Trade, Hotels & Restaurants	16260	17045	17316	17113	17191	17596
	Transport, communication & trade	22323	23391	23894	23663	24384	25225
10.	Banking & Insurance	1629	2214	2318	2412	2316	2609
11.	Real Estate, Ownership of dwelling etc.	2395	2435	2500	2570	2644	2724
	Finance & Real estate	4024	4649	4818	4982	4960	5333
12.	Public Administration	3712	3823	4476	5302	5320	5316
13.	Other Services	12894	13127	13388	13563	13864	14577
	Community & Personal services	16606	16950	17864	18865	19184	19893
	Sub Total: Tertiary	42953	44990	46576	47510	48528	50451
	Net Domestic product at factor cost	125464	132278	135500	134897	136311	142323
	Population ('000)	21126	21571	22025	22473	22914	23345
	Per Capita Income (Rs.)	594	613	615	600	595	610

TABLE 2 (Concl'd).

(Rs. in lakhs)

Sl. No.	Industry of Origin	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
(1)	(2)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1.	Agriculture	60395	59346	59681	60555	59862	59948	60127	57889
2.	Forestry & Logging	1175	1132	995	925	1028	555	838	449
3.	Fishing	1923	2302	2526	2096	2235	1933	2233	2578
4.	Mining & Quarrying	153	148	122	139	150	136	153	168
	Sub Total: Primary	63646	62928	63324	63715	63275	62572	63351	61084
5.	Manufacturing	19348	19294	19710	21825	25227	27274	29688	31188
	5.1 Registered	9393	10148	10113	11330	12969	15363	16937	17461
	5.2 Unregistered	9955	9146	9597	10495	12258	11911	12751	13727
6.	Construction	4154	4692	4910	5201	5749	5833	6189	6566
7.	Electricity, Gas and Water Supply	2130	2455	2959	3060	3432	4720	3517	3815
	Sub Total: Secondary	25632	26441	27579	30086	34408	37827	39394	41569
8.	Transport, Storage and communication	7980	8377	8722	9884	10045	11034	11996	13033
	8.1 Railways	784	880	826	774	893	933	975	1024
	8.2 Transport by other means & storage	6055	6391	6603	7455	7340	8103	8820	9583
	8.3 Communication	1141	1106	1293	1655	1812	1998	2201	2426
9.	Trade, Hotels & Restaurants	17108	17084	17214	17682	18216	19443	20746	22136
	Transport, communication and Trade	25088	25461	25936	27566	28261	30477	32742	35169
10.	Banking & Insurance	2820	3350	3950	4023	3994	4456	4968	5541
11.	Real estate, Ownership of dwelling etc.	2809	2902	3003	3112	3256	3364	3868	3945
	Finance & Real estate	5629	6252	6953	7135	7250	7820	8836	9486
12.	Public Administration	5690	5590	5704	6895	9870	11619	13678	16003
13.	Other Services	14920	15882	16149	16634	19440	20890	23562	26576
	Community & Personal Services	20610	21472	21853	23529	29310	32509	37240	42579
	Sub Total: Tertiary	51327	53185	54742	58230	64821	70806	78818	87234
	Net Domestic product at factor cost	140605	142554	145645	152031	162504	171205	181563	189887
	Population ('000)	23763	24167	24554	24829	25258	25686	26121	26565
	Per Capita Income (Rs.)	592	590	593	612	643	667	696	718

TABLE 3

District wise Distribution of the Net State Domestic Product of Kerala at factor cost by Industry of Origin (At current Prices)

Sl. No.	Industry of Origin	(Rs. in lakhs)								
		Trivandrum			Quilon			Alleppey		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Agriculture	11134	10919	11807	13880	14164	16133	9427	10160	11629
2	Forestry and logging	135	56	300	1540	604	2956	1	1	8
3	Fishing	806	587	737	3195	2023	2540	729	730	917
4	Mining and Quarrying	47	55	33	163	161	182	218	248	139
	Sub-Total-Primary Sector	12122	11617	12877	18778	16952	21811	10375	11139	12693
5	Manufacturing	5263	5319	5410	15959	16030	15261	7035	6820	7241
	5.1. Registered	2155	2312	2191	13483	13635	12697	1926	1876	1948
	5.2. Un-registered	3108	3007	3219	2476	2395	2564	5109	4944	5293
6	Construction	1235	1507	1708	1083	1321	1497	1136	1385	1569
7	Electricity, Gas & Water Supply	968	1026	972	995	1052	978	837	885	822
	Sub-Total-Secondary Sector	7466	7852	8090	18037	18403	17736	9008	9090	9632
8	Transport, Storage and Communication	2027	2260	2513	1711	1940	2173	1852	2061	2286
	8.1 Railways	50	72	90	135	197	244	39	57	70
	8.2 Transport by other means and Storage	1618	1778	1954	1326	1457	1602	1552	1706	1875
	8.3 Communication	359	410	469	250	286	327	261	298	341
9	Trade Hotel Sand restaurants	4203	4272	4339	4269	4339	4406	4833	4912	4989
10	Banking and Insurance	1306	1587	1926	1095	1331	1616	957	1162	1411
11	Real Estate, Ownership of dwelling etc.	534	616	707	469	540	622	450	519	597
12	Public Administration	3684	4337	5105	1521	1790	2108	1483	1746	2055
13	Other Services	4428	5002	5702	4052	4577	5218	3913	4420	5039
	Sub-Total Tertiary Sector	16182	18074	20292	13117	14517	16143	13488	14820	16377
	Net Domestic Product	35770	37543	41259	49932	49872	55690	32871	35049	38702
	Population ('000)	2569	2613	2658	2804	2847	2891	2341	2365	2389
	Per Capita Income (Rs.)	1392	1437	1552	1781	1752	1926	1404	1482	1620

P—Provisional

TABLE 3—(Contd.)

Sl. No.	Industry of Origin	Kottayam			Idukki			Ernakulam		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1	Agriculture	10684	11936	14745	9748	10301	11724	11495	12014	14369
2	Forestry and Logging	10	5	57	428	914	962	43	59	68
3	Fishing	70	79	99	6	6	7	1259	1261	1582
4	Mining and Quarrying	44	55	123	..	..	..	2	1	1
	Sub Total: Primary Sector	10808	12075	15024	10182	11221	12693	12799	13335	16020
5	Manufacturing	2711	2712	2941	897	900	946	6988	7221	8030
5.1	Registered	947	1005	1113	555	569	591	4407	4724	5357
5.2	Un-registered	1764	1707	1828	342	331	355	2581	2497	2673
6	Construction	926	1130	1280	992	1210	1371	2301	2806	3181
7	Electricity, Gas and Water Supply	506	535	498	116	123	115	1133	1200	1121
	Sub Total: Secondary Sector	4143	4377	4719	2005	2233	2432	10422	11227	12332
8	Transport, Storage and Communication	1540	1720	1914	1044	1152	1273	4577	5084	5626
8.1	Railways	53	77	96	..	..	..	110	161	200
8.2	Transport by other means and Storage	1278	1404	1545	913	1003	1102	4146	4556	5007
8.3	Communication	209	239	273	131	149	171	321	367	419
9	Trade Hotels and Restaurants	3049	3098	3147	735	746	758	2681	2725	2767
10	Banking and Insurance	878	1066	1294	203	246	299	2734	3320	4030
11	Real Estate, Ownership of dwellings etc.	361	416	479	154	178	205	736	849	976
12	Public Administration	982	1156	1360	319	375	442	1651	1944	2288
13	Other Services	3117	3521	4015	953	1077	1228	4169	4710	5369
	Sub Total: Tertiary Sector	9927	10977	12209	3408	3774	4205	16548	18632	21056
	Net Domestic Product	24878	27429	31952	15595	17228	19330	39769	43194	49408
	Population ('000)	1691	1707	1724	962	985	1009	2517	2557	2598
	Per Capita Income (Rs.)	1471	1591	1853	1621	1749	1916	1580	1689	1901

P—Provisional

TABLE 3—(Contd.)

Sl. No.	Industry of Origin	Trichur			Palghat			Malappuram		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
1	Agriculture	11033	10610	12505	10235	11679	12800	9739	9142	10970
2	Forestry and Logging	485	551	1262	279	137	421	1141	671	859
3	Fishing	355	410	515	13	15	19	202	186	234
4	Mining and Quarrying	..	..	1	..	..	140	..	..	..
	Sub Total: Primary Sector	11873	11571	14283	10527	11831	13380	11082	9999	12063
5	Manufacturing	5912	5928	6578	3729	3651	3971	1952	1914	2208
5.1	Registered	2383	2513	2922	1306	1307	1461	425	436	626
5.2	Un-registered	3529	3415	3656	2423	2344	2510	1527	1478	1582
6	Construction	1189	1451	1644	1018	1242	1408	829	1011	1146
7	Electricity, Gas and Water supply	1014	1071	990	541	572	531	407	430	398
	Sub Total: Secondary Sector	8115	8450	9212	5288	5465	5910	3188	3355	3752
8	Transport, Storage and Communication	1832	2070	2318	1610	1851	2089	1723	1953	2183
8.1	Railways	106	155	192	194	282	350	144	211	261
8.2	Transport, by other means and Storage	1317	1447	1591	1127	1238	1361	1434	1576	1732
8.3	Communication	409	468	535	289	331	378	145	166	190
9	Trade, Hotels & Restaurants	4789	4867	4943	3460	3516	3571	3783	3845	3905
10	Banking and Insurance	1267	1539	1868	739	897	1089	321	390	474
11	Real Estate, Ownership of dwellings etc.	505	582	670	317	366	420	199	229	264
12	Public Administration	1473	1734	2041	1042	1227	1444	685	806	949
13	Other Services	3885	4389	5003	2693	3042	3468	2525	2852	3252
	Sub-Total: Tertiary Sector	13751	15181	16843	9861	10899	12081	9236	10075	11027
	Net Domestic Product	33739	35202	40338	25676	28195	31371	23506	23429	26842
	Population ('000)	2422	2456	2489	2025	2065	2105	2372	2434	2497
	Per Capita Income (Rs.)	1393	1433	1621	1268	1365	1490	991	963	1075

P—Provisional

TABLE 3—(Concl'd).

Sl.No.	Industry of Origin	Wynad			Kozhikode			Cannanore			Kerala State		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1980-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)
1	Agriculture	..	6490	3807	13403	8408	12968	18703	12941	17101	129481	128764	150558
2	Forestry and Logging	..	602	1795	1177	68	244	1795	259	772	7034	3927	9704
3	Fishing	..	..	..	528	570	715	834	810	1017	7997	6677	8382
4	Mining and Quarrying	..	..	..	9	17	3	48	49	34	531	586	656
	Sub-Total: Primary Sector	..	7092	5602	15117	9063	13930	21380	14059	18924	145043	139954	169300
5	Manufacturing	..	814	1061	4001	3377	3722	4535	4298	4697	58982	58984	62066
5.1	Registered	..	636	870	2579	2077	2331	2481	2412	2678	32647	33502	34785
5.2	Un-registered	..	178	191	1422	1300	1391	2054	1886	2019	26335	25482	27281
6	Construction	..	396	449	1200	1201	1361	1247	1387	1572	13156	16047	18186
7	Electricity, Gas and Water Supply	..	73	69	508	500	466	808	817	758	7833	8284	7718
	Sub-Total: Secondary Sector	..	1283	1579	5709	5078	5549	6590	6502	7027	79971	83315	87970
8	Transport, Storage and Communication	..	263	296	2592	2458	2742	1900	2367	2649	22408	25179	28062
8.1	Railways	..	49	60	145	200	248	197	250	310	1173	1711	2121
8.2	Transport by other means and storage	..	161	176	2152	1971	2172	1423	1793	1969	18286	20096	22086
8.3	Communication	..	53	60	295	281	322	280	324	370	2949	3372	3855
9	Trade Hotels and Restaurants	..	1200	1218	5852	4859	4935	6085	6073	6168	43739	44452	45146
10	Banking and Insurance	..	204	248	845	824	1000	849	1029	1249	11194	13595	16504
11	Real Estate, Ownership of dwellings etc.	..	16	18	466	522	600	348	401	461	4539	5234	6019
12	Public Administration	..	282	332	1274	1145	1348	1151	1428	1682	15265	17970	21154
13	Other Services	..	631	719	3573	3353	3822	3378	3869	4410	36686	41443	47245
	Sub-Total: Tertiary Sector	..	2596	2831	14602	13161	14447	13711	15167	16619	133831	147873	164130
	Net Domestic Product	..	10971	10012	33428	27302	33926	41681	35728	42570	358845	371142	421400
	Population ('000)	..	565	576	2604	2263	2305	2951	2829	2881	25258	25686	26121
	Per capital income (Rs.)	..	1942	1738	1361	1206	1471	1412	1263	1427	1421	1445	1613

P—Provisional

TABLE 4

District-wise distribution of the Net State Domestic Product at factor cost by Industry of Origin
(At 1970-71 Prices)

(Rs. in lakhs)

Sl. No.	Industry of Origin	Trivandrum			Quilon			Alleppey		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Agriculture	5213	5024	4379	6916	6498	6341	4707	5084	5008
2	Forestry and Logging	20	8	26	225	85	255	..	Nil	1
3	Fishing	224	174	201	890	597	689	205	207	239
4	Mining and Quarrying	13	13	8	46	37	42	62	58	32
	Sub-Total: Primary Sector	5470	5219	4614	8077	7217	7327	4974	5349	5280
5	Manufacturing	2303	2466	2572	6508	7373	7381	3143	3171	3423
5.1	Registered	856	1060	1067	5356	6253	6182	765	860	949
5.2	Un-registered	1447	1406	1505	1152	1120	1199	2378	2311	2474
6	Construction	540	548	581	473	480	509	496	503	534
7	Electricity, Gas and Water Supply	425	579	449	436	600	459	367	505	386
	Sub-Total: Secondary Sector	3268	3593	3642	7417	8453	8384	4006	4179	4380
8	Transport, Storage and Communication	999	1100	1199	858	940	1021	816	898	978
8.1	Railways	38	39	41	102	107	112	30	31	32
8.2	Transport by other means and Storage	741	818	891	601	663	722	625	690	751
8.3	Communication	220	243	267	155	170	187	161	177	195
9	Trade, Hotels and Restaurants	1751	1868	1993	1777	1897	2024	2012	2148	2292
10	Banking and Insurance	466	520	580	391	436	485	340	381	425
11	Real Estate, Ownership of dwellings etc.	391	404	465	336	347	399	307	317	364
12	Public Administration	2382	2805	3302	984	1158	1362	958	1128	1328
13	Other Services	2370	2546	2872	2040	2193	2474	2096	2252	2539
	Sub-Total: Tertiary Sector	8831	9907	11199	6794	7543	8444	6946	7711	8623
	Net Domestic Product	17569	18719	19455	22288	23213	24155	15926	17239	18283
	Population ('000)	2569	2613	2658	2804	2847	2891	2341	2365	2389
	Per capita Income (Rs.)	684	716	732	795	815	836	680	672	765

P—Provisional

TABLE No. 4 (Contd.)

Sl. No.	Industry of Origin	Kottayam			Idukki			Ernakulam		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1	Agriculture	5179	5287	5527	3764	3891	4117	5962	6217	6072
2	Forestry and Logging	1	1	5	63	129	83	6	8	6
3	Fishing	20	20	23	2	1	2	355	350	405
4	Mining and Quarrying	13	13	29	..	..	..	..	..	..
	Sub-Total—Primary Sector	5213	5321	5584	3829	4021	4202	6323	6575	6483
5	Manufacturing	1197	1529	1396	379	416	454	2952	3333	3858
5.1	Registered	376	461	542	220	261	288	1751	2166	2608
5.2	Un-registered	821	798	854	159	155	166	1201	1167	1250
6	Construction	404	411	436	434	440	467	1006	1020	1082
7	Electricity, Gas and Water Supply	222	305	233	51	70	54	497	683	525
	Sub-Total—Secondary Sector	1823	1975	2094	864	926	1006	4455	5036	5539
8	Transport, Storage & Communi- cation	743	818	889	491	542	591	1630	1794	1952
8.1	Railways	40	42	44	..	..	..	84	88	92
8.2	Transport by other means & Storage	575	635	690	411	454	494	1349	1489	1621
8.3	Communication	128	141	155	80	88	97	197	217	239
9	Trade, Hotels and Restaurants	1270	1355	1446	306	327	349	1117	1192	1272
10	Banking and Insurance	313	350	390	73	81	90	975	1088	1213
11	Real Estate, Ownership of dwellings etc.	245	253	291	102	106	122	572	591	680
12	Public Administration	635	748	881	206	243	286	1067	1256	1478
13	Other Services	1555	1671	1886	453	486	549	2251	2419	2728
	Sub-Total: Tertiary Sector	5071	5631	6300	1721	1912	2137	8060	8970	10072
	Net Domestic Product	12107	12927	13978	6414	6859	7345	18838	20581	22094
	Population ('000)	1691	1707	1724	962	985	1009	2517	2557	2598
	Percapita Income (Rs.)	716	757	811	667	696	728	748	805	850

P—Provisional

TABLE NO. 4 (Contd.)

Sl. No.	Industry of Origin	Trichur			Palghat			Malappuram		
		1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)	1980-81	1981-82 (P)	1982-83 (P)
(1)	(2)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
1.	Agriculture	5124	5198	5126	5679	5965	5877	4560	4304	4356
2.	Forestry and Logging	71	78	109	41	19	36	167	95	74
3.	Fishing	100	118	136	4	4	4	56	55	64
4.	Mining and Quarrying	..	..	..	..	..	33	..	..	..
	Sub-Total: Primary Sector	5295	5394	5371	5724	5988	5950	4783	4454	4494
5.	Manufacturing	2590	2748	3132	1647	1695	1884	880	891	1044
5.1	Registered	947	1152	1423	519	599	711	169	200	305
5.2	Unregistered	1643	1596	1709	1128	1095	1173	711	691	739
6.	Construction	520	527	560	445	452	479	362	368	390
7.	Electricity, Gas and Water Supply	444	613	467	237	326	249	178	246	188
	Sub-Total: Secondary Sector	3554	3888	4197	2329	2473	2645	1420	1505	1648
8.	Transport, Storage and Communication	965	1062	1156	802	878	952	835	916	993
8.1	Railways	81	85	89	147	154	161	110	115	120
8.2	Transport by other means and Storage	633	699	761	478	528	575	636	702	764
8.3	Communication	251	278	306	177	196	216	89	99	109
9.	Trade, Hotels and Restaurants	1995	2129	2272	1441	1538	1641	1576	1682	1795
10.	Banking and Insurance	452	504	562	264	294	328	115	128	143
11.	Real Estate Ownership of dwellings etc.	380	393	452	224	231	266	129	133	153
12.	Public Administration	953	1122	1321	674	793	934	443	522	615
13.	Other Services	2036	2188	2468	1478	1588	1791	1272	1367	1542
	Sub-Total: Tertiary Sector	7186	7968	8908	5177	5736	6404	4623	5104	5664
	Net Domestic Product	16035	17250	18476	13230	14197	14999	10826	11063	11806
	Population ('000)	2422	2456	2489	2025	2065	2105	2372	2434	2497
	Per capita Income (Rs.)	662	702	742	653	688	713	456	455	473

P—Provisional.

TABLE No. 4 (Contd.)

Industry of origin (1)	Wynad			Kozhikode			Cannanore			Kerala State		
	1980-81 (30)	1981-82 (P) (31)	1982-83 (P) (32)	1980-81 (33)	1981-82 (P) (34)	1982-83 (P) (35)	1980-81 (36)	1981-82 (P) (37)	1982-83 (P) (38)	1980-81 (39)	1981-82 (P) (40)	1982-83 (P) (41)
1. Agriculture	2775	1772	5806	4070	5088	6952	5635	6464	59862	59948	60127	
2. Forestry and logging	85	155	172	10	21	262	37	67	1028	555	838	
3. Fishing	..	..	147	168	194	232	239	276	2235	1933	2233
4. Mining and Quarrying	..	..	3	4	1	13	11	8	150	136	153
Sub-Total-Primary Sector	2860	1927	6128	4252	5304	7459	5922	6815	63275	62572	63351	
5. Manufacturing	375	512	1686	1560	1785	1942	1987	2247	25227	27274	29688	
5.1 Registered	292	423	1024	953	1135	986	1106	1304	12969	15363	16937	
5.2 Un-registered	83	89	662	607	650	956	881	943	12258	11911	12751	
6. Construction	144	153	524	436	463	545	504	535	5749	5833	6189	
7. Electricity, Gas and Water Supply	42	32	222	285	219	353	466	356	3432	4720	3517	
Sub-Total—Secondary Sector	561	707	2432	2281	2499	2840	2957	3175	34408	37827	39394	
8. Transport, Storage and Communication	88	95	981	1009	1096	925	989	1074	10045	11034	11996	
8.1 Railways	27	28	111	109	114	150	136	142	893	933	975	
8.2 Transport by other means and Storage	58	63	688	717	780	603	650	708	7340	8103	8820	
8.3 Communication	3	4	182	183	202	172	203	224	1812	1998	2201	
9. Trade, Hotels & Restaurants	525	560	2437	2126	2268	2534	2656	2834	18216	19443	20746	
10. Banking & Insurance	67	75	302	337	376	303	270	301	3994	4456	4968	
11. Real Estate ownership of dwellings etc.	6	..	332	337	393	238	246	283	3256	3364	3868	
12. Public Administration	182	214	824	739	870	744	923	1087	9870	11619	13678	
13. Other Services	414	466	2049	1675	1888	1840	2091	2359	19440	20890	23562	
Sub-Total—Tertiary Sector	1389	1538	7333	6659	7409	6950	7720	8585	64821	70806	78818	
Net Domestic Product	4810	4172	15893	13192	15212	17249	16599	18575	162504	171205	181563	
Population ('000)	565	576	2604	2263	2305	2951	2829	2881	25258	25686	26121	
Per-capita Income (Rs.)	845	724	610	583	660	585	586	645	643	667	696	

P—Provisional.

TABLE No. 5

Growth in Net State Domestic Product and Per Capita Income of Kerala

	At current prices				At constant prices			
	Net Domestic Product Rs. lakhs	Index	Per capita income Rupees	Index	Net Domestic Product Rs. lakhs	Index	Per capita income Rupees	Index
1970-71	125464	100	594	100	125464	100	594	100
1980-81	358845	286	1421	239	162504	130	643	108
1981-82	371142	296	1445	243	171205	136	667	112
1982-83	421400	336	1613	272	181563	145	696	117
1983-84	467935	373	1761	296	189887	151	718	121
<hr/>								
1. Kerala	125464	100	594	100	125464	100	594	100
2. All India	125464	100	594	100	125464	100	594	100
3. Agriculture and allied activities	125464	100	594	100	125464	100	594	100
4. Industry and construction	125464	100	594	100	125464	100	594	100
5. Services	125464	100	594	100	125464	100	594	100
6. Net Domestic Product	125464	100	594	100	125464	100	594	100
7. Population (000)	125464	100	594	100	125464	100	594	100
8. Per capita income (Rs.)	125464	100	594	100	125464	100	594	100

31/12/84

TABLE No. 7

Per capita Income of Various States—at current prices (Rs.)

Sl. No.	State/Union territory	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Andhra Pradesh	586	627	657	857	1010	883	877	1002	1083	1167	1313	1536	..	..
2	Assam	535	548	577	648	822	783	875	933	1007	1063	1221	1380	..	..
3	Bihar	402	415	480	575	687	661	697	741	773	806	927	995	..	..
4	Gujarat	829	827	761	1116	1037	1239	1404	1520	1548	1641	1328	2192	2182	..
5	Haryana	877	960	1015	1217	1300	1434	1646	1768	1895	1949	2331	2601	2858	3147
6	Himachal Pradesh	678	716	769	936	1048	1078	1029	1178	1295	1289	1521	1773	1865	..
7	Jammu & Kashmir	548	588	610	716	830	928	909	1113	1222	1301	1496	1630	..	..
8	Karnataka	685	698	712	973	1077	1005	999	1132	1136	1208	1314	1541	1559	..
9	Kerala	594	592	662	811	910	954	1009	1043	1121	1271	1421	1445	1613	1761
10	Madhya Pradesh	484	534	575	733	837	781	778	926	889	855	1149	1240	1357	1636
11	Maharashtra	783	808	838	1087	1360	1388	1515	1663	1800	2034	2261	2496	2575	..
12	Manipur	377	446	550	663	778	776	752	780	792	945	1052	1045	..	..
13	Meghalaya	..	..	..	598	..	..	..	..	1012	1068	1135	1236	1308	..
14	Orissa	478	473	575	699	715	729	690	845	873	847	1101	1308	..	..
15	Punjab	1070	1121	1244	1513	1634	1749	2019	2231	2351	2611	2771	3164	3484	..
16	Rajasthan	620	560	597	827	849	863	948	1020	1139	1030	1238	1441	1574	..
17	Tamilnadu	581	648	669	794	826	832	944	1018	1070	1210	1197	1373	..	..
18	Tripura	502	563	534	649	789	813	896	928	1019	1095	1206	..	..	..
19	Uttar Pradesh	486	497	603	668	752	721	818	929	935	965	1272	1296	1443	1567
20	West Bengal	722	779	781	935	1081	1109	1194	1266	1304	1413	1553	1595	..	..
21	Delhi	1199	1303	1384	1539	1863	2033	2174	2340	2401	2628	2872	3208	..	..
22	Goa, Daman & Diu	916	993	1048	1284	1506	1615	1791	2000	2119	2527	2794	2831	..	..
23	Pondichery	848	978	1053	1372	1497	1593	1718	2021	2347	2747	3160	3703	3630	..
24	Arunachal	350	373	390	409	..	..	..	..	..	..	..	..	..	..
25	All India	633	660	712	871	1006	1024	1077	1191	1252	1333	1559	1741	1868	2201

100

100.00

100.00

100.00

100.00

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100.00

100.00

100.00

100.00

100.00

100.00

Net State domestic product
 Sub-Total-Taxity
 Community and personal
 services

TABLE No. 8

Per Capita Income of various States at constant prices (Rs.)

Sl. No.	State/Union territory	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1.	Andhra Pradesh	586	592	534	624	628	625	556	616	659	631	649	718	..	..
2.	Assam	535	544	552	549	530	559	538	565	545	516	558	546	..	..
3.	Bihar	402	406	397	382	394	413	423	437	438	406	447	448	..	..
4.	Gujarat	829	832	650	775	652	818	851	882	911	852	861	948	861	..
5.	Haryana	877	887	846	819	802	939	976	991	1064	965	1058	1082	1126	1127
6.	Himachal Pradesh	678	680	669	693	678	738	686	729	742	637	685	728	686	..
7.	Jammu & Kashmir	546	547	538	559	566	573	553	611	648	633	673	681	..	..
8.	Karnataka	685	683	629	719	696	702	631	723	723	675	637	678	662	..
9.	Kerala	594	613	615	600	595	610	592	590	593	612	643	667	696	718
10.	Madhya Pradesh	484	507	474	477	467	497	449	507	480	392	504	519	519	572
11.	Maharashtra	783	786	729	799	855	878	914	964	1002	1000	980	1007	978	..
12.	Manipur	377	390	375	444	470	469	464	488	444	430	462	462	..	..
13.	Orissa	478	427	462	483	410	475	435	503	527	428	529	564	..	..
14.	Punjab	1070	1084	1098	1107	1120	1192	1244	1320	1388	1365	1380	1443	1474	..
15.	Rajasthan	620	536	498	541	499	572	584	600	631	525	542	575	597	..
16.	Tamil Nadu	581	599	589	603	514	598	606	655	669	646	615	667	..	..
17.	Tripura	502	540	461	553	512	158	563	580	592	590	623	..	..	..
18.	Uttar Pradesh	486	450	467	436	446	474	477	506	514	432	519	510	522	533
19.	West Bengal	722	738	701	708	715	747	753	794	761	716	761	720	..	..
20.	Delhi	1199	1236	1216	1208	1207	1271	1313	1352	1382	1396	1367	1441	..	..
21.	Goa, Daman, Diu	916	1006	992	1016	1148	1224	1238	1293	1240	1296	1421	1423	..	..
22.	Pondicherry	844	926	906	982	856	921	973	1088	1263	1262	1308	1382	1359	..
23.	All India	633	627	604	621	618	661	650	693	716	662	697	715	711	749

TABLE No. 9

Net State Domestic Product at Factor cost by Industry of origin of various States at current prices

(Rs. in lakhs)

Sl.No.	State/Union Territory	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-7
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Andhra Pradesh	252280	275800	294790	392600	472220	421800	427560
2	Assam	77140	81390	88260	102310	133700	131440	151420
3	Bihar	224540	236260	278370	340010	413950	406220	436400
4	Gujarat	218920	224200	210860	316910	301750	369710	428300
5	Haryana	86890	97670	105970	130380	142900	161640	190220
6	Himachal Pradesh	23240	25050	27480	34160	39080	41050	39950
7	Jammu & Kashmir	24960	27490	29250	35200	41850	48000	48210
8	Karnataka	198450	206610	215180	300200	339040	322540	327160
9	Kerala	125464	127606	145722	182300	208552	222823	239838
10	Madhya Pradesh	199130	225090	248580	324470	579600	362670	369320
11	Maharashtra	387550	409440	434220	575790	735930	767680	856350
12	Manipur	3980	4850	6160	7640	9230	9460	9450
13	Meghalaya	..	..	..	6540	..	..	..
14	Orissa	103740	104750	129740	160720	167250	173860	167420
15	Punjab	143620	153380	173680	215570	237960	259890	306180
16	Rajasthan	157880	146410	160540	228510	241330	250600	284990
17	Tamil Nadu	237110	26962	283900	343230	363870	372740	430390
18	Tripura	7790	8860	8580	-11040	13820	14640	16420
19	Uttar Pradesh	425600	443400	549100	622000	715400	700500	813500
20	West Bengal	316810	349000	357170	436630	515060	539530	593590
21	Delhi	47730	54100	59980	69580	87860	100070	111630
22	Goa, Daman, Diu	7670	8610	9280	11610	13900	15170	17140
23	Pondicherry	3920	4650	5120	6810	7580	8230	9040
24	All India	3451900	3686400	4057200	5074900	5973700	6232400	6698700

TABLE No. 9 (Concl'd)

Sl.No.	State/Union Territory	1977-78	1978-79	1979-80	1980-81	1981-82 (P)	1982-83 P	1983-84 Q
(1)	(2)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Andhra Pradesh	499400	551110	607030	697540	833560	..	..
2	Assam	166620	185610	202280	239780	279840	..	..
3	Bihar	473100	52910	534600	641400	704000	..	..
4	Gujarat	475700	495500	538130	614200	754200	770300	..
5	Haryana	209520	230060	242270	298179	340892	383437	431973
6	Himachal Pradesh	46660	52310	53070	64410	76730	82450	..
7	Jammu & Kashmir	60560	68140	74420	87740	98000	..	..
8	Karnataka	378000	386620	432120	481810	579490	598690	..
9	Kerala	252049	275349	315556	358845	371142	421400	467935
10	Madhya Pradesh	449580	441390	433670	594520	654250	729600	895960
11	Maharashtra	961250	1063250	1227930	1395130	1574060	1627210	..
12	Manipur	10080	10530	12920	14810	15130	..	..
13	Meghalaya	12640	13710	14980	16770	18240	..	..
14	Orissa	209000	219860	217410	287820	348190	..	..
15	Punjab	345470	371880	421960	457710	533910	600090	..
16	Rajasthan	317980	363290	338150	418030	500650	562550	..
17	Tamil Nadu	470990	502300	575410	575370	669190	..	..
18	Tripura	17470	19680	21710	24510	..	..	..
19	Uttar Pradesh	946400	975600	1032000	1395501	1457690	1668743	1863252
20	West Bengal	642280	675440	747300	839120	879530	..	..
21	Delhi	125400	134280	153810	174860	199540	..	..
22	Goa, Daman, Diu	19480	21000	25450	28550	31110	..	..
23	Pondicherry	10830	13490	16180	19092	22944	23073	..
24	All India	7571200	8135100	8835300	10553600	12081300	13315100	16027900

P—Provisional

Q—Quick estimates

TABLE No. 10

Net State Domestic Product at factor cost by Industry of origin of various States at 1970-71 prices

(Rs. in lakhs)

Sl.No.	State/Union Territory	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Andhra Pradesh	252280	260020	239660	285960	293470	298300	271390
2	Assam	77140	80710	84440	86590	86180	93860	93210
3	Bihar	224540	230930	229980	226040	237610	253340	265000
4	Gujarat	218920	225620	180050	220220	189810	243870	259660
5	Haryana	86890	90200	88320	87700	88160	105910	112790
6	Himachal Pradesh	23240	23770	23910	25290	25280	28100	26620
7	Jammu & Kashmir	24960	25600	25780	27470	28540	29640	29350
8	Karnataka	198450	202300	189920	221840	219050	225230	206680
9	Kerala	125464	132278	135500	134897	136311	142323	140605
10	Madhya Pradesh	199130	213890	205000	211070	211850	230740	213180
11	Maharashtra	387550	398220	377600	422920	462760	485930	516690
12	Manipur	3980	4250	4200	5110	5570	5720	5820
13	Orissa	103740	94520	104230	111050	95890	113250	105570
14	Punjab	143620	148430	153330	157750	163080	177170	188580
15	Rajasthan	157880	139940	133820	149390	141770	166020	175560
16	Tamil Nadu	237110	249080	249980	260930	226570	267900	276320
17	Tripura	7790	8500	7310	9400	8970	9350	10320
18	Uttar Pradesh	425600	401700	425400	405900	423700	461100	474500
19	West Bengal	316810	330370	320540	330390	340850	363430	374050
20	Delhi	47730	51320	52680	54600	56940	62560	67430
21	Goa, Daman, Diu	7670	8720	8790	9190	10600	11490	11850
22	Pondicherry	3920	4410	4400	4870	4330	4760	5120
	All India	3451900	3502800	3450200	3620300	3662400	4015500	4035500

TABLE No. 10 *Concd.*

Sl. No.	State/Union Territory	1977-78	1978-79	1979-80	1980-81	1981-82 (P)	1982-83 (P)	1983-84 (Q)
(1)	(2)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1.	Andhra Pradesh	306680	335270	327980	344700	389610	..	..
2.	Assam	100970	100410	98230	109510	110720	..	..
3.	Bihar	278900	284860	269400	309500	317000	..	..
4.	Gujarat	27600	291000	279540	289300	326200	304000	..
5.	Haryana	117410	129090	119970	135332	141764	151087	154662
6.	Himachal Pradesh	28880	29970	26210	29010	31500	30340	..
7.	Jammu & Kashmir	33210	36120	36210	39460	40940	..	..
8.	Karnataka	241340	245990	241550	233670	254780	254280	..
9.	Kerala	142554	145645	152031	162504	171205	181563	189887
10.	Madhya Pradesh	246090	238470	198580	260690	273780	278750	313240
11.	Maharashtra	556900	591700	603420	604460	634850	630570	..
12.	Manipur	6300	5900	5870	6510	6690	..	..
13.	Orissa	124480	132820	109720	138300	149960	..	..
14.	Punjab	204380	219550	220710	228030	243460	253990	..
15.	Rajasthan	185370	201150	172230	183050	199800	213550	..
16.	Tamil Nadu	303090	314220	306960	295680	325150	..	..
17.	Tripura	10920	11440	11720	12670	..	..	..
18.	Uttar Pradesh	515400	536100	461700	569303	574777	603261	633947
19.	West Bengal	403030	394370	378560	410800	397010	..	..
20.	Delhi	72430	77290	81460	83930	89630	..	..
21.	Goa, Daman, Diu	12590	12290	13050	14520	15640	..	..
22.	Pondicherry	5830	7260	7440	7904	8566	8635	..
	All India	4401200	4645800	4378800	4723500	4963300	5063300	5445800
	P Provisional							
	Q Quick estimates							

TABLE 11
Gross State Domestic Product of Kerala at Current Prices

(Rs. in lakhs)

Sl. No.	Industry of Origin	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	Agriculture	59420	55778	65258	87556	95710	94378	102375
2.	Forestry and Logging	1113	1095	1444	2161	2050	3196	2641
3.	Fishing	2859	3156	3674	5016	6266	7376	6029
4.	Mining and Quarrying	99	116	122	148	193	190	193
	Sub Total: Primary	63491	60145	70498	94881	104219	105140	111238
5.	Manufacturing	18426	19870	22078	25137	28476	33208	36222
1.	Registered	9470	10582	11123	12950	15247	17321	19992
2.	Unregistered	8956	9288	10955	12187	13229	15887	16230
6.	Construction	3840	4320	5480	5488	6239	7544	7431
7.	Electricity, Gas & Water Supply	1518	1751	1925	2243	2560	2907	3812
	Sub Total: Secondary	23784	25941	29483	32868	37275	43659	47465
8.	Transport, Storage and Communication	7453	8292	9105	10246	13085	16165	18840
8.1.	Railways	730	702	765	692	824	1049	1174
2.	Transport by other means and storage	5800	6474	7238	8356	10844	13475	15675
3.	Communication	923	1116	1102	1198	1417	1641	1991
9.	Trade, Hotels and Restaurants]	16683	16585	19389	23459	27782	28747	30167
	Transport, Communication and trade	24136	24877	28494	33705	40867	44912	49007
10.	Banking and Insurance	1658	2372	2650	3317	4219	5191	5918
11.	Real estate, ownership of dwelling etc.	3422	3710	3745	3999	4414	4748	5109
	Finance and Real Estate	5080	6082	6395	7316	8633	9939	11027
12.	Public Administration	3526	3837	4302	5322	6190	6982	7832
13.	Other Services	13120	14023	15424	17278	21799	25491	27353
	Community and peronnel services	16646	17860	19726	22600	27989	32473	35185
	Sub Total: Tertiary	45862	48819	54615	63621	77489	87324	95219
	Gross State Domestic product	133137	134905	154596	191370	218983	236123	253922
	Population ('000)	21126	21571	22026	22473	22914	23345	23763
	Per capita Income (Rs.)	630	625	702	852	956	1011	1069

TABLE No. 11 (Concl'd.)

(Rs. in lakhs)

Sl. No.	Industry of Origin	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
(1)	(2)	(10)	(11)	(12)	(13)	(14)	(15)
1.	Agriculture	101283	110996	126907	134007	134141	156174
2.	Forestry & Logging	3972	5199	5863	7105	3966	9802
3.	Fishing	7147	8517	6998	8852	7341	9260
4.	Mining & Quarrying	172	255	308	242	314	390
	Sub Total: Primary	112574	124967	140076	150206	145762	175626
5.	Manufacturing	37737	41908	52005	66128	71389	76311
5.1.	Registered	21773	23295	28457	37979	40548	43293
5.2.	Unregistered	15964	18613	23548	28149	30841	33018
6.	Construction	8851	9593	10566	13814	16849	19095
7.	Electricity, Gas & Water Supply	5482	7316	7425	8783	9290	8913
	Sub-Total: Secondary	52070	58817	69996	88725	97528	105266
8.	Transport, Storage & Communication	20423	24385	27041	29996	33831	37497
8.1.	Railways	1229	1237	1314	1436	2314	2734
8.2.	Transport by other means and storage	17120	20694	22758	25324	27831	30536
8.3.	Communication	2074	2454	2969	3236	3686	4177
		31536	32415	39260	44884	45617	46361
9.	Trade, Hotels & Restaurants						
	Transports communication and trade	51959	56800	66301	74880	79448	83858
10.	Banking & Insurance	7162	7987	9282	11626	14111	17131
11.	Real estate, Ownership of dwellings etc.	5172	5376	6209	7290	8406	9666
	Finance & real estate	12334	13363	15491	18916	22517	26797
12.	Public Administration	7911	9285	11386	15265	17970	21154
13.	Other Services	29823	32107	32296	37328	42168	48072
	Community & personnel services	37734	41392	43682	52593	60138	69226
	Sub-Total: Tertiary	102027	111555	125474	146389	162103	179881
	Gross State Domestic product	266671	295339	335546	385320	405393	460773
	Population ('000)	24167	24554	24829	25258	25686	26121
	Per capita Income (Rs.)	1103	1203	1351	1526	1578	1764

TABLE No. 12

Gross State Domestic Product of Kerala at Constant Prices

		(Rs. in lakhs)						
Sl. No.	Industry of Origin	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1.	Agriculture	69420	61946	61732	60824	61928	64435	
2.	Forestry & Logging	1113	1074	1056	1236	1079	1315	
3.	Fishing	2859	3129	3374	3131	3338	3249	
4.	Mining & Quarrying	99	96	99	92	92	72	
	Sub-Total: Primary	63491	66245	66261	65283	66437	69071	
5.	Manufacturing	18426	19062	20029	19708	18612	20268	
5.1.	Registered	9470	10188	9977	9561	8941	9653	
5.2.	Unregistered	8956	8874	10052	10147	9671	10615	
6.	Construction	3840	4215	4925	4524	4558	4723	
7.	Electricity, Gas & Water Supply	1518	1634	1822	1997	2153	2440	
	Sub-Total: Secondary	23784	24911	26776	26229	25323	27431	
8.	Transport, Storage & Communication	7453	7672	8055	7836	8546	9049	
8.1.	Railways	730	682	781	769	708	796	
8.2.	Transport by other means and storage	5800	5930	6227	5990	6676	6971	
8.3.	Communication	923	1060	1047	1077	1162	1282	
9.	Trade, Hotels & Restaurants	16683	17489	17767	17558	17639	18054	
	Transport, Communication & Trade	24136	25161	25822	25394	26185	27103	
10.	Banking & Insurance	1658	2254	2360	2456	2359	2658	
11.	Real estate, Ownership of dwellings etc.	3422	3459	3537	3625	3739	3835	
	Finance & Real estate	5080	5713	5897	6081	6098	6493	
12.	Public Administration	3526	3606	4258	5056	5028	5097	
13.	Other Services	13120	13356	13622	13798	14104	14828	
	Community & Personnel Services	16646	16962	17880	18854	19132	19925	
	Sub Total: Tertiary	45862	47836	49599	50329	51415	53521	
	Gross State Domestic Product	133137	138992	142636	141841	143175	150023	
	Population ('000)	21126	21571	22026	22473	22914	23345	
	Per capita Income (Rs.)	630	644	648	631	625	643	

TABLE No. 12—(Concl'd.)

		(Rs. in Lakhs)						
Sl. No.	Industry of Origin	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83
(1)	(2)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1.	Agriculture	61846	60926	61515	62694	62087	62324	62503
2.	Forestry & Logging	1187	1143	1005	934	1039	561	846
3.	Fishing	2304	2552	2801	2319	2470	2123	2466
4.	Mining & Quarrying	81	72	76	77	69	73	90
	Sub-Tota : Primary	65418	64693	65397	66024	65665	65081	65905
5.	Manufacturing	21633	21433	20813	22858	26217	32947	35220
5.1	Registered	11240	11887	10795	11909	15085	18591	19850
5.2	Unregistered	10393	9546	10018	10949	11132	14356	15370
6.	Construction	4399	4945	5170	5185	6037	6125	6365
7.	Electricity, Gas & Water Supply	2689	3336	3782	3961	4382	5023	4830
	Sub-Total: Secondary	28721	29714	29765	32004	36636	44095	46415
8.	Transport, Storage & Communication	9535	9986	10415	11341	12146	13261	13900
8.1.	Railways	967	1086	1007	1016	1093	1262	1464
8.2.	Transport by other means & Storage	7334	7700	8004	8526	9068	9820	9925
8.3.	Communication	1234	1200	1404	1799	1985	2179	2511
9.	Trade, Hotels and Restaurants	17554	17529	17662	18026	18690	19950	21286
	Transport, Communication & Trade	27089	27515	28077	29367	30836	33211	35186
10.	Banking & Insurance	2634	3296	4053	3957	4073	4544	5066
11.	Real estate, Ownership of dwellings etc.	3912	3991	4072	4209	4328	4409	4454
	Finance & Real estate	6546	7287	8125	8166	8401	8953	9520
12.	Public Administration	5102	5259	6431	7810	9870	11619	13678
13.	Other Services	15178	16155	16427	16850	19638	21103	23802
	Community and Personnel Services	20280	21414	22858	24660	29508	32722	37480
	Sub-Total: Tertiary	53915	56216	59060	62193	68745	74886	82186
	Gross State Domestic Product	148054	150623	154222	160221	171046	184062	194506
	Population ('000)	23763	24167	24554	24829	25258	25686	26121
	Per capita Income (Rs.)	623	623	628	645	677	717	745

Factor Income

(a) Methodology

By definition factor income includes four categories viz., (1) Compensation to employees, (2) Rent, (3) Interest and (4) Profits and Dividends. But in under developed countries like India, the demarcation line is not clear out. In such countries there exist a large number of unincorporated enterprises and household industries. Most of them do not properly maintain records. Besides, they may be managed by self employed workers. In such cases income generated cannot be separated between income from labour and other factors. Hence an additional item of 'mixed income of the self employed' is also introduced. This covers total income of the own account workers as well as the profits and dividends generated in the unincorporated enterprises.

Method of Estimation

As in the case of estimation of net domestic product, the estimates of factor incomes are prepared by sectors.

Agriculture

The estimates are prepared separately for organised and unorganised segments.

The organised part of the sector consists of plantation, and government irrigation system. For plantations (tea, coffee, rubber, and others) the estimates are based on the results of the annual R.B.I. studies on Finances of Medium and Large public limited companies (RBI Bulletin). (1983-July) From the report data regarding the compensation, rent, interest and profits as percentage of value of production for the year 1980-81 are available. With the help of these percentages Components of factor Income of plantation crops like, tea, coffee, rubber, cocoa etc. are estimated. The estimates of a factor incomes from Government irrigation system obtained from the analysis of the budget data and annual reports are added to arrive at the factor income of the organised activities.

The estimates of unorganised agriculture are based on the sample survey of cost of cultivation studies. The study relates to the year 1980-81. From the report we get information on per acre value of output and cost of hired labour. The results are used to determine the proportions of compensation of employees to value of output at the crop level. These are then used to estimate the factor incomes in agriculture (cultivation) sub-sector.

Since no data regarding the livestock sub-sector are available the same proportion as for agriculture (cultivation) sub-sector are applied to this sector also.

Forestry and Logging

The estimates for this sector are based on the data available in the annual budget documents of the State Government. Expenditure on compensation of employees and interest are available from the demand for expenditure. The surplus is derived by subtracting the total expenditure from the receipt. The distribution of factor incomes in the net value added derived from these data, in respect of Government forests, is used to determine factor incomes from the sector as a whole.

Fishing

The activities of this sector are assumed to be mainly unorganised in character. The estimation of factor income mainly based on the data thrown by the study on "Economics of Artisanal and Mechanised fisheries in Kerala—A study on costs and earnings of fishing units" 1980-81. (The study was executed by the programme for community organisation (PCO)—a voluntary agency based in Trivandrum that undertakes village level development work, training, educational programmes and research—in co-operation with the FAO projects for small scale fisheries development). From the report per unit data regarding (1) gross value added (2) per capita crew remuneration etc., are available. Compensation to employees and profit are estimated with the help of these data. The survey however failed to assess interest payments. So the same rate as far All India rate is utilised for Kerala also. Mixed income of the self employed is obtained as a residual by subtracting the other factor incomes from the net value added. According to the methodology of Central Statistical Organisation payments like rent are insignificant and can be ignored.

Manufacturing Registered

The estimates are based on the data available in the ASI reports. ASI reports contain data on compensation of employees, wages and salaries, festival and other bonuses and exgratia payments paid at less frequent intervals Interest and profit are also estimated from ASI reports.

Unregistered Manufacturing

Since, data regarding the components of factor income are not available, the all India rate is adopted for the State also.

Construction

Estimates are prepared separately for the organised sector comprising public and private corporate sectors and the unorganised sector consisting of residual institutions and households. For the organised sector components of factor income are available from the detailed analysis of the annual accounts of the non-departmental undertakings engaged in construction activity in the public sector. This proportion is used for distributing net value added from organised sector into its components.

For the unorganised sector, factor income are estimated in terms of compensation of employees, interest and mixed income of the self employed. Report on the survey of households construction activities, in Kerala 1980-81 provide data regarding the financing of construction work and the rate of interest for the loans used for the purposes. From these data interest is worked out.

Electricity gas, and water supply

The estimates of factor incomes of electricity sub-sector are based on the results of the analysis of annual accounts of the Kerala State electricity Board. In respect of licences and sanction holders the estimates are based on the Annual Survey of Industries.

The estimates of the components factor income for gas are based on the analysis of the annual accounts received from the Indane distributing agencies of Kerala.

Estimates for Water supply are based on the data collected from the Municipalities, Corporations and Townships for urban areas.

Transport, Storage and Communication (1) (Railways & Communication)

The activities of this sector are considered as organised in character factor income is estimated at the same proportion as far All India estimates.

(2) Transport by other means and storage

The sub-sector is divided into organised and unorganised.

Organised.—The organised part consists of passenger transport by road inland water in public sector, sea transport by shipping companies port trust, ports and pilotage light houses and light ships, air transportation and warehousing corporation. For this sector current data on components of factor income are available in annual accounts of the non departmental enterprises and also from the budget documents of the State Government.

In respect of unorganised sector the following methods are adopted.

Private Road Transport—Data regarding the components of factor income are available from the survey annually conducted among the private bus owners—same proportion is applied for taxi cars, Autorickshaws and freight transport.

Non—Mechanised road transport & water transport unorganised:

Estimates are based on the results of the 29th national sample survey. The report provides data on value added for non-mechanised transport and also for components of factor income. Mixed income of the self employed is obtained as a residual from independent estimate of net value added.

In the case of warehousing in the private sector the factor incomes are obtained by using the proportions of compensation of employees, rent and interest as observed in the case of public warehousing corporations. The component of mixed income of self employed is obtained as a residual using the estimates of net value added.

Shipping companies:

Estimates of S.D.P. is supplied by C.S.O. since, the data on the components of factor income for the sector are not available, the net value added is distributed using the proportions of compensation of employees, rent and interest as observed in the case of Cochin port trust.

Air transport:

Since no data are available for the sector, the net value added from the sector is distributed in proportion to the factor income of the public organised sector.

Trade Hotel and Restaurants

The sector is divided into organised and unorganised. For the organised sector, the factor incomes are estimated on the basis of the details available from the annual accounts of non-departmental enterprises in this sector.

For the unorganised activities estimates are based on the 34th round NSS report.

Real Estate, Ownership of Dwellings & Business Service

Real estate.—Components are estimated using the results of the analysis of profit and loss statement of the real estate companies.

Ownership of dwelling.—The activities covered under this sector is considered to be unorganised in nature. Total net product in respect of ownership of dwelling is treated as factor income in the form of rent.

Business service.—More or less same methods as for the other services is adopted.

Public Administration and defence

The net value added of this sector comprise compensation of employees only and as no data on rent is available, it is treated as nil. The estimates are obtained from annual budget documents and relevant administration reports of public authorities.

Other services

The estimates of factor incomes are prepared separately for education, medical and health services, Sanitary service and the rest. For the organised part of the education, medical and health services net value added consists of compensation to employees only.

For the unorganised activities the source for estimating factor income is the 29th N.S.S. (Report and report No. 130, Table with notes on professions and Liberal Arts, 18th Round 1963-64).

The N.S.S. Report provides data on value added, compensation of employees, interest and rent. The same proportion is applied to net value added. The component of mixed income of the self employed is obtained as a residual.

Factor Income—An analysis

The table (1) present distribution of net domestic product by factor incomes. Compensation of employees accounts for about 43% of the total income. The share of mixed income of the self employed is accounted for about 40%. Profit is only 6% where as rent and interest accounts for about 5% and 6% respectively.

TABLE (1)
Factor income by industry of Origin 1980-81 (At current price)

(Rs. in lakhs)

Sl. No.	Industry of Origin	Compensation of employees	Rent	Interest	Profit	Mixed Income of self employed	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Agriculture	47412	..	1676	4598	75795	129481
2	Forestry & Logging	586	..	..	6448	..	7034
3	Fishing	2521	..	313	885	4278	7997
4	Mining and Quarrying	347	15	104	31	34	531
	Sub Total	50866	15	2093	11962	80107	145043
5	Manufacturing	21970	971	7129	11557	17355	58982
5.1	Registered	15834	392	4864	11557	..	32647
5.2	Un-registered	6136	579	2265	..	17355	26335
6	Construction	7569	214	2865	1793	715	13156
7	Electricity, Gas and Water Supply	4087	1	3640	105	..	7833
	Sub Total	33626	1186	13634	13455	18070	79971
8	Transport, storage and communication	15207	1226	2163	(—) 299	411	22408
8.1	Railways	741	266	21	145	..	1173
8.2	Transport by other means and storage	12603	292	2090	(—) 810	4111	18286
8.3	Communication	1863	668	52	366	..	2949
9	Trade Hotels and Restaurants	5540	2244	2497	(—) 3200	36656	43739
	Transport, Communication and Trade	20749	3470	4660	(—) 3499	40767	66147
10	Banking and Insurance	7070	2535	198	1391	..	11194
11	Real Estate Ownership of dwellings	67	4280	1	1	190	15733
12	Public Administration	15265	..	..	..	..	15265
13	Other Services	25871	5097	26	..	5692	36686
	Sub Total	69022	15382	4885	(—) 2107	46649	133831
	Grand Total	153514	16583	20612	23310	144826	358845

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