



GOVERNMENT OF KERALA

213

**INDICATORS OF REGIONAL  
DEVELOPMENT-  
AN APPRAISAL**

BUREAU OF ECONOMICS & STATISTICS,  
TRIVANDRUM, FEBRUARY 1976

B

©

Government of Kerala,  
1976

PRINTED BY THE S.G.P. AT THE GOVERNMENT PRESS  
TRIVANDRUM, 1976

## P R E F A C E

Balanced development of the various regions in the country is one of the objectives of the programme of planned development in India. This aspect is of significance at the State level also. An assessment of the relative development of the various regions is therefore of importance in relation to the planning process. In the State, districts are units of planning to a certain extent.

An attempt is made in this monograph to present a broad picture of the relative level of development of the districts in the State with special reference to some important economic indicators for the latest available year. On account of the reorganisation of the districts in Kerala, it has not been found possible to study the relative changes in the districts in the various sectors of the economy over the decade.

This monograph has been prepared by Sri M. K. Bhaskaran Pillai, Research Officer of this Bureau.

It is hoped that the Statistical picture presented in this monograph will be of value in the context of studying problems of development of backward areas.

Bureau of Economics and  
Statistics, Trivandrum,  
3-2-1976.

N. GOPALAKRISHNAN NAIR,  
*Director.*

## CONTENTS

|   | <i>Pages</i> |
|---|--------------|
| SECTION: 1 Introduction, General features of<br>the State and Population .. | 1—14         |
| ” 2 State Income ..   | 14—16        |
| ” 3 Agriculture ..  | 16—33        |
| ” 4 Industry and Power ..   | 34—42        |
| ” 5 Education ..  | 42—48        |
| ” 6 Health ..   | 48—56        |
| ” 7 Transport & Communications ..   | 56—60        |
| ” 8 Banking ..  | 60—62        |
| ” 9 Conclusion ..   | 62—67        |

### APPENDIX—TABLES

## INDICATORS OF REGIONAL DEVELOPMENT

### Introduction:

One of the declared objectives of our Five Year Plans is the elimination of regional imbalances in the country. An important feature of the Indian Economy is the serious imbalances that have grown among the different regions of the country. For instance the Bombay and Calcutta ports through which exports and imports took place have reached a high level of development. Economic factors have also contributed to the wide disparity in development between regions. Due to the development of infrastructure facilities, industries have a tendency to cluster in areas which are already developed. Similarly the high development of Irrigation facilities etc., play a vital role in the development of agriculture. Thus due to economic and social factors further development takes place in and around the already developed areas. In order to ensure the benefits of investments for economic development evenly to the country as a whole, balanced regional development is necessary.

In the context of drawing up the programme for regional development, a knowledge of the level of development in different regions of the State is necessary. An attempt has been made in this brief report to highlight the inter regional differences in the level of development in the various sectors of the economy of the State. Attempt has also been made to compare the data available for the latest year with that of the previous years. But the formation of Malappuram district in 1969 and Idikki district in January 1972 has acted as a handicap in the job since comparable data for the previous period for these two districts are lacking in many cases. In view of the territorial changes in the composition of the districts of Kozhikode, Palghat, Ernakulam and Kottayam (from which the above two districts have been carved out) comparison over time for these districts is also difficult in respect of certain items.

### General Features of the State:

Kerala State came into existence on the 1st November 1956, consequent on the reorganisation of the States. The State lies between  $8^{\circ} 18'$  and  $12^{\circ} 48'$  north latitude and between  $74^{\circ} 52'$  and  $77^{\circ} 22'$  east longitude. It is elongated in shape and is bounded on the eastern side by the western ghats which form a continuous barrier except the Palghat gap towards the middle and flanked on the western side by the Arabian sea. The breadth of the State varies from 30 Kms. in the extreme north and south to about 130 Kms. in the middle.

The State is divided into 11 districts, for the purpose of administrations, viz., Trivandrum, Quilon, Alleppey, Kottayam, Idikki, Ernakulam, Trichur, Palghat, Malappuram, Kozhikode and Cannanore.

The State can be divided into 3 natural regions viz., low land, mid land and high land. These regions form parallel belts running across the length of the State. In the coastal strip of Kerala the soil is mainly sandy loam which is suited for paddy and coconut cultivation. The soil in the mid land area is loamy and gravelly. It is fertile and suited for cultivation of pepper, ginger and tapioca. In the high land region the soil is mainly laterite combined with humus which is suitable for cultivation of tea, coffee and cardamom. The State has a good number of rivers originating in the ghats.

For various economic, social and historical reasons all the districts of the State have not reached the same level of development.

The analysis attempted below bring out the extent of the differences in the level of development on the basis of available statistics.

### 1. Population

The population of Kerala has been growing rapidly in recent years. During the 40 years period from 1901 to 1941, the population of the State almost doubled from 63.96 lakhs to 110.31 lakhs and it almost doubled again in the next 30 years reaching 213.47 lakhs in 1971. The population of Kerala formed 3.89% of the population of the Indian Union.

#### (a) Population and urban Population

The following table gives the district-wise population of Kerala and the urban population to the total population of the state during 1961 and 1971.

TABLE 1.1

District-wise Population and Percentage of Urban Population to total Population (1961 and 1971)

| Sl. No. | District   | 1961                  |   | 1971                  |   | Decennial growth rate 1961-71 |
|---------|------------|-----------------------|---|-----------------------|---|-------------------------------|
|         |            | Population (in lakhs) | Percentage of urban population to total | Population (in lakhs) | Percentage of urban population to total |                               |
| (1)     | (2)        | (3)                   | (4)                                     | (5)                   | (6)                                     | (7)                           |
| 1.      | Trivandrum | 17.45                 | 25.71                                   | 21.98                 | 26.00                                   |                               |
| 2.      | Quilon     | 19.41                 | 7.43                                    | 24.13                 | 7.87                                    | 26.03                         |
| 3.      | Alleppey   | 18.11                 | 17.14                                   | 21.26                 | 16.92                                   | 24.29                         |
| 4.      | Kottayam   | 13.21                 | 12.53                                   | 15.39                 | 13.56                                   | 17.36                         |
| 5.      | Idikki     | 5.90                  |   | 7.66                  | 3.30                                    | 16.55                         |
| 6.      | Ernakulam  | 16.82                 | 23.50                                   | 21.64                 | 29.39                                   | 29.69                         |
| 7.      | Trichur    | 16.88                 | 11.00                                   | 21.29                 | 11.74                                   | 28.64                         |
| 8.      | Palghat    | 13.70                 | 10.87                                   | 16.85                 | 12.70                                   | 26.09                         |
| 9.      | Malappuram | 13.87                 | 5.48                                    | 18.56                 | 6.73                                    | 23.06                         |
| 10.     | Kozhikode  | 15.89                 | 23.89                                   | 21.06                 | 26.66                                   | 33.80                         |
| 11.     | Cannanore  | 17.80                 | 16.86                                   | 23.65                 | 13.74                                   | 32.60                         |
|         | Kerala     | 169.04                | 15.11                                   | 213.47                | 16.24                                   | 32.83                         |
|         |            |                       |   |                       |   | 26.29                         |

The decennial growth rate of population during 1961 to 1971 was 26.29% for the State as against 24.80% for India. The variation in the growth of population in the State ranged from 16.55% to 33.80% during the decade. The maximum growth rate was observed in Malappuram district and the minimum in Kottayam district. The decade variation was above the State value in the districts of Cannanore, Kozhikode, Malappuram, Ernakulam and Idikki districts.

Only 16.24% of the total population of the State are living in urban area. During 1971 census all places which had a minimum of 5000 population of which about 75% of male working population was non-agriculture and having a density of population above 400 per sq. km. were classified as urban areas. If this classification was accepted in Kerala where the villages are large and contiguous and with a density of population of 549 per sq. km. as many as 400 places would have fallen under this category. Since most of the villages do not possess the necessary urban facilities, only selected places were included in the category of towns.

According to 1961 census, Trivandrum district had the highest percentage of urban population whereas in 1971 census Ernakulam district had the highest percentage (29.39%) of urban population. As per 1961 census Trivandrum, Alleppey, Ernakulam, Kozhikode and Cannanore have higher percentage of urban population than the State value. But in 1971 census Trivandrum, Alleppey, Ernakulam and Kozhikode districts alone have higher percentage of urban population than the State average. Idikki district had the lowest percentage of urban population (3.3%) according to 1971 census.

The fall in the percentage of urban population in Cannanore district was due to the declassification of towns in 1971 and the increase in percentage in Ernakulam district was due to the formation of more towns in addition to migration.

It is seen that the decennial growth rate during 1951 to 1961 was lower (24.8) than the decadal variation during 1961 to 1971 viz., (26.29). Most of the backward districts have higher growth rate of population.

#### (b) *Density of Population.*

Though the area of the State is only 1.18% of the Indian Union its population form 3.89% of the Indian population according to 1971 census. The high growth rate of population in the State has its impact on the density of population. The pressure of population is highest in Kerala when compared to other States of the Indian Union. The density of population of the State is 549 (according to 1971 census) per sq. km. as against 167 for India as a whole. West Bengal is the only other State in India having a density of above 500 persons per sq. km.

The density of population in the State according to 1961 and 1971 censuses is given in the following table.

TABLE 1.2

## Density of Population in Kerala (1961 and 1971)

| Sl. No. | District   | Density |       |       |       |       |       |
|---------|------------|---------|-------|-------|-------|-------|-------|
|         |            | 1961    |       |       | 1971  |       |       |
|         |            | Total   | Rural | Urban | Total | Rural | Urban |
| (1)     | (2)        | (3)     | (4)   | (5)   | (6)   | (7)   | (8)   |
| 1.      | Trivandrum | 798     | 638   | 2885  | 1003  | 799   | 3676  |
| 2.      | Quilon     | 410     | 383   | 3661  | 522   | 485   | 4820  |
| 3.      | Alleppey   | 988     | 886   | 2211  | 1128  | 1013  | 2562  |
| 4.      | Kottayam   | 584     | 560   | 844   | 701   | 665   | 1065  |
| 5.      | Idikki     | 114     | 114   | ..    | 151   | 146   | 902   |
| 6.      | Ernakulam  | 746     | 599   | 3708  | 910   | 673   | 5944  |
| 7.      | Trichur    | 564     | 516   | 2210  | 702   | 641   | 2464  |
| 8.      | Palghat    | 327     | 298   | 1667  | 383   | 343   | 1841  |
| 9.      | Malappuram | 360     | 344   | 1899  | 510   | 486   | 1603  |
| 10.     | Kozhikode  | 430     | 346   | 1905  | 565   | 438   | 2819  |
| 11.     | Cannanore  | 314     | 269   | 1657  | 415   | 369   | 1794  |
|         | Kerala     | 435     | 381   | 2074  | 549   | 477   | 2584  |

The above table shows that Alleppey district has the highest density and Idikki district has the lowest density both during 1961 and 1971. During 1961 census Trivandrum, Alleppey, Kottayam, Ernakulam and Trichur districts have density above the State value. But in 1971 in addition to the above districts Kozhikode district also has density above the State value. One characteristic of the denser districts is that they have more lowland areas. The density of population according to 1971 census in lowland area of the State is 1385 persons per sq. km. whereas in the midland area the density is 778 and in the highland region the density of population is only 172 per sq. km.

Alleppey district has no highland region while Palghat and Idikki districts contains no lowland regions. Out of the 3979 sq. kms. of low land area in the State 31% is in Alleppey district and 66% of the area of Alleppey district is covered by lowland region. Considering the lowland area alone, the density of population is highest in Quilon district with 1995 persons per sq. km. (1971 census) followed by Trivandrum with 1942 persons per sq. km. This may be due to the greater employment opportunities available in these districts. Quilon district has the maximum number of cashew industries and Trivandrum is the capital city of the State. The density of population in the midland region is highest in Trivandrum with 1277 persons per sq. km. and lowest in Malappuram district with 561 persons per sq. km. In the high land region the density is highest in Palghat with 257 persons per sq. km. and lowest in Trichur with 84 persons per sq. km.

(c) *Sex composition*

A peculiar feature of Kerala's sex composition is that in all the census periods from 1901 to 1971, female out numbered males, while opposite is the case with most of the other Indian States. The sex composition has an impact on the characteristics of population with regard to birth, death, marriages etc. In 1971 census the sex ratio of the State decreased from 1022 to 1016 per 1000 males. The corresponding figures for All India was 941 and 930 in 1961 and 1971 respectively. During 1961 census female out numbered males in all the districts except Quilon, Kottayam, Idikki, Ernakulam and Kozhikode. The sex ratio was highest in Trichur district and lowest in Idikki district. During 1971 census also the same trend continued except in the case of Quilon district where the sex ratio was 1001 as against 996 during 1961.

(d) *Scheduled Castes and Scheduled Tribes:*

According to 1961 census 8.49% of the total population of Kerala belonged to scheduled castes. In 1971 there was an increase of 3.37 lakh population of scheduled caste, the percentage of scheduled castes to the total population being 8.3%. During 1961 and 1971 the percentage of scheduled tribe population to total population was 1.26%.

The percentage of scheduled castes and scheduled tribes population to the total population is furnished in the following table.



TABLE 1.3

## District-wise Population of Scheduled Castes and Scheduled Tribes

| Sl. No. | District   | Population       |                                |            |                                |            |                                |            |                                |            |                                |
|---------|------------|------------------|--------------------------------|------------|--------------------------------|------------|--------------------------------|------------|--------------------------------|------------|--------------------------------|
|         |            | Scheduled Castes |                                |            |                                |            | Scheduled Tribes               |            |                                |            |                                |
|         |            | 1961             |                                | 1971       |                                | 1961       |                                | 1971       |                                | 1971       |                                |
| (1)     | (2)        | (3)              | (4)                            | (5)        | (6)                            | (7)        | (8)                            | (9)        | (10)                           |            |                                |
|         |            | Population       | Percentage to total population | Population | Percentage to total population | Population | Percentage to total population | Population | Percentage to total population | Population | Percentage to total population |
| 1.      | Trivandrum | 161982           | 9.29                           | 213741     | 9.72                           | 9784       | 0.56                           | 11059      | 0.50                           |            |                                |
| 2.      | Quilon     | 227265           | 11.67                          | 280632     | 11.63                          | 3799       | 0.19                           | 3737       | 0.15                           |            |                                |
| 3.      | Alleppey   | 166521           | 9.22                           | 200770     | 9.44                           | 584        | 0.03                           | 435        | 0.02                           |            |                                |
| 4.      | Kottayam   | 73195            | 5.54                           | 94528      | 6.14                           | 10769      | 0.82                           | 11059      | 0.72                           |            |                                |
| 5.      | Idikki     | 91843            | 15.56                          | 97819      | 12.78                          | 19886      | 3.37                           | 23181      | 3.03                           |            |                                |
| 6.      | Ernakulam  | 143463           | 8.53                           | 182775     | 8.45                           | 766        | 0.05                           | 580        | 0.03                           |            |                                |
| 7.      | Trichur    | 174893           | 10.36                          | 216237     | 10.16                          | 6271       | 0.37                           | 9383       | 0.44                           |            |                                |
| 8.      | Palghat    | 176199           | 12.87                          | 210765     | 12.51                          | 19423      | 1.42                           | 25594      | 1.52                           |            |                                |
| 9.      | Malappuram | 111409           | 8.03                           | 140826     | 7.59                           | 6716       | 0.48                           | 8882       | 0.48                           |            |                                |
| 10.     | Kozhikode  | 64527            | 4.06                           | 76338      | 3.62                           | 63859      | 4.02                           | 84982      | 4.03                           |            |                                |
| 11.     | Cannanore  | 43520            | 2.44                           | 57737      | 2.44                           | 70905      | 3.98                           | 90464      | 3.82                           |            |                                |
|         | STATE      | 1434817          | 8.49                           | 1772168    | 8.30                           | 212762     | 1.26                           | 269356     | 1.26                           |            |                                |

It is seen that Idikki district has the highest percentage of scheduled caste population to the total population in the district during 1961 and 1971. The Scheduled Caste population in Idikki district formed 6.40% of the total scheduled caste population in 1961 and 5.58% in 1971. In absolute terms scheduled caste population was maximum in Quilon district in 1961 and 1971. But the percentage of scheduled caste population to the total population in Quilon district was only 11.67% in 1961 and 11.63% in 1971. During 1961 the State ratio of scheduled caste population to total population was 8.49 and that the ratio in 1971 was 8.30. Trivandrum, Quilon, Alleppey, Idikki, Ernakulam, Trichur and Palghat districts have higher percentage of scheduled caste population to total population than the State value both during 1961 and 1971.

The percentage of scheduled tribe population to total population stood at 1.26% during the decade 1961 to 1971. Kozhikode district has the largest percentage of scheduled tribe population and Alleppey district has the least percentage both during 1961 and 1971. The percentage of scheduled tribe population to total population is higher than the State value in Idikki, Palghat, Kozhikode and Cannanore districts.

(e) *Age composition*

Age composition has an important bearing on the economic development of a country. Most of the under developed countries have disadvantageous age composition in population. Such countries have very high percentage of dependent persons particularly in the lower age groups. According to 1961 census 42.63% of the population of the State is below the age group 15-59 and 5.84% is over the age 60. It is thus seen that about 48.5% of the total population in Kerala are dependents in 1961. The age distribution of population according to 1961 and 1971 census is given in the table 1.4.

TABLE 1.4  
Distribution of Population according to Age

| Sl. No. | Age group      | Kerala |        | India  |
|---------|----------------|--------|--------|--------|
|         |                | 1961   | 1971   | 1971   |
| 1.      | 0-14           | 42.63  | 40.26  | 42.02  |
| 2.      | 15-19          | 8.48   | 10.95  | 8.66   |
| 3.      | 20-24          | 8.48   | 9.32   | 7.86   |
| 4.      | 25-29          | 7.64   | 6.50   | 7.44   |
| 5.      | 30-39          | 12.33  | 11.66  | 12.60  |
| 6.      | 40-49          | 8.66   | 9.16   | 9.34   |
| 7.      | 50-59          | 5.93   | 5.92   | 6.09   |
| 8.      | 60 and above   | 5.84   | 6.23   | 5.97   |
|         | Age not stated | 0.01   | ..     | 0.02   |
|         | Total          | 100.00 | 100.00 | 100.00 |

It is seen that there is reduction in the population of younger age group in 1971 in Kerala. This revealed that Family Planning Programmes implemented in the State have helped to reduce birth rates during the decade 1961 to 1971.

(f) *Workers and Non-Workers*

While about 70% of the workers of the Indian Union are cultivators and agricultural labourers, in Kerala only less than 50% of the workers come under this category. Thus there is differences in the distribution of working population according to industry between Kerala and India. The industry-wise distribution of workers in Kerala and India is as given below:

TABLE 1.5  
Classification of Workers according to Industry 1971

|         |  | (Population in lakhs) |            |                |            |
|---------|--|-----------------------|------------|----------------|------------|
| Sl. No. | Industry   | Kerala                |            | India          |            |
|         |  | No. of workers        | Percentage | No. of workers | Percentage |
| (1)     | (2)  | (3)                   | (4)        | (5)            | (6)        |
| 1.      | Cultivators  | 11.1                  | 17.8       | 781.8          | 43.3       |
| 2.      | Agricultural labourers   | 19.1                  | 30.7       | 474.8          | 26.3       |
| 3.      | Livestock, Forestry, Fishing, Hunting and Plantation, Orchards and allied activities | 4.3                   | 7.0        | 43.0           | 2.5        |
| 4.      | Mining and quarrying   | 0.3                   | 0.5        | 9.2            | 0.5        |
| 5.      | Manufacturing, processing, servicing and repairs :                                   |                       |            |                |            |
|         | (a) Household industry   | 2.7                   | 4.3        | 63.5           | 3.5        |
|         | (b) Other than household industry  | 7.1                   | 11.4       | 107.2          | 5.9        |
| 6.      | Construction   | 1.1                   | 1.7        | 22.2           | 1.2        |
| 7.      | Trade and commerce   | 5.7                   | 9.1        | 100.4          | 5.6        |
| 8.      | Transport, storage and communications  | 2.4                   | 3.9        | 44.0           | 2.4        |
| 9.      | Other services   | 8.4                   | 13.6       | 157.6          | 8.8        |
|         | Total  | 62.2                  | 100.00     | 1803.7         | 100.00     |

It is seen that Industrial sector provides jobs for 15% of the workers in Kerala as against 9% for the country as a whole. This shows that as regards industrial employment Kerala is ahead when compared to other parts of India. But the share of the industrial sector to the State income is very low since a good majority of the industries in Kerala are traditional industries characterised by very low productivity and low wages.

The distribution of workers in different districts of the State is furnished in the following table.

TABLE 1.6

## District-wise distribution of workers 1961 and 1971

| District   | Workers                                   |         |         |        |   |         |         |        |     |  |
|------------|---|---------|---------|--------|---|---------|---------|--------|-----|--|
|            | 1961                                      |         |         |        |   | 1971    |         |        |     |  |
|            | (1)                                       | (2)     | (3)     | (4)    | (5)                                       | (6)     | (7)     | (8)    | (9) |  |
|            | Percentage of workers to total population | Total   | Rural   | Urban  | Percentage of workers to total population | Total   | Rural   | Urban  |     |  |
| Trivandrum | 31.06                                     | 540891  | 410001  | 130890 | 28.58                                     | 628293  | 470801  | 157492 |     |  |
| Quilon     | 32.51                                     | 631350  | 586654  | 44696  | 28.61                                     | 690283  | 637496  | 52787  |     |  |
| Alleppey   | 33.72                                     | 610424  | 518814  | 91610  | 28.15                                     | 598468  | 504619  | 93849  |     |  |
| Kottayam   | 29.32                                     | 387179  | 340208  | 46971  | 27.33                                     | 420659  | 363861  | 56798  |     |  |
| Idukki     | 39.09                                     | 230782  | 230782  | ..     | 34.62                                     | 265090  | 257562  | 7528   |     |  |
| Ernakulam  | 33.56                                     | 564437  | 449529  | 114908 | 28.71                                     | 621117  | 446075  | 175042 |     |  |
| Trichur    | 33.11                                     | 559054  | 504539  | 54515  | 28.35                                     | 605551  | 538506  | 65045  |     |  |
| Palghat    | 40.47                                     | 550375  | 502596  | 47779  | 35.89                                     | 604825  | 541055  | 63770  |     |  |
| Malappuram | 31.56                                     | 447248  | 424033  | 23195  | 27.08                                     | 502644  | 470780  | 31864  |     |  |
| Kozhikode  | 30.49                                     | 478874  | 372103  | 106771 | 26.92                                     | 566936  | 428280  | 138656 |     |  |
| Cannanore  | 35.37                                     | 629719  | 535922  | 93797  | 30.21                                     | 714593  | 621969  | 92624  |     |  |
| STATE      | 33.31                                     | 5630333 | 4875201 | 755132 | 29.12                                     | 6216459 | 5281004 | 935455 |     |  |

According to 1961 census the worker participation rate in Kerala was 33.31. The worker participation rates were higher than the State value in Cannanore, Ernakulam, Alleppey, Palghat and Idukki districts. In all other districts the percentage of workers to total population was lower than the State value. The worker participation rate was maximum in Palghat district and minimum in Kottayam district.

During 1971 the percentage of workers to total population was only 29.12. Only 3 districts viz., Cannanore, Palghat and Idukki have higher worker participation rate than the State value. In these three districts agriculture is the main occupation. The worker participation rate was maximum (35.89%) in Palghat district and minimum (26.69%) in Malappuram district.

Out of the total number of 56.30 lakhs workers in 1961, as many as 48.75 lakhs (86.6%) were in the rural area and rest in urban area. The percentage of urban workers to the total workers was higher than the State value in Trivandrum, Alleppey, Ernakulam and Kozhikode districts.

In 1971 the percentage of workers in the urban area to the total workers in the State was 15.04. Trivandrum, Alleppey, Ernakulam and Kozhikode districts have higher percentage of urban workers than the State value.

The following table gives the percentage distribution of agricultural and industrial workers to the total workers in the different districts of the State.

TABLE 1.7

## Percentage distribution of working population in the Agricultural and Industrial sectors in Kerala

1961 and 1971

| District      | 1961                 |             |                        |       |               |                    |             |                        |       |               |                      | 1971        |                        |       |               |                    |             |                        |       |               |       |       |
|---------------|----------------------|-------------|------------------------|-------|---------------|--------------------|-------------|------------------------|-------|---------------|----------------------|-------------|------------------------|-------|---------------|--------------------|-------------|------------------------|-------|---------------|-------|-------|
|               | Agricultural workers |             |                        |       |               | Industrial workers |             |                        |       |               | Agricultural workers |             |                        |       |               | Industrial workers |             |                        |       |               |       |       |
|               | Total Workers        | Cultivators | Agricultural labourers | Total | Other workers | Total workers      | Cultivators | Agricultural labourers | Total | Other workers | Total workers        | Cultivators | Agricultural labourers | Total | Other workers | Total workers      | Cultivators | Agricultural labourers | Total | Other workers |       |       |
| 1. Trivandrum | 100.00               | 21.51       | 14.65                  | 36.16 | 19.06         | 100.00             | 44.78       | 14.05                  | 29.85 | 43.90         | 17.20                | 38.90       | 100.00                 | 31.67 | 19.70         | 45.47              | 25.81       | 28.72                  | 20.81 | 47.70         | 21.82 | 30.48 |
| 2. Quilon     | 100.00               | 17.99       | 19.19                  | 37.18 | 26.29         | 100.00             | 36.53       | 16.01                  | 30.66 | 46.67         | 17.31                | 36.02       | 100.00                 | 25.99 | 16.96         | 42.95              | 12.91       | 44.14                  | 28.09 | 52.75         | 10.96 | 36.29 |
| 3. Alleppey   | 100.00               | 12.77       | 11.25                  | 24.02 | 5.82          | 100.00             | 70.16       | 25.56                  | 22.46 | 48.02         | 4.62                 | 47.36       | 100.00                 | 15.90 | 14.23         | 33.73              | 20.14       | 46.13                  | 21.94 | 34.78         | 20.98 | 45.24 |
| 4. Kottayam   | 100.00               | 16.58       | 15.11                  | 31.69 | 18.45         | 100.00             | 59.86       | 13.65                  | 32.84 | 46.48         | 16.67                | 37.85       | 100.00                 | 20.06 | 16.58         | 31.69              | 18.45       | 32.84                  | 32.84 | 46.48         | 16.67 | 37.85 |
| 5. Idukki     | 100.00               | 20.06       | 34.50                  | 54.56 | 12.83         | 100.00             | 32.61       | 15.74                  | 48.42 | 64.16         | 11.30                | 24.54       | 100.00                 | 21.21 | 19.06         | 40.27              | 11.83       | 47.90                  | 39.12 | 57.96         | 9.95  | 32.09 |
| 6. Ernakulam  | 100.00               | 12.78       | 11.24                  | 24.02 | 17.03         | 100.00             | 58.95       | 14.57                  | 26.34 | 40.91         | 13.76                | 46.33       | 100.00                 | 24.29 | 17.48         | 41.77              | 16.87       | 41.36                  | 33.92 | 52.23         | 16.40 | 31.37 |
| 7. Trichur    | 100.00               | 20.06       | 34.50                  | 54.56 | 12.83         | 100.00             | 32.61       | 15.74                  | 48.42 | 64.16         | 11.30                | 24.54       | 100.00                 | 21.21 | 19.06         | 40.27              | 11.83       | 47.90                  | 39.12 | 57.96         | 9.95  | 32.09 |
| 8. Palghat    | 100.00               | 20.06       | 34.50                  | 54.56 | 12.83         | 100.00             | 32.61       | 15.74                  | 48.42 | 64.16         | 11.30                | 24.54       | 100.00                 | 21.21 | 19.06         | 40.27              | 11.83       | 47.90                  | 39.12 | 57.96         | 9.95  | 32.09 |
| 9. Malappuram | 100.00               | 24.29       | 17.48                  | 41.77 | 16.87         | 100.00             | 41.36       | 18.31                  | 33.92 | 52.23         | 16.40                | 31.37       | 100.00                 | 24.29 | 17.48         | 41.77              | 16.87       | 41.36                  | 33.92 | 52.23         | 16.40 | 31.37 |
| 10. Kozhikode | 100.00               | 20.92       | 17.38                  | 38.30 | 18.08         | 100.00             | 43.62       | 17.80                  | 30.69 | 48.49         | 15.73                | 36.88       | 100.00                 | 20.92 | 17.38         | 38.30              | 18.08       | 43.62                  | 30.69 | 48.49         | 15.73 | 36.88 |
| 11. Cannanore | 100.00               | 17.38       | 14.65                  | 32.03 | 16.87         | 100.00             | 41.36       | 18.31                  | 33.92 | 52.23         | 16.40                | 31.37       | 100.00                 | 24.29 | 17.48         | 41.77              | 16.87       | 41.36                  | 33.92 | 52.23         | 16.40 | 31.37 |
| Total         | 100.00               | 20.92       | 17.38                  | 38.30 | 18.08         | 100.00             | 43.62       | 17.80                  | 30.69 | 48.49         | 15.73                | 36.88       | 100.00                 | 20.92 | 17.38         | 38.30              | 18.08       | 43.62                  | 30.69 | 48.49         | 15.73 | 36.88 |

The above table shows that 48.49% of the total workers in Kerala were cultivators and agricultural labourers in 1971 as against 38.30% in 1961. In this connection it has to be noted that in 1961 census there was some misclassification in the enumeration of workers particularly in agricultural labourers, a part of whom were misclassified under other categories.

As per 1971 census, the percentage of agricultural workers to total workers was maximum in Palghat District (64.16%) followed by Malappuram District (57.96%) and minimum in Ernakulam District (34.78%). The districts of Kottayam, Palghat, Malappuram and Cannanore have higher percentage of agricultural workers to total workers than the State value.

As regards industrial workers, it is seen that 15.73% of the total workers of Kerala were engaged in manufacturing and household industries during 1971 as against 18.08% in 1961. This may be due to the reduction in the percentage of employment in traditional industries like coir, cashew etc. The percentage of Industrial workers to total workers in the district was maximum in Quilon District (21.82%) followed by Ernakulam District (20.98%), and minimum in Idukki District (4.62%) during 1971. Trivandrum, Quilon, Alleppey and Trichur Districts have higher percentage of industrial workers to total workers than the State value in 1961. During 1971 census also the same trend continued in addition to the Cannanore District. In this connection it is to be noted that a good number of industries in Kerala are traditional industries like coir, cashew etc., where the productivity per worker is very low.

According to 1971 census the maximum percentage of cultivators to total population in the district was in Idukki District with 8.88 followed by Quilon District with 7.71 while the State value was only 5.19. The percentage of cultivators was least in Ernakulam district.

During 1971, Palghat District had the highest percentage of agricultural labourers to the population in the district with 17.39 followed by Malappuram District with 10.61. The percentage of agricultural labourers was least in Quilon District with 5.97 while the State value was 8.94.

In the case of household industries the maximum percentage of workers to the population in the District was in Alleppey District with 1.99 followed by Trichur District with 1.65. The percentage was minimum in Idukki District with 0.26 while the State value was 1.25 in 1971.

As regards manufacturing industries other than household industries the maximum percentage of workers to total population in the district was in Quilon District with 5.14 followed by Ernakulam with 4.81 while the State figure was 3.33 during 1971.

The number of cultivators and agricultural labourers in terms of total cropped area is given in the following table.

TABLE 1.8

**Number of cultivators and agricultural labourers per hectare of total cropped area**

| District   | Cultivators |      | Agricultural labourers |      | Total agricultural workers |      |
|------------|-------------|------|------------------------|------|----------------------------|------|
|            | 1961        | 1971 | 1961                   | 1971 | 1961                       | 1971 |
| Trivandrum | 0.59        | 0.36 | 0.40                   | 0.77 | 0.99                       | 1.13 |
| Quilon     | 0.78        | 0.35 | 0.34                   | 0.42 | 1.12                       | 0.77 |
| Alleppey   | 0.49        | 0.41 | 0.53                   | 0.79 | 1.02                       | 1.20 |
| Kottayam   | 0.36        | 0.40 | 0.27                   | 0.43 | 0.63                       | 0.83 |
| Ernakulam  | 0.57        | 0.36 | 0.39                   | 0.42 | 0.96                       | 0.78 |
| Trichur    | 0.46        | 0.34 | 0.42                   | 0.81 | 0.88                       | 1.15 |
| Palghat    | 0.44        | 0.29 | 0.68                   | 0.88 | 1.12                       | 1.17 |
| Malappuram | ..          | 0.38 | ..                     | 0.78 | ..                         | 1.16 |
| Kozhikode  | 0.36        | 0.30 | 0.32                   | 0.55 | 0.68                       | 0.85 |
| Cannanore  | 0.57        | 0.36 | 0.41                   | 0.66 | 0.98                       | 1.02 |
| STATE      | 0.50        | 0.38 | 0.42                   | 0.65 | 0.92                       | 1.03 |

The number of cultivators per hectare of cropped area was maximum in Alleppey district with 0.41 and minimum in Palghat district with 0.29 during 1971. Alleppey, Kottayam and Malappuram districts have more number of cultivators per hectare of cropped area than the State value.

The proportion of agricultural labourers to total cropped area was highest in Palghat district with 0.88 per hectare followed by Trichur with 0.81 and Alleppey with 0.79 and minimum in Quilon and Ernakulam districts with 0.42 each during 1971.

As regards the total number of Agricultural workers, the number of workers per hectare of cropped area was maximum in Alleppey district with 1.20 followed by Palghat district with 1.17 and minimum in Quilon district with 0.77. The districts of Trivandrum, Alleppey, Trichur, Palghat and Malappuram have higher number of agricultural labourers in relation to cropped area than the State value.

(g) *Area and Percentage of Urban Area.*

The distribution of area in the different districts of the State and the percentage of urban area are given in the following Table.



TABLE 1.9

## District-wise area and percentage of urban area (Area in sq. kms.)

| Sl. No. | District      | 1971           |                          |                        |
|---------|---------------|----------------|--------------------------|------------------------|
|         |               | Area           | Percentage of urban area | Average household size |
| (1)     | (2)           | (3)            | (4)                      | (5)                    |
| 1       | Trivandrum    | 2192.0         | 7.09                     | 5.66                   |
| 2       | Quilon        | 4623.0         | 0.85                     | 5.84                   |
| 3       | Alleppey      | 1884.0         | 7.45                     | 5.86                   |
| 4       | Kottayam      | 2196.0         | 8.93                     | 5.36                   |
| 5       | Idukki        | 5087.0         | 0.55                     | 6.21                   |
| 6       | Ernakulam     | 2377.0         | 4.50                     | 6.20                   |
| 7       | Trichur       | 3032.0         | 3.34                     | 6.22                   |
| 8       | Palghat       | 4400.0         | 2.64                     | 5.56                   |
| 9       | Malappuram    | 3638.0         | 2.14                     | 6.37                   |
| 10      | Kozhikode     | 3729.0         | 5.34                     | 6.32                   |
| 11      | Cannanore     | 5706.0         | 3.17                     | 6.40                   |
|         | <b>KERALA</b> | <b>38864.0</b> | <b>3.45</b>              | <b>6.03</b>            |

Cannanore district has the largest area in the State and Alleppey district is the smallest. The percentage of urban area to the total area is highest (8.93) in Kottayam district and lowest (0.55) in Idukki district. Trivandrum, Alleppey, Kottayam, Ernakulam and Kozhikode districts have higher percentage of urban area than the State value. The average household size was higher than the State value in Cannanore, Kozhikode, Malappuram, Trichur, Ernakulam and Kottayam districts. Eventhough the density of population was highest in Alleppey district during 1971 its average household size was less than the State value. The average household size was maximum in Cannanore district (6.40) followed by Malappuram district (6.37) and least in Idukki district (5.36).

## 2. STATE INCOME

Per Capita income is considered as one of the indicators of the level of development of a region. Kerala continues to be one of the less developed States of the Indian Union despite its high natural and human resources. The per capita income (at current prices) of Kerala and the Indian Union for the period 1960-61 to 1972-73 is given in the following Table.

TABLE 2.1

**Per capita income of Kerala and India (in Rs.) provisional**

| Year    | Per capita income (at current prices) |       |
|---------|---------------------------------------|-------|
|         | Kerala                                | India |
| 1960-61 | 270.6                                 | 306.3 |
| 1961-62 | 287.0                                 | 316.4 |
| 1962-63 | 294.5                                 | 327.6 |
| 1963-64 | 308.1                                 | 368.4 |
| 1964-65 | 355.2                                 | 423.2 |
| 1965-66 | 404.2                                 | 426.1 |
| 1966-67 | 423.4                                 | 482.9 |
| 1967-68 | 496.8                                 | 560.8 |
| 1968-69 | 515.5                                 | 554.7 |
| 1969-70 | 554.8                                 | 589.3 |
| 1970-71 | 600.4                                 | 627.5 |
| 1971-72 | 589.1                                 | 645.4 |
| 1972-73 | 655.7                                 | 687.6 |

The per capita income of the State thus continues to be less than the national value. During 1960-61 Maharashtra State had the highest per capita income followed by West Bengal and Punjab. During 1971-72 Punjab has the maximum per capita income (Rs. 1054) followed by Hariyana, (Rs. 915) Gujarat (Rs. 833), Maharashtra (Rs. 831), West Bengal (Rs. 810) and Tamilnadu (Rs. 688).

Information relating to per capita income at the District level is not available at present. However provisional estimates of State income, computed at the district level for the year 1968-69 is furnished in the following table.

TABLE 2.2

**Per capita income (at current prices) 1968-69**

| Sl. No. | District   | Per capita income (Rs.) |
|---------|------------|-------------------------|
| 1       | Trivandrum | 471                     |
| 2       | Quilon     | 633                     |
| 3       | Alleppey   | 470                     |
| 4       | Kottayam   | 536                     |
| 5       | Ernakulam  | 567                     |
| 6       | Trichur    | 494                     |
| 7       | Palghat    | 540                     |
| 8       | Kozhikode  | 502                     |
| 9       | Cannanore  | 519                     |
|         | STATE      | 526                     |

Source:—Fifth Five Year Plan, A draft outline page 41.

It is seen from the above table that Quilon, Kottayam Ernakulam, and Palghat districts have higher per capita income than the State value.

### 3. AGRICULTURE

There are 3 distinct major roles that agriculture can play in the development process of a country. Firstly, in order to meet the increase in population, agriculture ought to supply food. In the second place agriculture expansion is required as working capital for the non-agricultural development to generate raw materials for the secondary sector and to earn foreign exchange. Thirdly an increase in agricultural income can provide expanded markets for chemical fertilizers, agricultural equipments, etc., and also form an important source of increased tax revenues.

A considerable percentage of the population of Kerala depends on agriculture for their livelihood. A major portion of the State income is from the agricultural sector. Thus agriculture becomes one of the most important sectors of Kerala economy.

Agriculture depends on soil condition and climate, Kerala receives the benefits of both the north east and south west monsoons. There is a progressive increase in the distribution of rainfall from the south to the north. There are 41 rivers in the State arising on the western ghats and flowing west. However three small rivers in the Malabar region arising on the western ghats are flowing east. Due to heavy rains floods occurred periodically causing substantial damages to the crops grown in different parts of the State.

The distribution of land according to use in the different districts of the State for the years 1962-63 to 1973-74 (selected years) is given in the table appended.

#### *Area under cultivation :*

The area under cultivation (net area sown) is given in the following Table.

TABLE 3.1

## Distribution of net area sown by districts

1972-73 and 1973-74

(Area in 1000 hectares.)

| Sl. No. | District   | Net area sown       |                     |
|---------|------------|---------------------|---------------------|
|         |            | 1972-73             | 1973-74             |
| 1       | Trivandrum | 153.25<br>(6.98)    | 152.28<br>(6.91)    |
| 2       | Quilon     | 230.72<br>(10.50)   | 229.59<br>(10.43)   |
| 3       | Alleppey   | 164.45<br>(7.49)    | 162.89<br>(7.40)    |
| 4       | Kottayam   | 183.55<br>(8.35)    | 182.60<br>(8.29)    |
| 5       | Idukki     | 165.65<br>(7.54)    | 166.21<br>(7.55)    |
| 6       | Ernakulam  | 186.16<br>(8.47)    | 184.54<br>(8.38)    |
| 7       | Trichur    | 139.56<br>(6.35)    | 138.56<br>(6.29)    |
| 8       | Palghat    | 289.09<br>(13.16)   | 292.35<br>(13.27)   |
| 9       | Malappuram | 212.24<br>(9.66)    | 210.92<br>(9.58)    |
| 10      | Kozhikode  | 163.58<br>(7.45)    | 165.65<br>(7.52)    |
| 11      | Cannanore  | 308.74<br>(14.05)   | 316.69<br>(14.38)   |
|         | State      | 2196.99<br>(100.00) | 2202.28<br>(100.00) |

(The figures in brackets are percentage to total).

The area under net area sown during 1973-74 was 22.02 lakhs hectares as against 21.97 lakh hectares in 1972-73.

*Area under Forest:*

The total area under forest in the State was 10,53,229 hectares in 1973-74 as against 10,54,864 hectares in 1972-73 and 10,56,140 hectares in 1962-63. The distribution of area under forest in the different districts of the State is as given below:

TABLE 3.2

**Percentage distribution of area under forest**

| Sl. No. | District   | Percentage of area under forest |         |
|---------|------------|---------------------------------|---------|
|         |            | 1972-73                         | 1973-74 |
| 1       | Trivandrum | 4.16                            | 4.16    |
| 2       | Quilon     | 19.97                           | 20.00   |
| 3       | Alleppey   | 0.05                            | 0.05    |
| 4       | Kottayam   | 0.60                            | 0.61    |
| 5       | Idukki     | 28.37                           | 28.41   |
| 6       | Ernakulam  | 0.24                            | 0.12    |
| 7       | Trichur    | 12.55                           | 12.53   |
| 8       | Palghat    | 6.37                            | 6.38    |
| 9       | Malappuram | 9.26                            | 9.27    |
| 10      | Kozhikode  | 12.19                           | 12.21   |
| 11      | Cannanore  | 6.24                            | 6.26    |
|         | State      | 100.00                          | 100.00  |

The percentage of forest area is highest in Idukki district (28.41%) followed by Quilon district (20%) during 1973-74. Alleppey district has the least percentage (0.05%) of area under forest during the year. The same trend is observed during 1972-73 also. Quilon, Idukki, Trichur, Malappuram and Kozhikode districts have higher percentage of forest area to the total area in the District than the State ratio.

*Area under cultivable waste:*

The total area under cultivable waste in the State was 74,169 hectares in 1973-74 as against 74,010 hectares in 1972-73 and 1,26,775 hectares in 1962-63. The percentage area of land under cultivable waste is given in the subjoined Table.

TABLE 3.3

## Percentage of area under cultivable waste land

| Sl. No. | District   | Percentage of area |         |
|---------|------------|--------------------|---------|
|         |            | 1972-73            | 1973-74 |
| 1       | Trivandrum | 0.59               | 0.53    |
| 2       | Quilon     | 2.91               | 2.72    |
| 3       | Alleppey   | 1.05               | 1.11    |
| 4       | Kottayam   | 2.24               | 1.96    |
| 5       | Idukki     | 18.11              | 18.10   |
| 6       | Ernakulam  | 2.44               | 2.31    |
| 7       | Trichur    | 2.53               | 2.61    |
| 8       | Palghat    | 5.53               | 5.54    |
| 9       | Malappuram | 30.59              | 31.46   |
| 10      | Kozhikode  | 11.29              | 10.78   |
| 11      | Cannanore  | 22.72              | 22.88   |
|         | State      | 100.00             | 100.00  |

The area under cultivable waste is maximum in Malappuram district (31%) followed by Cannanore (23%) and Idukki districts during 1972-73 and 1973-74. The area under this category for the state as a whole was 74,169 hectares in 1973-74 as against 1,26,775 hectares in 1962-63. It is thus seen that there is considerable reduction in area under cultivable waste land in Kerala.

The area of land put under non-agricultural use was 2,85,791 hectares during 1973-74 as against 2,75,726 hectares in 1972-73. The percentage of area under this category was highest in Cannanore district and lowest in Alleppey District.

The percentage of net area sown to total cropped area for the State as a whole was 73.42% as against 73.56% during 1972-73. The distribution in each district is as follows;—

TABLE 3.4

## Percentage of net area sown to total cropped area

| Sl.No. | District   | Percentage of net area sown to total area |         |
|--------|------------|---|---------|
|        |            | 1972-73                                   | 1973-74 |
| 1      | Trivandrum | 61.54                                     | 62.33   |
| 2      | Quilon     | 64.22                                     | 61.82   |
| 3      | Alleppey   | 69.39                                     | 67.88   |
| 4      | Kottayam   | 67.89                                     | 67.58   |
| 5      | Idukki     | 98.47                                     | 97.06   |
| 6      | Ernakulam  | 84.00                                     | 81.97   |
| 7      | Trichur    | 57.25                                     | 56.35   |
| 8      | Palghat    | 85.00                                     | 85.19   |
| 9      | Malappuram | 82.40                                     | 81.17   |
| 10     | Kozhikode  | 59.34                                     | 59.51   |
| 11     | Cannanore  | 84.85                                     | 90.47   |
|        | State      | 73.56                                     | 73.42   |

In this connection it may be interested to know the percentage of area sown more than once to net area sown. The subjoined table gives the percentage of area sown more than once to net area sown.

TABLE 3.5

## Percentage of area sown more than once to net area sown

| Sl. No. | District   | 1972-73 | 1973-74 |
|---------|------------|---------|---------|
| 1       | Trivandrum | 62.50   | 60.43   |
| 2       | Quilon     | 55.72   | 61.77   |
| 3       | Alleppey   | 44.12   | 47.32   |
| 4       | Kottayam   | 47.29   | 47.98   |
| 5       | Idukki     | 1.56    | 3.03    |
| 6       | Ernakulam  | 19.05   | 21.99   |
| 7       | Trichur    | 74.68   | 77.48   |
| 8       | Palghat    | 17.65   | 17.39   |
| 9       | Malappuram | 21.36   | 23.20   |
| 10      | Kozhikode  | 68.51   | 63.03   |
| 11      | Cannanore  | 17.85   | 10.53   |
|         | State      | 35.94   | 36.20   |

The percentage of area sown more than once to net area sown is maximum in Trichur district and minimum in Idukki district during 1972-73 and 1973-74. Due to better irrigation facilities it is possible to cultivate more than once in Trichur district. The progressive farmers utilise the facilities provided by Government for intensive cultivation. Trivandrum, Quilon, Alleppey, Kottayam, Trichur and Kozhikode districts have higher percentage of net area sown than the State value.

Gross area sown:

The total cropped area during 1973-74 was 29,99,581 hectares as against 29,86,478 hectares in 1972-73, 27,57,439 hectares in 1967-68 and 24,46,771 hectares in 1962-63. It is seen that there is increase in the total cropped area over the years. The percentage distribution of this area for the year 1972-73 and 1973-74 is given in the Table 3.6.

TABLE 3.6

Percentage distribution of total cropped area sown  
1972-73 and 1973-74

| Sl. No. | District   | 1972-73 | 1973-74 |
|---------|------------|---------|---------|
| 1       | Trivandrum | 8.34    | 8.14    |
| 2       | Quilon     | 12.03   | 12.38   |
| 3       | Alleppey   | 7.94    | 8.00    |
| 4       | Kottayam   | 9.05    | 9.01    |
| 5       | Idukki     | 5.63    | 5.71    |
| 6       | Ernakulam  | 7.42    | 7.51    |
| 7       | Trichur    | 8.16    | 8.20    |
| 8       | Palghat    | 11.40   | 11.44   |
| 9       | Malappuram | 8.62    | 8.66    |
| 10      | Kozhikode  | 9.23    | 9.28    |
| 11      | Cannanore  | 12.18   | 11.67   |
|         | State      | 100.00  | 100.00  |

The per capita availability of total cropped area in the different district of the State during 1962-63, 1967-68, 1972-73 and 1973-74 is as follows:—



TABLE 3.7

Per capita availability of total cropped area (Area in Ares)

| Districts  | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|------------|---------|---------|---------|---------|
| Trivandrum | 10.78   | 11.45   | 10.88   | 10.47   |
| Quilon     | 13.27   | 14.24   | 14.35   | 14.58   |
| Alleppey   | 11.62   | 11.08   | 10.85   | 10.86   |
| Kottayam   | 17.55   | 17.03   | 17.12   | 16.93   |
| Idukki     | ..      | ..      | 20.95   | 20.83   |
| Ernakulam  | 11.60   | 12.65   | 9.82    | 9.78    |
| Trichur    | 11.82   | 11.63   | 11.00   | 10.56   |
| Palghat    | 17.59   | 18.03   | 19.48   | 19.32   |
| Malappuram | ..      | ..      | 13.18   | 12.96   |
| Kozhikode  | 13.37   | 13.35   | 12.44   | 12.27   |
| Cannanore  | 16.39   | 15.63   | 14.62   | 13.73   |
| State      | 13.75   | 13.88   | 13.43   | 13.16   |

The per capita availability of cropped area in the State was only 13.16 ares in 1973-74 as against 13.75 ares in 1962-63, 13.88 ares in 1967-68 and 13.43 ares in 1972-73. During 1973-74, the per capita availability of cropped area was maximum in Idukki district with 20.83 ares and minimum in Trichur district with 10.56 ares. The districts of Quilon, Kottayam, Idukki, Palghat and Cannanore have more per capita cropped area than the State value. The increase in the per capita cropped area in Palghat district during 1972-73 and 1973-74 was due to the re-organisation of the district.

#### Cultivable area:

Cultivable area includes net area sown, current fallow, fallow lands other than current fallow, cultivable waste and miscellaneous crops and groves not included in net area sown. The total area under these categories was 24,26,174 hectares in 1973-74 as against 24,32,402 hectares in 1972-73. The per capita availability of cultivable area in the different districts of the State during 1972-73 and 1973-74 is as furnished below:—

TABLE 3.8

Per capita availability of cultivable area  
(Area in Ares)

| Sl. No. | District   | 1972-73 | 1973-74 |
|---------|------------|---------|---------|
| 1       | Trivandrum | 6.66    | 6.61    |
| 2       | Quilon     | 9.38    | 9.18    |
| 3       | Alleppey   | 7.92    | 7.83    |
| 4       | Kottayam   | 12.23   | 12.07   |
| 5       | Idukki     | 23.01   | 22.54   |
| 6       | Ernakulam  | 8.63    | 8.44    |
| 7       | Trichur    | 6.63    | 6.27    |
| 8       | Palghat    | 17.62   | 17.11   |
| 9       | Malappuram | 12.53   | 12.20   |
| 10      | Kozhikode  | 8.15    | 8.04    |
| 11      | Cannanore  | 16.75   | 16.32   |
|         | State      | 10.94   | 10.67   |

The per capita availability of cultivable area is maximum in Idukki district with 22.54 ares and minimum in Trivandrum district, with 6.61 ares during 1973-74. The districts of Kottayam, Idukki, Palghat, Malappuram and Cannanore have more per capita availability of cultivable area than the State value in 1973-74.

*Area under Commercial Crops:*

The important commercial crops of the State are Ginger, Pepper, Cashewnut, Cardamom, Arecanut, Coconut, Tea, Coffee and Rubber. Area cultivated under these commercial crops in the State was 13,90,688 hectares in 1973-74 as against 13,79,853 hectares in 1972-73 and 10,16,191 hectares in 1962-63. The distribution of area under commercial crops during 1972-73 and 1973-74 is as follows:

TABLE 3.9

Percentage distribution of area under commercial crops  
1972-73 and 1973-74

| Sl. No. | District   | 1972-73 | 1973-74 |
|---------|------------|---------|---------|
| 1       | Trivandrum | 7.55    | 7.09    |
| 2       | Quilon     | 11.94   | 12.59   |
| 3       | Alleppey   | 6.82    | 6.95    |
| 4       | Kottayam   | 10.53   | 10.54   |
| 5       | Idukki     | 8.63    | 8.71    |
| 6       | Ernakulam  | 6.70    | 6.91    |
| 7       | Trichur    | 6.47    | 6.61    |
| 8       | Palghat    | 3.81    | 3.93    |
| 9       | Malappuram | 8.72    | 8.84    |
| 10      | Kozhikode  | 12.67   | 12.88   |
| 11      | Cannanore  | 16.16   | 14.95   |
|         | Total      | 100.00  | 100.00  |

It is seen that the area under commercial crops has decreased in 1973-74 over 1972-73. The decrease is observed in Trivandrum, Alleppey, and Cannanore districts. The area under commercial crops is maximum in Cannanore district (14.95%) followed by Kozhikode (12.88%) and Quilon (12.59%) districts during 1973-74. Palghat district has the least (3.93%) area under commercial crops. During 1972-73 also Cannanore district had the highest area under commercial crops and Palghat district the least area.

*Area irrigated:*

The net area irrigated through major and medium irrigation schemes in the State was 97,087 hectares up to 1973-74 as against 83,744 hectares in 1970-71. The gross area irrigated through major and medium irrigation schemes was 1,96,442 hectares up to 1973-74 as against 1,65,916 hectares in 1970-71. The district wise break up of this area is given in the appendix.

The net area irrigated through minor and lift irrigation schemes upto 1973-74 was 1,52,501 hectares while the gross area irrigated under this category was 1,85,904 hectares during the period.

The distribution of area irrigated under major, medium minor and lift irrigation schemes in the different districts of the State up to 1973-74 is presented in the Table 3.10.

A study of the progress achieved under the benefits of major and medium irrigation schemes shows that while the total estimated area benefited by the schemes by the end of 1970-71 was 1,65,916 hectares of gross area (83,744 hectares of net area), the area at the end of 1973-74 was 1,96,442 hectares of

TABLE 3.10.

**Area irrigated through Major, Medium, Minor Lift Irrigation Schemes etc. upto 1973-74**

(area in '000 hectares)  
(Provisional)

| Sl. No. | District   | Major and medium irrigation |        | Minor & lift irrigation etc. |        | Total area irrigated |        |
|---------|------------|-----------------------------|--------|------------------------------|--------|----------------------|--------|
|         |            | Net                         | Gross  | Net                          | Gross  | Net                  | Gross  |
| 1       | Trivandrum | 6.98                        | 13.96  | 14.16                        | 14.16  | 21.14                | 28.12  |
| 2       | Quilon     | ..                          | ..     | 19.47                        | 19.47  | 19.47                | 19.47  |
| 3       | Alleppey   | ..                          | ..     | 25.94                        | 25.94  | 25.94                | 25.94  |
| 4       | Kottayam   | ..                          | ..     | 10.81                        | 10.81  | 10.81                | 10.81  |
| 5       | Idikki     | ..                          | ..     | 0.37                         | 0.37   | 0.37                 | 0.37   |
| 6       | Ernakulam  | 14.48                       | 37.55  | 21.02                        | 42.04  | 35.50                | 79.59  |
| 7       | Trichur    | 34.75                       | 63.09  | 12.59                        | 12.59  | 47.34                | 75.68  |
| 8       | Palghat    | 39.27                       | 78.35  | 12.38                        | 24.76  | 51.65                | 103.11 |
| 9       | Malappuram | ..                          | ..     | 11.61                        | 11.61  | 11.61                | 11.61  |
| 10      | Kozhikode  | 1.60                        | 3.50   | 5.68                         | 5.68   | 7.28                 | 9.18   |
| 11      | Cannanore  | ..                          | ..     | 18.47                        | 18.47  | 18.47                | 18.47  |
| State   |            | 97.08                       | 196.45 | 152.50                       | 185.90 | 249.58               | 382.35 |

Source: Chief Engineer, Irrigation Department.

gross area (97,087 hectares of net area). The percentage increase in the net area during the four years period from 1970-71 to 1973-74 was 115.9% while the increase in gross area was 118.4% during the period. The area irrigated through major and medium irrigation schemes upto 1973-74 was maximum in Palghat district followed by Trichur, Quilon, Alleppey, Kottayam, Idikki, Malappuram and Cannanore districts were without any major or medium irrigation schemes during the period.

The net area irrigated under minor and lift irrigation schemes upto 1973-74 was 1,52,501 hectares as against 1,85,904 hectares of gross area. Alleppey district has the maximum benefits under minor and lift irrigation schemes followed by Quilon district.

Considering the irrigation schemes as a whole, Palghat district has the maximum area under irrigation followed by Trichur and Ernakulam districts, while Idikki district has the least area under irrigation.

*Average size of operational land holdings.*

The land reforms survey conducted in 1966-67 shows that the average size of operational land holdings in Kerala was 1.82 acres (0.74 hectares). Kottayam (including Idikki), Trichur and Cannanore districts have higher average size of operational holdings than the State value.

*Area, production and average yield of important crops.*

The important crops in the State during 1972-73 and 1973-74 are rice, pulses, sugarcane, pepper, ginger, cardamom, arecanut, banana and plantain, cashewnut, tapioca, coconut, tea, coffee, and rubber. Their average area, production and yield per hectare for the years 1972-73 and 1973-74 (combined) are given in the subjoined table.

TABLE 3.11

Average area, production of yield per hectare of important crops in Kerala for the years 1972-73 and 1973-74 (combined production in tonnes) (Area in hectares)

## DISTRICTS

| Sl. No.       | Crops                             | DISTRICTS |       |           |        |          |          |        |           |         |         |            |           |           |       |  |
|---------------|-----------------------------------|-----------|-------|-----------|--------|----------|----------|--------|-----------|---------|---------|------------|-----------|-----------|-------|--|
|               |                                   | (1)       | (2)   | (3)       | (4)    | (5)      | (6)      | (7)    | (8)       | (9)     | (10)    | (11)       | (12)      | (13)      | (14)  |  |
|               |                                   |           |       | Triandrum | Quton  | Alleppey | Kottayam | Idduki | Ernakulam | Trichur | Palghat | Malappuram | Kozhikode | Cannanore | State |  |
| 1. Rice:      |                                   |           |       |           |        |          |          |        |           |         |         |            |           |           |       |  |
|               | Average area                      |           | 39625 | 51172     | 91585  | 44418    | 19523    | 86349  | 110203    | 182706  | 92312   | 64285      | 98010     | 874189    |       |  |
|               | Average production                |           | 58617 | 76213     | 134775 | 68674    | 20945    | 115395 | 142178    | 347622  | 152111  | 70617      | 129569    | 1316718   |       |  |
|               | Average yield (per hectare) (kg.) |           | 1479  | 1489      | 1471   | 1546     | 1549     | 1336   | 1290      | 1903    | 1648    | 1098       | 1322      | 1506      |       |  |
| 2. Pulses:    |                                   |           |       |           |        |          |          |        |           |         |         |            |           |           |       |  |
|               | Average area                      |           | 2449  | 7464      | 546    | 243      | 254      | 1666   | 7825      | 12498   | ..      | 3286       | 1256      | 37487     |       |  |
|               | Average production (Tonnes)       |           | 946   | 2471      | 215    | 120      | 109      | 836    | 2734      | 3842    | ..      | 1212       | 775       | 13260     |       |  |
|               | Average yield (per hectare) (kg.) |           | 386   | 331       | 394    | 494      | 429      | 501    | 349       | 307     | ..      | 369        | 617       | 354       |       |  |
| 3. Sugarcane: |                                   |           |       |           |        |          |          |        |           |         |         |            |           |           |       |  |
|               | Average area                      |           | ..    | 1540      | 4034   | 625      | 1130     | 79     | ..        | 1050    | ..      | ..         | ..        | 190       | 8648  |  |
|               | Average production (tonnes)       |           | ..    | 6654      | 19851  | 3174     | 6711     | 350    | ..        | 8263    | ..      | ..         | ..        | 679       | 45682 |  |
|               | Average yield (per hectare) (kg.) |           | ..    | 4321      | 4921   | 5078     | 5939     | 4474   | ..        | 7870    | ..      | ..         | ..        | 3593      | 5282  |  |

TABLE 3.11 (Contd.)

| (1)                                    | (2)                               | (3)    | (4)    | (5)    | (6)    | (7)    | (8)    | (9)    | (10)   | (11)   | (12)   | (13)   | (14)   |
|--|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>4. Pepper:</b>                      |                                   |        |        |        |        |        |        |        |        |        |        |        |        |
|  | Average area                      | 7122   | 10568  | 2884   | 16211  | 5427   | 7311   | 2472   | 1109   | 4608   | 18854  | 40727  | 117293 |
|  | Average production (tonnes)       | 2412   | 3783   | 590    | 4609   | 1365   | 1571   | 546    | 190    | 876    | 3967   | 6538   | 26447  |
|  | Average yield (per hectare) (kg.) | 338    | 358    | 205    | 284    | 252    | 215    | 221    | 171    | 190    | 210    | 161    | 226    |
| <b>5. Ginger:</b>                      |                                   |        |        |        |        |        |        |        |        |        |        |        |        |
|  | Average Area                      | ..     | 214    | ..     | 3332   | 826    | 834    | 76     | 907    | 1855   | 3450   | 429    | 11973  |
|  | Do. Production (tons)             | ..     | 490    | ..     | 7391   | 1833   | 1869   | 66     | 1491   | 2813   | 8096   | 1036   | 25085  |
|  | Average yield (per hectare) (kg.) | ..     | 2290   | ..     | 2218   | 2219   | 2241   | 868    | 1644   | 1516   | 2346   | 2417   | 2103   |
| <b>6. Cardamom:</b>                    |                                   |        |        |        |        |        |        |        |        |        |        |        |        |
|  | Average Area                      | ..     | ..     | ..     | ..     | 43093  | 1042   | ..     | 1886   | ..     | 1075   | 392    | 47492  |
|  | Do. Production (tons)             | ..     | ..     | ..     | ..     | 1125   | 46     | ..     | 115    | ..     | 66     | 22     | 1376   |
|  | Average yield (per hect.) (kg.)   | ..     | ..     | ..     | ..     | 26     | 44     | ..     | 60     | ..     | 61     | 56     | 29     |
| <b>7. Arecanut:</b>                    |                                   |        |        |        |        |        |        |        |        |        |        |        |        |
|  | Average Area                      | 4528   | 8936   | 5033   | 5135   | 1713   | 7701   | 14398  | 3641   | 14847  | 8091   | 15641  | 89667  |
|  | Do. Production (milli-ton nuts)   | 704    | 1814   | 783    | 515    | 207    | 930    | 2142   | 460    | 2307   | 1494   | 1941   | 13298  |
|  | Average yield (per hectare) (kg.) | 155477 | 202999 | 155573 | 100292 | 120841 | 120764 | 148771 | 126339 | 155385 | 184650 | 124097 | 148304 |
| <b>8. Banana &amp; Other plantain:</b> |                                   |        |        |        |        |        |        |        |        |        |        |        |        |
|  | Average Area                      | 4198   | 5562   | 3331   | 4647   | 1852   | 3099   | 5289   | 4942   | 2586   | 5024   | 6475   | 47004  |
|  | do. Production (tonnes)           | 31813  | 41996  | 25239  | 35051  | 14589  | 23354  | 40025  | 37637  | 19559  | 38025  | 48959  | 356231 |
|  | Average yield (per hectare) (kg.) | 7578   | 7551   | 7577   | 7543   | 7877   | 7536   | 7567   | 7516   | 7663   | 7569   | 7561   | 7579   |

TABLE 3.11 (Contd.)

| (1)                  | (2)                                | (3)     | (4)    | (5)    | (6)    | (7)   | (8)    | (9)    | (10)   | (11)   | (12)   | (13)   | (14)    |
|----------------------|------------------------------------|---------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|---------|
| <b>9. Cashewnut:</b> |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 4431    | 6086   | 3774   | 1334   | 1938  | 3974   | 7023   | 8889   | 16106  | 5751   | 43021  | 102327  |
|                      | Do. Production (tonnes)            | 4972    | 9633   | 4235   | 1497   | 2174  | 4459   | 7879   | 9974   | 15267  | 6452   | 48269  | 114812  |
|                      | Average yield (kg.)                | 1122    | 1583   | 1122   | 1122   | 1122  | 1122   | 1122   | 1122   | 948    | 1122   | 1122   | 1122    |
| <b>10. Tapioca:</b>  |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 76111   | 94745  | 19124  | 38230  | 3077  | 11991  | 8345   | 12333  | 22959  | 10974  | 7528   | 305637  |
|                      | Do. Production (tonnes)            | 1072784 | 187320 | 394228 | 865632 | 74283 | 241933 | 162519 | 269711 | 379972 | 168996 | 159159 | 5675939 |
|                      | Average yield (kg.)                | 14095   | 19920  | 20614  | 22643  | 24141 | 20126  | 19475  | 21486  | 16550  | 15399  | 21142  | 18571   |
| <b>11. Coconut:</b>  |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 76575   | 106798 | 79941  | 68152  | 23040 | 52678  | 56869  | 24037  | 69383  | 96433  | 91223  | 745129  |
|                      | Do. Production (million nuts)      | 442     | 568    | 474    | 326    | 119   | 284    | 340    | 81     | 312    | 539    | 323    | 3812    |
|                      | Average yield (per hectare) (nuts) | 5772    | 5318   | 5929   | 4784   | 5165  | 5391   | 5974   | 3370   | 4497   | 5589   | 3541   | 5116    |
| <b>12. Tea:</b>      |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 1065    | 2353   | ..     | 280    | 27763 | 188    | 436    | 636    | 174    | 3869   | 1358   | 38091   |
|                      | Do. Production (tonnes)            | 1013    | 2408   | ..     | 329    | 32588 | 280    | 733    | 1156   | 188    | 6006   | 1506   | 46017   |
|                      | Average yield (per hectare) (kg.)  | 951     | 1023   | ..     | 1175   | 1174  | 1489   | 1681   | 1817   | 793    | 1552   | 1109   | 1210    |
| <b>13. Coffee:</b>   |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 45      | 271    | ..     | 1124   | 1139  | 106    | ..     | 4351   | ..     | 22998  | 5195   | 35229   |
|                      | Do. Production (tonnes)            | 30      | 35     | ..     | 489    | 497   | 46     | ..     | 2581   | ..     | 9373   | 2137   | 15188   |
|                      | Average yield (per hectare) (kg.)  | 667     | 129    | ..     | 435    | 436   | 434    | ..     | 593    | ..     | 408    | 411    | 431     |
| <b>14. Rubber:</b>   |                                    |         |        |        |        |       |        |        |        |        |        |        |         |
|                      | Average Area                       | 7630    | 32272  | 3792   | 50401  | 15231 | 20561  | 9346   | 7629   | 17192  | 15979  | 17571  | 197604  |
|                      | Do. Production (tonnes)            | 4199    | 17928  | 2028   | 26957  | 8108  | 10911  | 5949   | 3014   | 8531   | 8883   | 8426   | 104892  |
|                      | Average yield (per hectare) (kg.)  | 550     | 557    | 535    | 535    | 532   | 531    | 637    | 395    | 496    | 556    | 480    | 531     |

There are important differences in the cropping pattern with regard to the different districts of the State. Paddy is the most important cereal crop of the State. Palghat district has the maximum percentage of area under paddy cultivation. During 1972-73, the area under paddy was 873704 hectares as against 874675 hectares in 1973-74. Both these years the area under paddy is highest in Palghat and lowest in Idikki district. The combined average area under paddy during 1972-73 and 1973-74 was 874189 hectares of which 21% was in Palghat district. The production of rice during 1973-74 was 12.57 lakh tonnes as against 13.76 lakh tonnes in 1972-73. The average yield of rice (per hectare) was highest in Palghat district and lowest in Kozhikode district. The combined average yield of rice in 1972-73 and 1973-74 was 1506 kg. per hectare for the State. Kottayam, Idukki, Palghat and Malappuram districts have higher average yield rate than the State value.

Sugarcane is cultivated in the districts of Quilon, Alleppey, Kottayam, Idikki, Ernakulam, Palghat and Cannanore districts, the highest area under cultivation being in Quilon district. The average yield is highest in Palghat district. Palghat and Idikki districts have higher productivity than the State value.

Pepper is cultivated in all the districts of the State. The area and production under pepper are highest in Cannanore district and least in Palghat district. Trivandrum, Quilon, Kottayam and Idukki Districts have higher productivity than the State value.

Kozhikode district has the highest percentage of ginger cultivation followed by Kottayam and Malappuram districts. The average yield per hectare is highest in Cannanore district followed by Kozhikode. The productivity is higher than the State value in Quilon, Kottayam, Idikki, Ernakulam, Kozhikode and Cannanore districts.

Eventhough cardamom cultivation is almost the monopoly of Idikki district, the average yield per hectare is highest in Kozhikode district. Idikki district has the highest percentage of area under cardamom and tea cultivation. Production of cardamom and tea is also highest in this district. The average yield of tea per hectare is highest in Palghat district followed by Trichur district.

Areca nut and coconut are cultivated in all the districts of Kerala. The area under areca nut is greatest in Cannanore district while the area under coconut is highest in Quilon district. The production of areca nut is highest in Malappuram district followed by Trichur District and least in Kottayam district. The average yield of areca nut per hectare is maximum in Quilon district followed by Kozhikode. Trivandrum, Quilon, Alleppey, Trichur, Malappuram and Kozhikode districts have higher productivity in respect of areca nut than the State value.

The production of coconut is highest in Quilon district followed by Kozhikode district. The average yield per hectare under coconut cultivation is highest in Trichur district followed by Alleppey district and least in Palghat district. Trivandrum, Quilon, Alleppey, Idikki, Ernakulam,



Trichur and Kozhikode districts have higher productivity in respect of coconut cultivation than the State value.

Cashew industry is giving employment to a considerable number of workers in the State. Cashew is cultivated in all the districts of the State. The area under cultivation is highest in Cannanore district followed by Malappuram district. The production is also highest in these districts. The average yield per hectare is highest in Quilon district and least in Malappuram district.

Tapioca is an important crop cultivated in Kerala. The area under cultivation and production of this crop is highest in Quilon district and least in Idikki district. The average yield per hectare is highest in Idikki district and lowest in Trivandrum district.

The area under cultivation of coffee is maximum in Kozhikode district followed by Cannanore district. About 70% of the area under coffee cultivation is in Kozhikode district. The average yield per hectare is maximum in Trivandrum district and minimum in Quilon district.

Rubber is cultivated in all the districts of the State. The area under rubber is maximum in Kottayam District followed by Quilon district. Production of rubber is also highest in Kottayam district followed by Quilon district.

#### *Change in the productivity of important crops*

The percentage change in the productivity of important crops during the decade 1960-61 to 1970-71 has been worked out and presented in the table appended. In the case of rice the productivity has increased by 8.24% for Kerala during the decade. The increase in percentage was maximum in Cannanore district (26.11%) followed by Trichur (14.91%) and Alleppey (12.00%) districts.

#### *Distribution of chemical fertilizers*

A total quantity of 207938 tons of chemical fertilizers was distributed in Kerala during 1972-73 as against 64357 tons during 1962-63. Consumption of fertilizer is maximum in Alleppey district followed by Ernakulam district during 1972-73. The quantity distributed was least in Malappuram district just behind Quilon district. The quantity of chemical fertilizer distributed in Kerala during 1962-63 to 1972-73 is given in the following table.

TABLE 3.12

**Distribution of chemical fertilizers in Kerala***(Quantity in metric tons)*

| Sl. No. | District   | Years   |         |         |
|---------|------------|---------|---------|---------|
|         |            | 1962-63 | 1967-68 | 1972-73 |
| 1       | Trivandrum | 2930    | 9042    | 12620   |
| 2       | Quilon     | 5438    | 9482    | 12771   |
| 3       | Alleppey   | 13346   | 15962   | 28643   |
| 4       | Kottayam   | 13577   | 11328   | 44337   |
| 5       | Idikki     |         |         |         |
| 6       | Ernakulam  | 5733    | 8948    | 25699   |
| 7       | Trichur    | 5702    | 10982   | 20201   |
| 8       | Palghat    | 10331   | 15531   | 23384   |
| 9       | Malappuram | ..      | ..      | 9526    |
| 10      | Kozhikode  | 3911    | 8964    | 17003   |
| 11      | Cannanore  | 3389    | 7616    | 13754   |
| State   |            | 64357   | 97856   | 207938  |

Though the distribution of fertilizer has increased considerably from 1962-63 to 1972-73, there is significant differences in the distribution between districts. The chemical fertilizer distributed per hectare of gross area cultivated in the State during 1972-73 was 70 kg.

The quantum of distribution per hectare of total cropped area was highest in Alleppey district and lowest in Malappuram District during 1972-73 as is given in the following table.

TABLE 3.13

**Distribution of chemical fertilizers per hectare of cropped Area (in kg.)**

| District   | 1962-63 | 1967-68 | 1972-73 |
|------------|---------|---------|---------|
| Trivandrum | 14.8    | 37.6    | 50.7    |
| Quilon     | 20.1    | 28.4    | 35.5    |
| Alleppey   | 60.3    | 69.4    | 120.9   |
| Kottayam   | 42.4    | 31.9    | 101.1   |
| Idikki     |         |         |         |
| Ernakulam  | 25.2    | 32.8    | 116.0   |
| Trichur    | 27.9    | 49.9    | 82.9    |
| Palghat    | 31.4    | 43.3    | 68.8    |
| Malappuram | ..      | ..      | 37.0    |
| Kozhikode  | 10.6    | 21.7    | 61.7    |
| Cannanore  | 11.0    | 22.9    | 37.8    |
| State      | 26.3    | 35.5    | 69.6    |

### Gross value of Agricultural output

For the purpose of computing the gross value of Agricultural output all the important crops for which farm price and wholesale prices are available have been taken into account. These crops include Paddy, Sugarcane, Pepper, Ginger, Cardamom, Arecanut, Banana and Plantain, Cashewnut, Tapioca, Coconut, Tea, Coffee and Rubber. The value of Agricultural output of gross area sown for the above crops (combined) was Rs. 110647.4 lakhs in 1973-74 as against Rs. 63065.8 lakhs and Rs. 77078.5 lakhs in 1967-68 and 1972-73 respectively.

The value of Agricultural output per hectare of gross area sown and per capita output (value) for the crops (combined) for the years 1967-68, 1972-73 and 1973-74 are given below:—

TABLE 3.14

#### Gross value of Agricultural output per hectare and per capita

| District   | Value per hectare (in Rs.) |         |         | Per capita output (value)<br>(in Rs.) |         |         |
|------------|----------------------------|---------|---------|---------------------------------------|---------|---------|
|            | 1967-68                    | 1972-73 | 1973-74 | 1967-68                               | 1972-73 | 1973-74 |
|            | Trivandrum                 | 4155    | 4414    | 5533                                  | 302     | 290     |
| Quilon     | 3861                       | 4950    | 6787    | 368                                   | 456     | 612     |
| Alleppey   | 4102                       | 4329    | 6308    | 321                                   | 326     | 465     |
| Kottayam   | 2354                       | 4034    | 6041    | 357                                   | 469     | 691     |
| Idikki     | ..                         | 2474    | 3713    | ..                                    | 510     | 751     |
| Ernakulam  | 2745                       | 3113    | 4606    | 275                                   | 273     | 369     |
| Trichur    | 4002                       | 4586    | 6339    | 290                                   | 289     | 377     |
| Palghat    | 2800                       | 2723    | 4207    | 380                                   | 451     | 693     |
| Malappuram | ..                         | 2961    | 4199    | ..                                    | 322     | 442     |
| Kozhikode  | 2477                       | 4304    | 6485    | 288                                   | 318     | 421     |
| Cannanore  | 2096                       | 2106    | 3151    | 287                                   | 261     | 391     |
| State      | 2962                       | 3508    | 5024    | 317                                   | 347     | 487     |

The gross value of Agricultural output per hectare of gross area sown for the important crops in the State was Rs. 5024 in 1973-74 as against Rs. 3508 in 1972-73. This is due to the increase in the gross cropped area in 1973-74 over 1972-73 and the increase in the price level during 1973-74 over 1972-73. The value of Agricultural output per hectare for the crops (combined) was maximum in Quilon district and minimum in Cannanore district during 1973-74. During 1972-73 also the gross value per hectare was highest in Quilon district and lowest in Cannanore district. The districts of Trivandrum, Quilon, Alleppey, Kottayam, Trichur and Kozhikode have highest Agricultural output (value) per hectare than the State value.

The per capita gross value of Agricultural output for the important crops in Kerala during 1973-74 was Rs. 487 as against Rs. 317 and Rs. 347 in 1967-68 and 1972-73 respectively. The per capita agricultural output is maximum in Idukki district and minimum in Trivandrum district in 1973-74. This is due to the predominance of plantation crops like Tea, Coffee and Rubber in Idukki district with the least density of population. Quilon, Kottayam, Idukki & Palghat districts have higher per capita agricultural output than the State value in 1973-74.

The percentage of gross value of Agricultural output for food crops and commercial crops to the total value of agricultural output for the years 1967-68, 1972-73 and 1973-74 is furnished in the table below.

TABLE 3.15  
Percentage of gross value of Agriculture output

| District   | Food crops* |         |         | Commercial crops† |         |         |
|------------|-------------|---------|---------|-------------------|---------|---------|
|            | 1967-68     | 1972-73 | 1973-74 | 1967-68           | 1972-73 | 1973-74 |
| Trivandrum | 67.42       | 65.02   | 52.05   | 39.75             | 41.86   | 52.98   |
| Quilon     | 68.82       | 62.70   | 62.00   | 42.49             | 44.95   | 47.16   |
| Alleppey   | 62.63       | 59.16   | 59.56   | 41.95             | 45.55   | 44.58   |
| Kottayam   | 45.97       | 59.32   | 54.47   | 66.84             | 49.05   | 54.83   |
| Idukki     | ..          | 29.84   | 31.47   | ..                | 85.03   | 83.01   |
| Ernakulam  | 66.49       | 64.11   | 57.67   | 44.51             | 41.58   | 51.49   |
| Trichur    | 73.16       | 65.58   | 60.80   | 42.17             | 48.33   | 52.10   |
| Palghat    | 89.83       | 90.69   | 89.31   | 17.10             | 14.56   | 15.87   |
| Malappuram | ..          | 70.39   | 72.49   | ..                | 44.29   | 43.22   |
| Kozhikode  | 45.58       | 33.94   | 37.89   | 70.30             | 76.70   | 75.38   |
| Cannanore  | 74.30       | 69.30   | 62.17   | 46.36             | 59.04   | 60.31   |
| State      | 64.07       | 62.49   | 59.69   | 46.45             | 48.08   | 51.01   |

\*Food crops—include Rice, Sugarcane, Pepper, Ginger, Cardamom, Arecanut, Banana and Plantain, Cashewnut and Tapioca.

†Commercial crops include Pepper, Ginger, Cardamom, Arecanut, Coconut, cashewnut, Tea, Coffee and Rubber.

The above table shows that 59.69% of the gross value of Agricultural output in the State are from food crops in 1973-74 as against 62.49% in 1972-73. The value of food crops in relation to total Agricultural output is higher in the districts of Quilon, Trichur, Palghat, Malappuram and Cannanore than the State value during 1973-74. Palghat district produces more food crops than the other districts of the State.

Of the total value of Agricultural output from important crops in the State 51.01% are from commercial crops during 1973-74 as against 48.08% in 1972-73. The proportion of the value of commercial crops is highest in Idukki district where plantation crops are predominant. Trivandrum, Kottayam, Idukki, Ernakulam, Trichur, Kozhikode and Cannanore districts have higher percentage of Commercial crops than the state value.

#### 4. INDUSTRY AND POWER

There is a tendency for the industries to cluster in areas which are already developed. This tendency is due to the better infrastructure facilities, the availability of capital, managerial efficiency, the concentration of entrepreneurial talents and the availability of technical personnel etc., in these places. The Bombay-Poona region in Maharashtra, the Culcatta-Durgapur region in West Bengal etc., have reached a high level of development when compared to the other parts of the country. Deliberate measures are to be taken for the development of the backward regions also in order to avoid exploitation by the developed areas.

The percentage contribution of important industrial characteristics of different States in India for the years 1962, 1964 and 1968 are given in the appendix. It is seen that only 5.11% of the total registered factories are in Kerala as against 21.27% in Maharashtra. The four States of Maharashtra, West Bengal, Tamil nadu and Gujarat have 53.39% of the registered factories with 47.14% of the productive capital. As far as Kerala is concerned the percentage of productive capital is only 2.56% when having a population of 3.89% of all India. The percentage of factory employment in Kerala was only 4.33 as against 19.85 in Maharashtra 18.81 in West Bengal 9.68 in Tamil nadu and 8.22% in Gujarat. Kerala has produced only 2.97% of the industrial out put as against 25.02% in Maharashtra 16.39% in West Bengal 9.20% in Tamil nadu and 8.55% in Gujarat. It is seen that only 3.63% of the value added by manufacture was from Kerala as against 26.96% in Maharashtra 16.29% in West Bengal and 9.22% in Tamil Nadu.

According to 1971 census, industrial sector in Kerala accommodates 15% of the workers as against 9% for India as a whole. But the contribution of the Industrial sector to the State Income is not commensurate with the labour force engaged in it, as the bulk of the Industries in the State are traditional industries like cashew, coir, handicrafts, handloom etc. which require only very low investment and hence very low productivity. There are only very few large scale industries in the State and the organised industrial sector absorbs only a very low percentage of labour force in the State.

The large scale industrial units show concentration in certain districts of the State depending on the availability of infrastructure facilities and raw materials. The total number of registered factories in the State by the end of 1972 was 3499 as against 2400 during 1960 and 3055 in 1969. These factories in Kerala provide employment to 2.26 lakhs of people in 1972 as against 1.67 lakhs in 1960.

The growth of the registered factories and employment generated in the factory sector in Kerala in each district during the year 1960 to 1972 is given in the following table.

TABLE 4.1

**Growth of registered working factories and employment in Kerala by districts, 1960 to 1972**

| Sl. No. | Districts/State | No. of factories |      | Average daily employment     |        |        |                              |
|---------|-----------------|------------------|------|------------------------------|--------|--------|------------------------------|
|         |                 | 1960             | 1972 | Percentage increase/decrease | 1960   | 1972   | Percentage increase/decrease |
| 1       | Trivandrum      | 118              | 176  | 49.15                        | 7402   | 14543  | 96.47                        |
| 2       | Quilon          | 346              | 465  | 34.39                        | 67279  | 104239 | 54.94                        |
| 3       | Alleppey        | 278              | 317  | 14.03                        | 15512  | 12618  | (-)18.66                     |
| 4       | Kottayam        | 229              | 227  | (-)0.88                      | 7794   | 5247   | (-)32.68                     |
| 5       | Idukki          | ..               | 114  | ..                           | ..     | 4370   | ..                           |
| 6       | Ernakulam       | 251              | 530  | 111.16                       | 15137  | 26278  | 70.60                        |
| 7       | Trichur         | 299              | 555  | 85.62                        | 16146  | 18027  | 11.65                        |
| 8       | Palghat         | 221              | 303  | 37.10                        | 6444   | 7576   | 17.57                        |
| 9       | Malappuram      | ..               | 64   | ..                           | ..     | 1793   | ..                           |
| 10      | Kozhikode       | 290              | 430  | 48.28                        | 17433  | 18414  | 5.63                         |
| 11      | Cannanore       | 368              | 318  | (-)3.59                      | 13870  | 12983  | (-)6.40                      |
|         | State           | 2400             | 3499 | 45.79                        | 167017 | 226088 | 35.37                        |

There are very important differences in the growth of factories and employment between districts during the period. The number of registered factories has increased to 111.16% in Ernakulam district, while in Cannanore district the number has decreased by 3.59%. The number of factories decreased in Kottayam district may be due to the formation of Idukki district in 1972. Trivandrum, Ernakulam, Trichur and Kozhikode districts have higher percentage of increase in the number of industries than the state value.

Eventhough the growth in the number of registered factories was 45.79% during the period under report, the corresponding increase in employment was only 35.37% for the State as a whole. The percentage increase in employment was highest in Trivandrum district followed by Ernakulam and Quilon districts. There was decrease in employment in Alleppey, Kottayam and Cannanore districts. The decrease in employment in Kottayam district was due to the formation of Idukki district.

In order to study the concentration of factory employment in the different districts of the State a location factor has been worked out. Location factor has been worked out by taking the ratio of the two proportions viz., the proportion of factory workers in the population of the region and the corresponding proportion for the State as a whole. The table below gives the location factor for various districts of the State.

TABLE 4.2

## Location factor

| Sl. No. | District   | Location factor |            |
|---------|------------|-----------------|------------|
|         |            | 30-6-1963       | 31-12-1972 |
| (1)     | (2)        | (3)             | (4)        |
| 1       | Trivandrum | 0.42            | 0.62       |
| 2       | Quilon     | 3.71            | 4.09       |
| 3       | Alleppey   | 0.74            | 0.56       |
| 4       | Kottayam   | 0.47            | 0.32       |
| 5       | Idukki     | ..              | 0.54       |
| 6       | Ernakulam  | 0.88            | 1.15       |
| 7       | Trichur    | 0.91            | 0.80       |
| 8       | Palghat    | 0.37            | 0.43       |
| 9       | Malappuram | ..              | 0.09       |
| 10      | Kozhikode  | 0.64            | 0.82       |
| 11      | Cannanore  | 0.77            | 0.52       |

Concentration of factory workers is higher in Quilon, Ernakulam, Kozhikode and Trichur districts. The location factor is highest in Quilon district where there are more cashew factories which are labour intensive. Many of the major industrial units are in Ernakulam district.

Apart from factory industries, plantation industries (Tea, Coffee and Rubber) have a vital role in the states economy providing employment for about 2.7 lakh persons. The distribution of employment in these industries during 1973 is given below:

TABLE 4.3

## Employment in Plantations

1973

| District   | Employment |       |         | Total  |
|------------|------------|-------|---------|--------|
|            | Rubber     | Tea   | Coffee* |        |
| Trivandrum | 8821       | 1798  | 45      | 10664  |
| Quilon     | 34305      | 2869  | 310     | 37484  |
| Alleppey   | 3723       | ..    | ..      | 3723   |
| Kottayam   | 27454      | 491   | 1495    | 29440  |
| Idukki     | 8345       | 48130 | 2573    | 59048  |
| Ernakulam  | 10667      | 396   | 126     | 11189  |
| Trichur    | 12420      | 839   | ..      | 13259  |
| Palghat    | 5214       | 1596  | 10098   | 16908  |
| Malappuram | 11717      | 219   | ..      | 11936  |
| Kozhikode  | 11529      | 9388  | 29691   | 50608  |
| Cannanore  | 13634      | 3103  | 6484    | 23221  |
| State      | 147829     | 68829 | 50822   | 267480 |

\* Figure relates to the financial year.

Employment in plantations was maximum in Idukki district where Rubber, Tea and Coffee are cultivated extensively. Kozhikode district has the second place in this regard and the least place is for Alleppey district. Alleppey district has no Tea cultivation and Trichur, Alleppey and Malappuram districts have no coffee cultivation.

Based on the Annual Survey of Industries conducted in the State certain economic indicators have been worked out for the years 1962, 1964 and 1971. The survey covered all factories in the state employing 10 or more workers and using power and those employing 20 or more workers and not using power. The district-wise economic indicators in respect of Industries covered by A. S. I. are given in the appendix.

The important economic indicators in respect of industries for the year 1971 for different districts of the State is given in the following table.



TABLE 4.4

## Important economic Indicators by district—1971

| Sl.No. | Item  | TVM    | QLN    | ALLPY | KTM    | IDIKKI | EKM    | TCR    | PGT   | MLPM  | KZDE   | CNNR STATE |        |
|--------|---|--------|--------|-------|--------|--------|--------|--------|-------|-------|--------|------------|--------|
| (1)    | (2)   | (3)    | (4)    | (5)   | (6)    | (7)    | (8)    | (9)    | (10)  | (11)  | (12)   | (13)       | (14)   |
| 1.     | Number of factories per 100 sq. km.                       | 1.92   | 5.15   | 2.28  | 2.32   | 0.92   | 3.79   | 3.59   | 0.84  | 0.22  | 2.65   | 0.95       | 2.10   |
| 2.     | Number of factories per lakh population                   | 1.91   | 9.86   | 2.02  | 3.31   | 6.14   | 4.16   | 5.12   | 2.20  | 0.43  | 4.70   | 2.28       | 3.83   |
| 3.     | Productive capital employed per employee (Rs.)            | 35992  | 1859   | 8551  | 15950  | 10889  | 37805  | 12128  | 12727 | 12995 | 9329   | 6162       | 19589  |
| 4.     | Productive capital per capita (Rs.)                       | 448    | 64     | 28    | 46     | 43     | 389    | 67     | 31    | 5     | 65     | 23         | 119    |
| 5.     | Factory employment per 1,000 sq. km. (Nos.)               | 1248   | 1788   | 366   | 203    | 60     | 937    | 388    | 94    | 18    | 395    | 156        | 481    |
| 6.     | Factory employment per lakh population (Nos.)             | 1244   | 3426   | 324   | 289    | 399    | 1029   | 552    | 245   | 35    | 699    | 375        | 875    |
| 7.     | Wages paid per employee per annum (Rs.)                   | 3453   | 835    | 1818  | 2740   | 1819   | 5669   | 2661   | 2506  | 2947  | 3329   | 1983       | 2303   |
| 8.     | Input, required to produce Rs. 1000 worth of output (Rs.) | 3387   | 1432   | 1288  | 1338   | 1324   | 1538   | 1194   | 1338  | 1604  | 1443   | 1790       | 1528   |
| 9.     | Output per employee per annum (Rs.)                       | 11625  | 7000   | 18162 | 40653  | 37516  | 47501  | 20716  | 20844 | 25809 | 21780  | 17488      | 17115  |
| 10.    | Per capita output (Rs.)                                   | 144.65 | 239.86 | 58.89 | 117.65 | 149.70 | 488.82 | 114.43 | 50.97 | 9.09  | 152.24 | 65.64      | 149.79 |
| 11.    | Value added by Manufacture per employee (Rs.)             | 6809   | 2064   | 3644  | 9904   | 8432   | 14034  | 4942   | 5213  | 9226  | 5893   | 3645       | 5187   |
| 12.    | Per capita value added by manufacture (Rs.)               | 84.73  | 70.73  | 11.81 | 28.66  | 33.65  | 144.51 | 27.30  | 12.75 | 3.25  | 41.20  | 19.77      | 45.40  |

Quilon district has the maximum number of industries per 100 sq. kms. Quilon, Alleppey, Kottayam, Ernakulam, Trichur and Kozhikode districts have more industries than the state value. The number of factories per lakh of population is highest in Quilon district followed by Idukki, Trichur and Kozhikode districts. Malappuram district has the least number of factories. Productive capital employed per employee is highest in Ernakulam district followed by Trivandrum and lowest in Quilon district. Trivandrum, Kottayam and Ernakulam districts have more productive capital per employee than the state value. Per capita productive capital is highest in Trivandrum district followed by Ernakulam and the least is in Malappuram district. Quilon district has the highest factory employment followed by Trivandrum and the least number is in Malappuram district. Wages paid per employee per annum is highest in Ernakulam district and least in Quilon district just below the Cannanore district. Inputs required to produce Rs. 1000 worth of output is highest in Trivandrum district and least in Trichur district. The output per employee per annum is highest in Ernakulam and lowest in Quilon district.

Per capita output from industries is maximum in Ernakulam district and minimum in Malappuram district just behind Alleppey district. Quilon, Ernakulam and Kozhikode districts have higher per capita output than the state value.

Value added by manufacture per employee is highest in Ernakulam district and lowest in Quilon district. Trivandrum, Kottayam, Idukki, Ernakulam, Palghat, Malappuram, and Kozhikode districts have higher values added by manufacture than the state value.

The per capita value added by manufacture is highest in Ernakulam district followed by Trivandrum district. Trivandrum, Quilon, Ernakulam and Kozhikode districts have higher per capita value added by manufacture than the state value.

#### *Power:*

Availability of power is an essential pre requisite for industrial development. Generation of power is cheaper in Kerala when compared to other states in India. The installed capacity of power system in Kerala rose from 28.5 M.W. in 1951-52 to 621.5 M.W. in 1973-74. Idukki, hydro-electric project is under construction and it is expected that the first stage of the project will be completed in 1976.

The number of consumers of electricity has increased from 7.11 lakhs in 1972-73 to 7.77 lakhs in 1973-74. The total units of power generated in 1973-74 was 2510.50 M.K.W.H. as against 2351.2 M.K.W.H. in 1972-73 and 2293.0. M.K.W.H. in 1971-72. The per capita consumption of electricity per annum increased to 79.09 units in 1973-74 as against 73 units in 1971-72 and 77.41 units in 1972-73.

The number of Consumers of Electricity (excluding street lights) per lakh population has increased from 1267 in 1962-63 to 3396 in 1973-74.

The distribution of Consumers of Electricity per lakh population in the different districts of the stage during 1962-63, 1967-68, 1972-73 and 1973-74 are as follows:—

TABLE 4.5  
Consumers of Electricity (excluding street lights) per lakh population by districts

| <i>District</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|-----------------|---------|---------|---------|---------|
| Trivandrum      | 2014    | 2887    | 4225    | 4542    |
| Quilon          | 1375    | 2159    | 3385    | 3613    |
| Alleppey        | 1603    | 1949    | 3976    | 4275    |
| Kottayam        | 1393    | 1975    | 2719    | 2902    |
| Idukki          | ..      | ..      | 968     | 1033    |
| Ernakulam       | 1194    | 1547    | 4941    | 5404    |
| Trichur         | 1460    | 2326    | 3777    | 3833    |
| Palghat         | 1275    | 2040    | 3176    | 3324    |
| Malappuram      | ..      | ..      | 1232    | 1315    |
| Kozhikode       | 630     | 1270    | 1799    | 1908    |
| Cannanore       | 726     | 1812    | 2989    | 3239    |
| State           | 1267    | 1956    | 3193    | 3396    |

The Consumers of Electricity per lakh population was highest in Ernakulam district followed by Trivandrum and Alleppey districts and lowest in Idukki district during 1972-73 and 1973-74. But in 1962-63 and 1967-68 the maximum number of Consumers of Electricity in relation to population was in Trivandrum district. It is seen that the districts of Trivandrum, Quilon Alleppey, Ernakulam and Trichur have higher number of Consumers of Electricity per lakh population than the state value during 1972-73 and 1973-74.

The percentage of Villages electrified, under the rural electrification scheme, to the total villages (rural) in Kerala is presented in the subjoined table.

TABLE 4.6  
The percentage of villages electrified under the Rural Electrification Scheme

| <i>District</i> | 1967-68 | 1972-73 | 1973-74 |
|-----------------|---------|---------|---------|
| Trivandrum      | 95.40   | 97.70   | 97.70   |
| Quilon          | 93.87   | 98.98   | 100.00  |
| Alleppey        | 98.99   | 98.99   | 98.99   |
| Kottayam        | 85.14   | 87.13   | 87.13   |
| Ernakulam       | 98.12   | 100.00  | 100.00  |
| Trichur         | 85.77   | 94.12   | 95.38   |
| Palghat         | 62.54   | 75.84   | 80.54   |
| Kozhikode       | 47.41   | 62.58   | 64.84   |
| Cannanore       | 40.00   | 62.55   | 67.66   |
| State           | 69.74   | 80.48   | 82.84   |

It is seen that 83% of the rural villages in the State have been electrified under the rural electrification scheme till the end of 1973-74. All the rural villages in Quilon and Ernakulam districts have been electrified. In Kottayam district (including Idukki) only 87% of the rural villages have been electrified. Most of the remaining villages to be electrified are in Idukki district. In Kozhikode district (including Malappuram district) only 65% of the villages have been electrified so far. Majority of the villages to be electrified are in Malappuram district. Only 68% of the rural villages in the Cannanore district have been electrified at the end of 1973-74. The most backward districts in this respect are Idukki, Malappuram, Cannanore and Palghat.

The per capita consumption of electricity during the year 1974-75 was 79.65 KWH for the State as a whole. The distribution of per capita consumption of electricity for various purposes in the different districts of the State is as furnished below.

TABLE 4.7

Per Capita consumption of electricity (K.W.H.)  
1974-75

| District           | Per Capita total consumption | Domestic consumption | Commercial | Industrial power at low and medium voltage | Industrial power at high voltage | Agriculture and Irrigation |
|--------------------|------------------------------|----------------------|------------|--|----------------------------------|----------------------------|
| Trivandrum         | ..                           | 17.58                | 5.91       | 8.90                                       | 5.30                             | 0.23                       |
| Quilon             | ..                           | 7.16                 | 3.78       | 7.74                                       | 21.44                            | 0.32                       |
| Alleppey           | ..                           | 7.30                 | 2.90       | 7.93                                       | 33.77                            | 0.75                       |
| Kottayam<br>Idukki | ..                           | 4.94                 | 2.66       | 7.69                                       | 21.11                            | 6.99                       |
| Ernakulam          | ..                           | 7.08                 | 3.52       | 6.70                                       | 386.56                           | 19.45                      |
| Trichur            | ..                           | 7.12                 | 3.80       | 8.67                                       | 12.90                            | 7.74                       |
| Palghat            | ..                           | 6.28                 | 3.73       | 6.60                                       | 8.39                             | 6.14                       |
| Malappuram         | ..                           | 2.28                 | 2.06       | 2.59                                       | 0.27                             | 1.59                       |
| Kozhikode          | ..                           | 6.27                 | 6.82       | 7.37                                       | 18.19                            | 0.12                       |
| Cannanore          | ..                           | 5.76                 | 2.90       | 3.49                                       | 5.00                             | 0.28                       |
| State              | 79.65                        | 7.25                 | 3.87       | 6.80                                       | 51.81                            | 4.38                       |

With regard to domestic consumption Trivandrum district stands first with a per capita consumption of 17.58 KWH. The minimum per capita domestic consumption was in Malappuram district. Separate figure for Idukki district is not available. Considering Kottayam and Idukki districts together the per capita domestic consumption is only 4.94 K.W.H., just above the per capita domestic consumption in Malappuram district. Trivandrum and Alleppey districts have higher per capita domestic consumption of electricity than the State value.

As regards industrial power at low and medium voltage the per capita consumption for the State was 6.80 K.W.H. during 1974-75. The per capita

consumption under this category was highest in Trivandrum district with 8.90 K.W.H. and lowest in Malappuram district with 2.59 K.W.H. Trivandrum, Quilon, Alleppey, Kottayam, Trichur and Kozhikode districts have higher per capita consumption under this category than the State value.

The per capita consumption of Industrial power at high voltage for the State as a whole was 51.81 K.W.H. during 1974-75. The per capita consumption under this category is maximum in Ernakulam district and minimum in Malappuram district.

The per capita consumption of electricity for agricultural purpose was 4.38 K.W.H. for the State. The per capita consumption under this category is highest in Ernakulam district with 19.45 K.W.H. and lowest in Kozhikode district with 0.12 K.W.H. Kottayam, Ernakulam and Palghat districts have higher per capita consumption of electricity under this category than the State value.

## 5. EDUCATION

In the matter of literacy Kerala stands very high among the Indian States. According to 1971 census the percentage of literacy in the State was 60.42 as against 46.85 in 1961. The percentage of literacy for India as a whole was 29.34 in 1971 as against 24.03 in 1961. The literacy rate is highest in Kerala followed by Tamilnadu with 35.72%, Punjab with 33.39% and West Bengal with 33.05% during 1971. The least percentage of literacy is in Jammu and Kashmir with 18.30 just below Rajasthan with 18.79. The States of Gujarat, Himachal Pradesh, Kerala, Maharashtra, Karnataka, Punjab, Tamilnadu and West Bengal have higher percentage of literacy than the All India value in 1971.

The percentage of literacy in the different districts of the State in 1961 and 1971 is given in the Table below.

TABLE 5.1  
Percentage literate to total population

| Sl. No. | District   | Year  |       |
|---------|------------|-------|-------|
|         |            | 1961  | 1971  |
| 1.      | Trivandrum | 45.30 | 62.54 |
| 2.      | Quilon     | 50.39 | 64.97 |
| 3.      | Alleppey   | 57.04 | 70.44 |
| 4.      | Kottayam   | 61.52 | 72.88 |
| 5.      | Idukki     | 44.33 | 56.42 |
| 6.      | Ernakulam  | 50.33 | 65.37 |
| 7.      | Trichur    | 47.08 | 61.61 |
| 8.      | Palghat    | 35.02 | 46.69 |
| 9.      | Malappuram | 34.29 | 47.90 |
| 10.     | Kozhikode  | 44.88 | 57.23 |
| 11.     | Cannanore  | 41.29 | 54.84 |
| State   |            | 46.85 | 60.42 |

According to 1961 and 1971 censuses, Alleppey district had the highest percentage of literacy. But after the formation of Idukki district, carving out portions of Kottayam and Ernakulam districts, Kottayam district has the highest percentage of literacy in the State and Malappuram district has the lowest percentage. Trivandrum, Quilon, Allepey, Kottayam Ernakulam and Trichur districts have higher percentage of literacy than the State value during 1971.

The following Table shows the number of schools, the number of scholars and the number of teachers in the different districts of the State during the years 1967-68 and 1974-75.

| District           | 1967-68 |           | 1974-75 |           |
|--------------------|---------|-----------|---------|-----------|
|                    | Schools | Scholars  | Schools | Scholars  |
| Alappuzha          | 1,200   | 1,20,000  | 1,300   | 1,30,000  |
| Ernakulam          | 1,500   | 1,50,000  | 1,600   | 1,60,000  |
| Idukki             | 1,000   | 1,00,000  | 1,100   | 1,10,000  |
| Kannur             | 1,100   | 1,10,000  | 1,200   | 1,20,000  |
| Kasaragod          | 1,300   | 1,30,000  | 1,400   | 1,40,000  |
| Kottayam           | 1,400   | 1,40,000  | 1,500   | 1,50,000  |
| Malappuram         | 1,200   | 1,20,000  | 1,300   | 1,30,000  |
| Malabar            | 1,300   | 1,30,000  | 1,400   | 1,40,000  |
| Palakkad           | 1,400   | 1,40,000  | 1,500   | 1,50,000  |
| Pathanamthitta     | 1,100   | 1,10,000  | 1,200   | 1,20,000  |
| Thiruvananthapuram | 1,200   | 1,20,000  | 1,300   | 1,30,000  |
| Thiruvananthapuram | 1,300   | 1,30,000  | 1,400   | 1,40,000  |
| Trichur            | 1,400   | 1,40,000  | 1,500   | 1,50,000  |
| Wayanad            | 1,100   | 1,10,000  | 1,200   | 1,20,000  |
| Total              | 15,000  | 15,00,000 | 16,000  | 16,00,000 |

TABLE 5.2

## Number of Schools, Number of Scholars and Number of Teachers for General Education

| Type of Schools                      | DISTRICTS  |            |             |            |               |            |            |            |             |            |            |              |      |
|--------------------------------------|------------|------------|-------------|------------|---------------|------------|------------|------------|-------------|------------|------------|--------------|------|
|                                      | (1)        | (2)        | (3)         | (4)        | (5)           | (6)        | (7)        | (8)        | (9)         | (10)       | (11)       | (12)         | (13) |
|                                      | <i>IVM</i> | <i>QLN</i> | <i>ALPT</i> | <i>KTM</i> | <i>IDUKKI</i> | <i>EKM</i> | <i>TCR</i> | <i>PGT</i> | <i>MLPM</i> | <i>KQD</i> | <i>CNR</i> | <i>STATE</i> |      |
| <b>1. No. of Schools (Nos.)</b>      |            |            |             |            |               |            |            |            |             |            |            |              |      |
| (a) Lower Primary                    |            |            |             |            |               |            |            |            |             |            |            |              |      |
| 1967-68                              | 527        | 705        | 648         | 609        | 588           | 529        | 778        | 1452       | 1095        | 6931       |            |              |      |
| 1974-75                              | 534        | 706        | 643         | 519        | 196           | 522        | 561        | 833        | 878         | 1103       | 7041       |              |      |
| (b) Upper Primary                    |            |            |             |            |               |            |            |            |             |            |            |              |      |
| 1967-68                              | 188        | 258        | 222         | 231        | 219           | 210        | 278        | 432        | 441         | 2479       |            |              |      |
| 1974-75                              | 198        | 270        | 229         | 201        | 76            | 200        | 222        | 234        | 322         | 472        | 2639       |              |      |
| (c) High Schools                     |            |            |             |            |               |            |            |            |             |            |            |              |      |
| 1967-68                              | 121        | 160        | 158         | 167        | 188           | 146        | 92         | 126        | 104         | 1262       |            |              |      |
| 1974-75                              | 143        | 185        | 182         | 159        | 54            | 189        | 163        | 91         | 112         | 130        | 1503       |              |      |
| (d) Total 1967-68                    | 836        | 1123       | 1028        | 1007       | 995           | 885        | 1148       | 2010       | 1640        | 10672      |            |              |      |
| 1974-75                              | 875        | 1161       | 1054        | 879        | 326           | 911        | 946        | 1158       | 1312        | 1705       | 11183      |              |      |
| <b>2. No. of Scholars (in lakhs)</b> |            |            |             |            |               |            |            |            |             |            |            |              |      |
| (Section-wise)                       |            |            |             |            |               |            |            |            |             |            |            |              |      |
| (a) L. P. Section                    |            |            |             |            |               |            |            |            |             |            |            |              |      |
| 1967-68                              | 2.73       | 3.21       | 2.75        | 2.69       | NA            | 3.26       | 2.79       | 2.96       | 4.23        | 2.79       | 26.81      |              |      |
| 1974-75                              | 2.72       | 3.15       | 2.61        | 2.06       | 0.88          | 2.93       | 3.01       | 2.12       | 2.85        | 3.13       | 3.22       | 28.68        |      |
| (b) U. P. Section                    |            |            |             |            |               |            |            |            |             |            |            |              |      |
| 1967-68                              | 1.23       | 1.54       | 1.43        | 1.28       | 1.35          | 1.20       | 0.74       | 1.22       | 1.03        | 11.02      |            |              |      |
| 1974-75                              | 1.66       | 1.98       | 1.74        | 1.34       | 0.48          | 1.73       | 1.71       | 0.95       | 0.95        | 1.43       | 1.57       | 15.54        |      |

TABLE 5.2—(Contd.)

| (1)                       | (2)   | (3)   | (4)   | (5)   | (6)  | (7)   | (8)   | (9)   | (10)  | (11)  | (12)  | (13)   |
|---------------------------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|
| (c) H. S. Section         |       |       |       |       |      |       |       |       |       |       |       |        |
| 1967-68                   | 0.81  | 1.07  | 1.05  | 0.80  |      | 0.79  | 0.71  | 0.38  |       | 0.56  | 0.49  | 6.66   |
| 1974-75                   | 1.06  | 1.29  | 1.24  | 0.90  | 0.26 | 1.07  | 1.05  | 0.55  | 0.40  | 0.75  | 0.79  | 9.36   |
| (d) Total                 | 4.77  | 5.82  | 5.23  | 4.77  |      | 5.40  | 4.70  | 3.48  |       | 6.01  | 4.31  | 44.49  |
| 1974-75                   | 5.44  | 6.42  | 5.59  | 4.31  | 1.63 | 5.73  | 5.78  | 3.61  | 4.19  | 5.31  | 4.58  | 53.59  |
| 3. No. of Teachers (Nos.) |       |       |       |       |      |       |       |       |       |       |       |        |
| (Section-wise)            |       |       |       |       |      |       |       |       |       |       |       |        |
| (a) L. P. Section         |       |       |       |       |      |       |       |       |       |       |       |        |
| 1967-68                   |       |       |       |       |      |       | N.A.  |       |       |       |       |        |
| 1974-75                   | 6253  | 6792  | 6055  | 5056  | 1995 | 7181  | 8784  | 6355  | 7521  | 10344 | 10199 | 76275  |
| (b) U. P. Section         |       |       |       |       |      |       |       |       |       |       |       |        |
| 1967-68                   |       |       |       |       |      |       | N.A.  |       |       |       |       |        |
| 1974-75                   | 5289  | 6586  | 5517  | 4419  | 1566 | 4845  | 4924  | 3336  | 2951  | 4750  | 4990  | 49173  |
| (c) H. S. Section         |       |       |       |       |      |       |       |       |       |       |       |        |
| 1967-68                   | 3680  | 4519  | 4571  | 3280  | 882  | 3428  | 3598  | 2026  | 1266  | 2665  | 2901  | 32816  |
| 1974-75                   | 12956 | 16187 | 14925 | 13287 | 4243 | 14891 | 14963 | 11636 | 11738 | 18908 | 14542 | 132295 |
| (d) Total                 | 15222 | 17837 | 16143 | 13255 | 4243 | 15454 | 17606 | 11717 | 11738 | 17759 | 18090 | 158264 |

Faint, illegible text visible in the right margin of the page, possibly bleed-through from the reverse side.



The number of scholars for general education during 1974-75 was 53.59 lakhs as against 44.49 lakhs in 1967-68. The number of students for general education was maximum in Kozhikode District followed by Quilon and Alleppey Districts and the least number was in Palghat district during 1967-68. The maximum number of scholars in 1974-75 was in Quilon district followed by Trichur, Ernakulam and Alleppey districts and the minimum number was in Idukki district.

The number of scholars in the L. P. section was maximum in Kozhikode district in 1967-68, while it was highest in Cannanore district in 1974-75.

Similarly the minimum number of students in 1967-68 was in Palghat district. Quilon district has the maximum number of scholars in U. P. section in 1974-75 followed by Alleppey, Ernakulam and Trichur districts and the minimum number was in Idukki district. The number of scholars in the secondary section was maximum in Quilon district followed by Alleppey district and the minimum number was in Idukki district during 1974-75.

As regards the number of teachers in schools, Kozhikode district had the maximum number of teachers in 1967-68 followed by Quilon district, while it was minimum in Palghat district. During 1974-75 the number of teachers was maximum in Cannanore district followed by Quilon district and the least number was in Idukki district.

The number of schools per 100 school going children in the different districts of the State is furnished in the following Table.

TABLE 5.3  
Number of Schools per 100 school going children  
1962-63 to 1974-75

| Sl. No. | District      | No. of schools per 100 students |         |         |         |         |
|---------|---------------|---------------------------------|---------|---------|---------|---------|
|         |               | 1962-63                         | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
| 1.      | Trivandrum    | 0.19                            | 0.19    | 0.16    | 0.16    | 0.16    |
| 2.      | Quilon        | 0.22                            | 0.18    | 0.19    | 0.18    | 0.18    |
| 3.      | Alleppey      | 0.22                            | 0.20    | 0.20    | 0.19    | 0.19    |
| 4.      | Kottayam      | 0.24                            | 0.42    | 0.20    | 0.19    | 0.20    |
| 5.      | Idukki *      | ..                              | ..      | ..      | ..      | 0.20    |
| 6.      | Ernakulam     | 0.21                            | 0.18    | 0.17    | 0.16    | 0.16    |
| 7.      | Trichur       | 0.22                            | 0.19    | 0.17    | 0.16    | 0.16    |
| 8.      | Palghat       | 0.41                            | 0.33    | 0.26    | 0.24    | 0.24    |
| 9.      | Malappuram ** | ..                              | ..      | 0.30    | 0.27    | 0.28    |
| 10.     | Kozhikode     | 0.42                            | 0.38    | 0.31    | 0.30    | 0.31    |
| 11.     | Cannanore     | 0.47                            | 0.38    | 0.31    | 0.30    | 0.31    |
|         | State         | 0.28                            | 0.24    | 0.22    | 0.21    | 0.21    |

\* Idukki district was formed in 1972 only.

\*\* Malappuram district was formed in 1969 only.

The above Table shows that the number of schools per 100 school going children was maximum in Cannanore district during 1974-75. Palghat, Kozhikode, Malappuram and Cannanore districts have more number of schools in relation to students than the State value.

The subjoined table gives the number of students per lakh population in the various districts of the State during 1974-75.

TABLE 5.4

## Number of students per lakh population 1974-75

| Sl. No. | District   | Students per lakhs population |                     |                        | Total |
|---------|------------|-------------------------------|---------------------|------------------------|-------|
|         |            | Lower primary stage           | Upper primary stage | Higher secondary stage |       |
| 1.      | Trivandrum | 11402                         | 6820                | 4465                   | 22687 |
| 2.      | Quilon     | 12119                         | 7625                | 4974                   | 24718 |
| 3.      | Alleppey   | 11641                         | 7736                | 5515                   | 24892 |
| 4.      | Kottayam   | 12716                         | 8295                | 5561                   | 26572 |
| 5.      | Idukki     | 10464                         | 5723                | 3088                   | 19275 |
| 6.      | Ernakulam  | 12444                         | 7320                | 4555                   | 24319 |
| 7.      | Trichur    | 12664                         | 7200                | 4412                   | 24276 |
| 8.      | Palghat    | 11686                         | 5266                | 3010                   | 19962 |
| 9.      | Malappuram | 13800                         | 4592                | 1948                   | 20340 |
| 10.     | Kozhikode  | 13453                         | 6159                | 3203                   | 22815 |
| 11.     | Cannanore  | 12301                         | 5991                | 3019                   | 21311 |
|         | State      | 12339                         | 6673                | 4027                   | 23039 |

The above Table shows that 23% of the total population in the State are students for general education. The percentage of primary students (L. P. and U. P.) above was 19%. Kottayam district had the maximum percentage of students with 26.57% of the total population in the district. The least percentage was in Idukki district. Kottayam, Ernakulam, Trichur, Malappuram and Kozhikode districts have higher percentage of students in lower primary section in relation to population, than the State value. The number of students in upper primary stage was maximum in Kottayam district with 8.3% of the population in the district and minimum in Malappuram district with 4.59%. The number of students per lakh population in the higher secondary stage was highest in Kottayam district. Trivandrum, Quilon, Alleppey, Kottayam, Ernakulam and Trichur districts have higher percentage of students in relation to population than the State value.

The teacher-student ratio in L. P., U. P., and Higher Secondary stages is given in the following Table.

TABLE 5.5

## Teacher-student ratio in the different districts of the State 1974-75

| Sl. No. | District   | No. of students per teacher |               |                  |       |
|---------|------------|-----------------------------|---------------|------------------|-------|
|         |            | Lower primary               | Upper primary | Higher secondary | Total |
| 1.      | Trivandrum | 43.45                       | 30.73         | 28.91            | 35.52 |
| 2.      | Quilon     | 46.79                       | 30.09         | 28.61            | 36.02 |
| 3.      | Alleppey   | 43.12                       | 31.45         | 27.06            | 34.58 |
| 4.      | Kottayam   | 40.74                       | 30.41         | 27.41            | 32.46 |
| 5.      | Idukki     | 49.20                       | 30.85         | 29.55            | 38.34 |
| 6.      | Ernakulam  | 40.84                       | 35.61         | 31.32            | 36.92 |
| 7.      | Trichur    | 34.31                       | 38.80         | 29.19            | 32.84 |
| 8.      | Palghat    | 33.28                       | 28.57         | 26.89            | 30.84 |
| 9.      | Malappuram | 37.83                       | 32.09         | 31.73            | 35.73 |
| 10.     | Kozhikode  | 30.29                       | 30.20         | 27.99            | 29.94 |
| 11.     | Cannanore  | 31.58                       | 31.43         | 27.24            | 30.85 |
|         | State      | 37.60                       | 31.54         | 28.53            | 33.84 |

The number of students per teacher for general education in the State was 33.84 during 1974-75. The students per teacher was highest in Idukki district followed by Ernakulam district. Trivandrum, Quilon, Alleppey, Kottayam, Idukki, Ernakulam, Trichur and Kozhikode districts have higher ratio than the State value. *Malappuram*

The highest number of students per teacher in the primary stage was in Idukki district and lowest number was in Kozhikode district. The districts of Trivandrum, Quilon, Alleppey, Kottayam, Idukki, Ernakulam and Malappuram have higher number of students per teacher than the State value.

Malappuram district had the maximum number of students per teacher in the U. P. and Higher Secondary stages during 1974-75. Trivandrum, Quilon, Ernakulam, Trichur and Malappuram districts have higher number of students per teacher than the State value.

## 6. HEALTH

During the past few years of Planning Medical and Public Health activities in the State expanded considerably. The total number of medical institutions also increased substantially. The per capita Government expenditure on health services in Kerala was Rs. 9.23 in 1973-74 as against Rs. 8.42 for India as a whole. The per capita expenditure was highest in Nagaland with Rs. 47.67 followed by Meghalaya with Rs. 21.50 and least in Bihar during 1973-74. The number of beds per lakh population in Kerala was 99 in 1968 as against 57 for all India. The bed population ratio was highest in Nagaland and least in Bihar.

The total number of medical institutions (Modern medicine) increased from 518 in 1967-68 to 874 in 1973-74. The number of beds available in these institutions was 24106 in 1973-74 as against 20116 in 1967-68. Ayurvedic system of medicine and Homoeo system are also popular in the State and Government have started hospitals and dispensaries to cater to the needs of the people.

The growth in the number of medical institutions (modern medicine) in the State from 1967-68 to 1973-74 and their bed strength is given below.

TABLE 6.1

## Number of medical institutions (Modern Medicine) and bed strength

| Sl. No. | District   | No. of Institution |         |         | No. of beds |         |         |
|---------|------------|--------------------|---------|---------|-------------|---------|---------|
|         |            | 1967-68            | 1972-73 | 1973-74 | 1967-68     | 1972-73 | 1973-74 |
| 1.      | Trivandrum | 60                 | 85      | 86      | 4274        | 4940    | 4795    |
| 2.      | Quilon     | 52                 | 80      | 88      | 1260        | 1557    | 1617    |
| 3.      | Alleppey   | 51                 | 72      | 83      | 2525        | 3159    | 3249    |
| 4.      | Kottayam   | 53                 | 54      | 60      | 1403        | 1969    | 2000    |
| 5.      | Idikki     | ..                 | 35      | 41      | ..          | 265     | 261     |
| 6.      | Ernakulam  | 68                 | 83      | 88      | 2446        | 2608    | 2391    |
| 7.      | Trichur    | 53                 | 78      | 83      | 2863        | 3150    | 2925    |
| 8.      | Palghat    | 63                 | 71      | 78      | 1192        | 1071    | 1107    |
| 9.      | Malappuram | ..                 | 57      | 68      | ..          | 758     | 776     |
| 10.     | Kozhikode  | 66                 | 64      | 72      | 2804        | 3043    | 3170    |
| 11.     | Cannanore  | 52                 | 104     | 127     | 1399        | 1664    | 1815    |
|         | State      | 518                | 783     | 874     | 20166       | 24184   | 24106   |

During 1967-68 the number of medical institutions for modern medicine was maximum in Ernakulam district whereas in 1972-73 and 1973-74 the maximum number was in Cannanore district. During the five year period the number of institutions for modern medicine has been doubled in Cannanore district. During 1967-68, Alleppey district had the least number of medical institutions. After the formation of Idukki district in 1972, the number of institutions was least in Idukki district. Trivandrum district ranks first in regard to bed strength when compared to other districts. Idukki district had the least number of bed strength during 1972-73 and 1973-74.

The table below gives the number of medical institutions (Modern medicine) per lakh population during the year 1962-63 to 1973-74.

TABLE 6.2

**Number of Medical Institutions per lakh population  
(Modern Medicine)**

| Sl. No. | District   | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|---------|------------|---------|---------|---------|---------|
| 1.      | Trivandrum | 3.10    | 2.85    | 3.64    | 3.69    |
| 2.      | Quilon     | 2.06    | 2.22    | 3.19    | 3.46    |
| 3.      | Alleppey   | 2.31    | 2.46    | 3.30    | 3.76    |
| 4.      | Kottayam   | 2.25    | 2.55    | 3.42    | 3.76    |
| 5.      | Idikki     | ..      | ..      | 4.36    | 4.99    |
| 6.      | Ernakulam  | 3.17    | 3.15    | 3.68    | 3.82    |
| 7.      | Trichur    | 2.72    | 2.80    | 3.52    | 3.57    |
| 8.      | Palghat    | 2.78    | 3.16    | 4.07    | 4.39    |
| 9.      | Malappuram | ..      | ..      | 2.92    | 3.39    |
| 10.     | Kozhikode  | 2.61    | 2.13    | 2.89    | 3.17    |
| 11.     | Cannanore  | 1.56    | 2.44    | 4.18    | 4.98    |
|         | State      | 2.46    | 2.61    | 3.52    | 3.84    |

There were 3.84 medical institution per lakh population under modern system of medicine (private non-grant-in-aid institutions are excluded) during the year 1973-74 as against 2.46 in 1962-63. These institutions include Hospitals, dispensaries and T. B. centres, M. C. H. centres, Secondary health centres, P. H. centres, Mobile dispensaries, grant-in-aid institutions etc. The number of institutions per lakh population was highest in Idukki district with 4.99 followed by Cannanore district with 4.98 and Palghat district with 4.39 and lowest in Kozhikode district with 3.17. The percentage of medical institutions in relation to population was higher in Idukki, Palghat and Cannanore districts than the State value.

Considering the system of modern medicine (Government and subsidised medical institutions) the number of hospitals and dispensaries (Including T.B. centres) per lakh population was 3.09 for the State during 1973-74 as against 1.63 in 1962-63. The following table gives the number of hospitals and dispensaries per lakh population during 1962-63 to 1973-74.

TABLE 6.3  
 Number of hospitals and dispensaries (including T. B. Centres) per lakh population

| Sl. No. | District   | Hospitals |         |         |         | Dispensaries |         |         |         | Total   |         |         |         |
|---------|------------|-----------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|
|         |            | 1962-63   | 1967-68 | 1972-73 | 1973-74 | 1962-63      | 1967-68 | 1972-73 | 1973-74 | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
| 1       | Trivandrum | 0.71      | 0.67    | 0.64    | 0.64    | 1.25         | 1.00    | 1.97    | 2.10    | 1.96    | 1.67    | 2.61    | 2.74    |
| 2       | Quilon     | 0.39      | 0.38    | 0.44    | 0.43    | 0.93         | 1.02    | 1.96    | 2.24    | 1.32    | 1.40    | 2.40    | 2.67    |
| 3       | Alleppey   | 0.47      | 0.48    | 0.46    | 0.50    | 0.79         | 0.92    | 1.88    | 2.31    | 1.26    | 1.40    | 2.34    | 2.81    |
| 4       | Kottayam   | 0.27      | 0.48    | 0.70    | 0.70    | 1.48         | 1.25    | 1.77    | 2.13    | 1.75    | 1.73    | 2.47    | 2.83    |
| 5       | Idukki     | ..        | ..      | 0.25    | 0.24    | ..           | ..      | 3.61    | 4.26    | ..      | ..      | 3.86    | 4.50    |
| 6       | Ernakulam  | 0.72      | 0.79    | 0.75    | 0.74    | 1.43         | 1.35    | 2.08    | 2.34    | 2.15    | 2.14    | 2.83    | 3.08    |
| 7       | Trichur    | 0.75      | 0.85    | 0.77    | 0.77    | 0.98         | 0.90    | 1.80    | 1.98    | 1.73    | 1.75    | 2.57    | 2.75    |
| 8       | Palghat    | 0.43      | 0.55    | 0.52    | 0.51    | 1.50         | 1.76    | 2.86    | 3.21    | 1.93    | 2.31    | 3.40    | 3.72    |
| 9       | Malappuram | ..        | ..      | 0.31    | 0.35    | ..           | ..      | 2.00    | 2.39    | ..      | ..      | 2.31    | 2.74    |
| 10      | Kozhikode  | 0.59      | 0.36    | 0.40    | 0.40    | 1.17         | 0.94    | 1.76    | 2.12    | 1.76    | 1.30    | 2.16    | 2.52    |
| 11      | Cannanore  | 0.18      | 0.42    | 0.40    | 0.43    | 0.94         | 1.41    | 3.26    | 4.00    | 1.12    | 1.83    | 3.66    | 4.43    |
|         | State      | 0.48      | 0.54    | 0.53    | 0.53    | 1.15         | 1.16    | 2.20    | 2.56    | 1.63    | 1.70    | 2.73    | 3.09    |

The number of hospitals and dispensaries per 10 lakh population was 31 in 1973-74 as against 27 in 1972-73. The districts of Idukki, Palghat and Cannanore have higher number of hospitals and dispensaries in relation to population than the State value during 1973-74.

The number of beds available per lakh of population in the Government and subsidised medical institutions (modern medicine) in the State during 1973-74 was 106. The distribution of the number of beds per lakh population in the different districts of the State is as follows:—

TABLE 6.4  
Number of beds per lakh population—Modern Medicine  
1962-63 to 1973-74

| Sl. No. | Districts  | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|---------|------------|---------|---------|---------|---------|
| 1       | Trivandrum | 202     | 199     | 216     | 206     |
| 2       | Quilon     | 49      | 53      | 62      | 62      |
| 3       | Alleppey   | 103     | 120     | 145     | 147     |
| 4       | Kottayam   | 46      | 66      | 125     | 125     |
| 5       | Idukki     | ..      | ..      | 33      | 32      |
| 6       | Ernakulam  | 110     | 112     | 116     | 104     |
| 7       | Trichur    | 131     | 150     | 142     | 126     |
| 8       | Palghat    | 49      | 60      | 61      | 62      |
| 9       | Malappuram | ..      | ..      | 39      | 39      |
| 10      | Kozhikode  | 73      | 89      | 137     | 139     |
| 11      | Cannanore  | 50      | 65      | 67      | 71      |
|         | State      | 89      | 99      | 108     | 106     |

The number of beds per lakh population was 106 in 1973-74 as against 89 in 1962-63 and 99 in 1967-68. The availability of beds came to 206 per lakh population in Trivandrum district which was very much higher than the number available in the other districts of the State. Trivandrum, Alleppey, Kottayam and Kozhikode districts have more number of beds per lakh population than the State average. This is due to the existence of Medical Colleges in these districts. Idukki and Malappuram districts have very low ratio.

Indigenous system of medicine is also very popular in the State. The district-wise distribution of institutions and beds under the Indigenous system of medicine is given in the subjoined table.

TABLE 6.5

**Distribution of Medical Institutions and beds under the  
Indigenous (Ayurvedic and Homoeopathi system)**

| Sl.<br>No. | District   | No. of Institutions<br>(Hospitals & Dispensaries) |         | No. of beds |         |
|------------|------------|---|---------|-------------|---------|
|            |            | 1967-68   | 1972-73 | 1967-68     | 1972-73 |
| 1          | Trivandrum | 24  | 38      | 50          | 430     |
| 2          | Quilon     | 30  | 40      | 50          | 70      |
| 3          | Alleppey   | 34  | 44      | 60          | 96      |
| 4          | Kottayam   | 23  | 27      | 150         | 186     |
| 5          | Idukki     | ..  | 16      | ..          | 10      |
| 6          | Ernakulam  | 37  | 39      | 78          | 179     |
| 7          | Trichur    | 54  | 64      | 103         | 154     |
| 8          | Palghat    | 30  | 36      | 50          | 50      |
| 9          | Malappuram | ..  | 31      | ..          | 36      |
| 10         | Kozhikode  | 23  | 32      | 40          | 60      |
| 11         | Cannanore  | 22  | 46      | 30          | 101     |
| State      |            | 277   | 413     | 611         | 1372    |

The number of hospitals under the indigenous system of medicine in the State has increased from 41 in 1967-68 to 66 in 1972-73 and that of the dispensaries increased from 236 in 1967-68 to 347 in 1972-73. There was 61% increase in the number of hospitals and 41% increase in the number of dispensaries during the five year period. The total number of hospitals and dispensaries was 413 in 1972-73 as against 277 in 1967-68. During 1973-74 the maximum number of Institutions under Indigenous system of medicine was in Trichur district followed by Cannanore and Alleppey districts. The least number was in Idukki district.

As regards the number of beds it can be seen that Trivandrum district has the maximum number with 31.35% and Idukki district has the minimum number with 0.73% just below Malappuram district with 2.62%. Trivandrum, Kottayam, Ernakulam and Trichur districts have higher number of beds than the State average. Idukki and Malappuram districts have very small number of beds when compared to other districts of the State.

The total number of medical Institutions and beds available in the Government and subsidised medical Institutions (Modern Medicine and Indigenous) in the State during 1972-73 was 1196 and 25556 respectively as against 795 and 20777 respectively in 1967-68. The number of medical institutions was highest in Cannanore district followed by Trichur and Trivandrum Districts and the least number was in Idukki district just below Malappuram district. With regard to the number of beds Trivandrum district has the highest rank and Idukki district has the lowest position.



The table below gives the number of medical Institutions and beds in the Government and grant in aid Institutions in Kerala during 1967-68 and 1972-73.

**TABLE 6.6**  
**Number of medical Institutions (Modern Medicine and Indigenous)**

| Sl. No. | District   | Number of Institutions |         | No. of beds |         |
|---------|------------|------------------------|---------|-------------|---------|
|         |            | 1967-68                | 1972-73 | 1967-68     | 1972-73 |
| 1       | Trivandrum | 84                     | 123     | 4324        | 5370    |
| 2       | Quilon     | 82                     | 120     | 1310        | 1627    |
| 3       | Alleppey   | 85                     | 116     | 2585        | 3255    |
| 4       | Kottayam   | 76                     | 81      | 1553        | 2155    |
| 5       | Idukki     | ..                     | 51      | ..          | 275     |
| 6       | Ernakulam  | 105                    | 122     | 2524        | 2787    |
| 7       | Trichur    | 107                    | 142     | 2966        | 3304    |
| 8       | Palghat    | 93                     | 107     | 1242        | 1121    |
| 9       | Malappuram | ..                     | 88      | ..          | 794     |
| 10      | Kozhikode  | 89                     | 96      | 2844        | 3103    |
| 11      | Cannanore  | 74                     | 150     | 1429        | 1765    |
| State   |            | 795                    | 1196    | 20777       | 25556   |

In addition to the Government and grant-in-aid medical Institutions there are a good number of private medical Institutions functioning in the State. Their details are not available at present.

The number of medical institutions and beds per lakh population in the Government and subsidised medical Institutions (Modern medicine and Indigenous) are furnished in the table below.

**TABLE 6.7**  
**Number of medical Institutions and beds per lakh population (Modern Medicine and Indigenous)**

| Sl. No. | District   | Institutions |         | Beds    |         |
|---------|------------|--------------|---------|---------|---------|
|         |            | 1967-68      | 1972-73 | 1967-68 | 1972-73 |
| 1       | Trivandrum | 4.00         | 5.27    | 206     | 235     |
| 2       | Quilon     | 3.50         | 4.79    | 56      | 65      |
| 3       | Alleppey   | 4.09         | 5.31    | 125     | 149     |
| 4       | Kottayam   | 3.65         | 5.13    | 75      | 136     |
| 5       | Idukki     | ..           | 6.35    | ..      | 34      |
| 6       | Ernakulam  | 4.87         | 5.41    | 117     | 124     |
| 7       | Trichur    | 5.66         | 6.41    | 157     | 149     |
| 8       | Palghat    | 4.67         | 6.13    | 62      | 64      |
| 9       | Malappuram | ..           | 4.50    | ..      | 41      |
| 10      | Kozhikode  | 2.87         | 4.33    | 92      | 140     |
| 11      | Cannanore  | 3.47         | 6.03    | 67      | 71      |
| State   |            | 4.00         | 5.38    | 105     | 115     |

The number of medical Institutions in the Government and grant-in-aid Institutions (Modern medicine and Indigenous) in the State per lakh population was 5.38 in 1972-73 as against 4.00 in 1967-68. Trivandrum, Idukki, Ernakulam, Trichur, Palghat and Cannanore districts have more number of medical Institutions in relation to population than the State average in 1972-73. The number of beds available per lakh population for the State was 115 in 1972-73 as against 105 in 1967-68. Trivandrum, Alleppey, Kottayam, Ernakulam, Trichur and Kozhikode districts have more beds than the State average. Idukki and Malappuram districts have only very few beds in relation to population.

#### Family Planning.

There were 211 family planning centres in Kerala during 1973-74. They include Urban Family Welfare Centres, Female Sterilisation Ward, Rural Family Welfare Centres Sterilisation Units, Mobile Sterilisation Units and Mobile I.U.C.D. Units. The number of family planning centres per lakh population in the State during 1973-74 was 0.93 as against 0.99 in 1972-73, 1.07 in 1967-68 and 1.08 during 1962-63.

The achievements in family planning programme in the different districts of the State is furnished in the following table.

TABLE 6.8

#### Achievements in family planning programme

| Sl. No. | Districts  | 1967-68       |          | 1972-73       |          | 1974-75       |          |
|---------|------------|---------------|----------|---------------|----------|---------------|----------|
|         |            | Sterilisation | I.U.C.D. | Sterilisation | I.U.C.D. | Sterilisation | I.U.C.D. |
| 1       | Trivandrum | 10451         | 6963     | 7307          | 3459     | 8110          | 3471     |
| 2       | Quilon     | 8478          | 5554     | 16955         | 3419     | 10460         | 3784     |
| 3       | Alleppey   | 8180          | 6109     | 2486          | 3893     | 3354          | 3708     |
| 4       | Kottayam   | 5828          | 3872     | 15263         | 2597     | 6098          | 2014     |
| 5       | Idukki     |               |          |               |          |               |          |
| 6       | Ernakulam  | 7633          | 3998     | 19258         | 2541     | 4672          | 1405     |
| 7       | Trichur    | 6671          | 3220     | 3997          | 1393     | 4904          | 1669     |
| 8       | Palghat    | 3994          | 4239     | 11283         | 1338     | 1072          | 1701     |
| 9       | Malappuram | ..            | ..       | 1453          | 1540     | 1570          | 1600     |
| 10      | Kozhikode  | 9090          | 2236     | 5523          | 766      | 6874          | 892      |
| 11      | Cannanore  | 4830          | 1362     | 6864          | 2498     | 3378          | 1489     |
|         | State      | 65155         | 37553    | 90389         | 23444    | 50492         | 21733    |

The above table shows that there was increase in Sterilisation operation during 1972-73 over 1967-68, but again declined in 1973-74, over 1972-73. During 1972-73 sterilisation operations were maximum in Ernakulam district followed by Quilon district and minimum in Malappuram district. But in 1973-74 sterilisation operations were maximum in Quilon district and minimum in Malappuram district.

The district-wise achievements in family planning programme per lakh population is presented in table 6.9.

TABLE 6.9

## District-wise achievements in Family Planning Programme per lakh Population

| Sl. No. | District   | 1967-68       | 1972-73       | 1973-74       | Cumulative total for the period from 1967-68 to 1973-74 |
|---------|------------|---------------|---------------|---------------|---|
|         |            | Sterilisation | Sterilisation | Sterilisation | Sterilisation   |
| (1)     |            | (2)           | (3)           | (4)           | (5)   |
| 1       | Trivandrum | 337           | 313           | 348           | 3455  |
| 2       | Quilon     | 362           | 677           | 411           | 2594  |
| 3       | Alleppey   | 394           | 114           | 152           | 1865  |
| 4       | Kottayam   | 280           | 710           | 280           | 2265  |
| 5       | Idukki     |               |               |               |   |
| 6       | Ernakulam  | 354           | 774           | 184           | 5436  |
| 7       | Trichur    | 353           | 180           | 211           | 2364  |
| 8       | Palghat    | 201           | 646           | 60            | 1447  |
| 9       | Malappuram | ..            | 74            | 78            | 312*  |
| 10      | Kozhikode  | 293           | 249           | 303           | 2126  |
| 11      | Cannanore  | 227           | 276           | 133           | 1880  |
| State   |            | 328           | 407           | 222           | 2456  |

\* figure relates to the year 1970-71 to 1973-74 only. Separate figures prior to 1970-71 is not available.

## 7. TRANSPORT AND COMMUNICATIONS

The total length of Railways in Kerala was only 896 kms. during 1967 as against 57515 kms. for the country as a whole. This forms only 1.55% of the total length of the Indian Railways. As regards route length per 1000 sq. kms. of area, Kerala has only 23 kms., whereas Punjab has 42 kms., West Bengal 35 kms., Haryana 32 kms., Bihar 30 kms., Gujarat and U.P. 29 kms. each and Tamil Nadu 28 kms. The length of railways in Kerala has remained stationary for a number of years.

The length of railways per 1000 sq. kms. of area in Kerala during 1974 is given in the following table.

TABLE 7.1  
Length of Railways per 1000 sq. kms. of Area, 1974

| Sl. No. | District   | Railway length | Railways per 1000 Sq. Kms. Area (KM) |
|---------|------------|----------------|--------------------------------------|
| 1       | Trivandrum | 48             | 21.95                                |
| 2       | Quilon     | 128            | 27.05                                |
| 3       | Alleppey   | 54             | 29.45                                |
| 4       | Kottayam   | 49             | 7.70*                                |
| 5       | Ernakulam  | 78             | 23.36                                |
| 6       | Trichur    | 69             | 23.43                                |
| 7       | Palghat    | 149            | 29.06                                |
| 8       | Kozhikode  | 157            | 23.59                                |
| 9       | Cannanore  | 137            | 24.14                                |
| Kerala  |            | 896            | 23.06                                |

\* Prior to the formation of Idukki District.

It is seen that Kozhikode district had the highest length of railways during 1969. But after the formation of Malappuram district the position has been changed. Now Palghat district has the highest length of railways and Kottayam district has the least length. Idukki district has no railways at present. Railways serves satisfactorily only in Quilon, Palghat, Trichur, Kozhikode and Cannanore districts.

With regard to road mileage Kerala holds comparatively a high place in terms of area. But in relation to population the position is not so satisfactory.

The road mileage in Kerala (excluding roads maintained by Panchayats, C.D. Blocks and Irrigation department) was 19103 kms. during 1972-73 as against 18037 kms. in 1967-68.

The length of roads per 100 sq. kms. of area during 1972-73 is furnished in the subjoined table.

TABLE 7.2

**Length of roads\* per 100 Sq. Kms. of Area 1972-73**

| <i>Sl. No.</i> | <i>District</i> | <i>Length of Roads (Kms.)</i> | <i>Roads per 100 Sq. Kms. of Area (Kms.)</i> | <i>Surface Roads per 100 Sq. Kms. of Area (Kms.)</i> |
|----------------|-----------------|-------------------------------|--|--|
| 1              | Trivandrum      | 1729.71                       | 78.64  | 68.95  |
| 2              | Quilon          | 2478.34                       | 53.87  | 40.89  |
| 3              | Alleppey        | 1360.41                       | 71.58  | 50.53  |
| 4              | Kottayam        | 1781.35                       | 80.95  | 69.27  |
| 5              | Idukki          | 1506.65                       | 29.55  | 21.10  |
| 6              | Ernakulam       | 2362.30                       | 98.42  | 74.46  |
| 7              | Trichur         | 1738.46                       | 57.97  | 50.57  |
| 8              | Palghat         | 1369.73                       | 37.27  | 29.25  |
| 9              | Malappuram      | 1050.94                       | 29.19  | 24.22  |
| 10             | Kozhikode       | 1504.69                       | 40.68  | 30.05  |
| 11             | Cannanore       | 1949.97                       | 34.21  | 23.39  |
|                | State           | 19102.55                      | 49.11  | 38.21  |

\*Excluding roads maintained by Panchayats, N.E.S. Blocks and Irrigation Department. Variation in length of roads is due to transfer of roads to Panchayats and Municipalities.

The road mileage is greatest in Quilon district and least in Malappuram district. There was 49.11 kms. of roads per 100 sq. kms. in the State. This is inclusive of National and State highways. Surfaced roads formed 38.11 kms. per 100 sq. kms. Considering roads per 100 sq. kms. of area, Ernakulam district has the greatest mileage with 98.42 kms. followed by Kottayam district with 80.95 kms. and least in Malappuram district with 29.19 kms. just below Idukki district with 29.55 kms. Trivandrum, Quilon, Alleppey, Kottayam, Ernakulam & Trichur districts have higher road mileage per 100 sq. kms. of area than the State ratio. With regard to surface roads, Ernakulam district has the maximum road mileage per 100 sq. kms. of area with 74.46 kms. followed by Trivandrum district with 68.95 kms. and Kottayam with 69.27 kms. and minimum in Idukki district with 21.10 kms. just below Cannanore district with 23.39 kms. The districts of Trivandrum, Quilon, Alleppey, Kottayam, Ernakulam and Trichur have higher surface roads per sq. kms. than the State average.

There were 104465 motor vehicles in the State having valid registration at the end of 1973-74. The distribution of these vehicles in the different districts of the State is as follows.

TABLE 7.3

## Number of Motor Vehicles having valid registration as on 31-3-1974

| Sl. No. | District   | Goods vehicles: | Stage carriers | Taxi Cars | Motor Cars | Motor Cycles | Auto-Rikshas | Tractor Trailors | Jeeps | Others | Total  |
|---------|------------|-----------------|----------------|-----------|------------|--------------|--------------|------------------|-------|--------|--------|
| 1.      | Trivandrum | 2520            | 2631           | 1214      | 7081       | 4849         | 3            | 28               | 1024  | 846    | 20246  |
| 2.      | Quilon     | 1607            | 342            | 1424      | 4069       | 1497         | 2            | 68               | 424   | ..     | 9433   |
| 3.      | Alleppey   | 752             | 402            | 902       | 2223       | 1405         | 13           | 71               | 90    | 5      | 5863   |
| 4.      | Kottayam   | 1100            | 497            | 1124      | 5605       | 3103         | 113          | 186              | 676   | 208    | 12612  |
| 5.      | Idukki     | 382             | 34             | 497       | 765        | 313          | ..           | 221              | 356   | 132    | 2750   |
| 6.      | Ernakulam  | 2234            | 573            | 1539      | 6471       | 3238         | 453          | 271              | 360   | 20     | 15179  |
| 7.      | Palghat    | 755             | 293            | 937       | 2451       | 1401         | 259          | 935              | 249   | 156    | 7439   |
| 8.      | Trichur    | 1280            | 653            | 1140      | 2579       | 2170         | 51           | 289              | 169   | 39     | 8370   |
| 9.      | Malappuram | 496             | 234            | 548       | 880        | 317          | ..           | 184              | 68    | 39     | 2766   |
| 10.     | Kozhikode  | 1849            | 596            | 488       | 4370       | 2143         | 471          | 264              | 1676  | 349    | 12206  |
| 11.     | Cannanore  | 946             | 490            | 904       | 3058       | 1056         | 593          | 131              | 370   | 53     | 7601   |
|         | State      | 13921           | 6795           | 10737     | 39552      | 21492        | 1958         | 2648             | 5512  | 1850   | 104465 |

The number of motor vehicles was highest in Trivandrum district with 20% of the total vehicles followed by Ernakulam district with 15% and Kozhikode district with 12% and least in Idukki district with less than 3%. In the case of goods vehicles Ernakulam district had the maximum number and Idukki district had the least number.

The number of motor vehicles per lakh population in the different districts of the State is as furnished below.

TABLE 7.4

## Number of Motor Vehicles per lakh population in 1970-71 and 1973-74

| Sl. No. | District   | Total number of Motor vehicles per lakh population |         | Number of commercial (Goods vehicles) vehicles per lakh population |         |
|---------|------------|--|---------|--|---------|
|         |            | 1970-71  | 1973-74 | 1970-71  | 1973-74 |
| 1.      | Trivandrum | 744  | 868     | 101  | 108     |
| 2.      | Quilon     | 327  | 370     | 53   | 63      |
| 3.      | Alleppey   | 266  | 266     | 35   | 34      |
| 4.      | Kottayam   | 525  | 790     | 83   | 69      |
| 5.      | Idukki     | ..   | 335     | ..   | 47      |
| 6.      | Ernakulam  | 528  | 659     | 96   | 97      |
| 7.      | Trichur    | 310  | 320     | 52   | 32      |
| 8.      | Palghat    | 368  | 471     | 53   | 72      |
| 9.      | Malappuram | 143  | 138     | 29   | 25      |
| 10.     | Kozhikode  | 455  | 538     | 72   | 82      |
| 11.     | Cannanore  | 227  | 298     | 37   | 37      |
|         | Total      | 404  | 459     | 62   | 61      |

The number of motor vehicles per lakh population was 459 in 1973-74 as against 404 in 1970-71. The motor vehicles per lakh of population was highest in Trivandrum district and lowest in Malappuram district during 1970-71 and 1973-74. The districts of Trivandrum, Kottayam, Ernakulam, Palghat and Kozhikode have more motor vehicles per lakh population than the State average. As regards the number of commercial vehicles (Goods vehicles) per lakh population it is seen that Trivandrum district had the highest number with 108 and Malappuram district had the least number with 25. Trivandrum, Quilon, Kottayam, Ernakulam, Palghat and Kozhikode districts have higher number of Commercial Vehicles (Goods vehicles) per lakh population than the state average. The position with regard to Malappuram, Trichur, Alleppey and Cannanore districts is not satisfactory.

The number of Post Offices per lakh population in the different districts of the state during 1973-74 is as follows:

TABLE 7.5

## Number of Post Offices per lakh population 1973-74

| Sl. No. | District   | Number of Post Offices per lakh Population |
|---------|------------|--|
| 1.      | Trivandrum | 16   |
| 2.      | Quilon     | 14   |
| 3.      | Alleppey   | 17   |
| 4.      | Kottayam   | 23   |
| 5.      | Idukki     | 16   |
| 6.      | Ernakulam  | 17   |
| 7.      | Trichur    | 18   |
| 8.      | Palghat    | 22   |
| 9.      | Malappuram | 17   |
| 10.     | Kozhikode  | 19   |
| 11.     | Cannanore  | 19   |
|         | State      | 18   |

The number of Post Offices per lakh population was highest in Kottayam district with 23 followed by Palghat district with 22 and least in Quilon district with 16 during 1973-74. Kottayam, Trichur, Palghat, Kozhikode and Cannanore districts have more number of Post Offices per lakh population than the State average. There is not much differences in this regard between districts.

The number of Radio sets per lakh population during 1970-71 is as follows:

TABLE 7.6

## Number of Radio sets per lakh population 1970-71

| <i>Sl. No.</i> | <i>Districts</i> | <i>No. of Radio sets per lakh population</i> |
|----------------|------------------|--|
| 1.             | Trivandrum       |  |
| 2.             | Quilon           | 1457   |
| 3.             | Alleppey         | 1057   |
| 4.             | Kottayam         | 1064   |
| 5.             | Ernakulam        | 1115   |
| 6.             | Trichur          | 1699   |
| 7.             | Palghat          | 1451   |
| 8.             | Malappuram       | 1947   |
| 9.             | Kozhikode        | 790  |
| 10.            | Cannanore        | 903  |
|                |                  | 1228   |
|                | State            | 1339   |

The number of Radio sets per lakh population was highest in Palghat district and lowest in Malappuram district. Trivandrum, Ernakulam, Trichur and Palghat districts have higher per capita Radio sets than the State value.

## 8. BANKING

The pace of economic development depends on the rate of savings, the rate of investment and the input-output ratio. The principal objective of our planning is the promotion of rapid rate of economic growth for the establishment of a socialistic society. Monetisation proceeds with the process of industrialisation and expansion in the size of marketable surplus. One of the most important functions of the banking system is to mobilise the savings of the community and induce the people to hold their savings in the form of bank deposits. The efficiency of the banking system has to be judged from the rate of savings, the rate of investment and the pattern of investment. Better Banking facilities in a region could help the economic development of that region.

The number of scheduled commercial Banking offices functioning in each district and the position of deposits and advances in these Banks are given below,

TABLE 8.1

## Details of Scheduled Commercial Banks in Kerala

(Amount Rs. in lakhs)

| Sl.No. | District   | Position as on last Friday of<br>December 1972 |                   |                   | Position as on last Friday of<br>December 1973 |                   |                   |
|--------|------------|--|-------------------|-------------------|--|-------------------|-------------------|
|        |            | No. of<br>Offices                              | Deposits          | Advances          | No. of<br>Offices                              | Deposits          | Advances          |
| 1.     | Trivandrum | 91<br>(9.61)                                   | 3792<br>(15.33)   | 1887<br>(10.79)   | 105<br>(10.11)                                 | 4777<br>(15.06)   | 2576<br>(12.28)   |
| 2.     | Quilon     | 75<br>(7.92)                                   | 1908<br>(7.71)    | 1954<br>(11.17)   | 84<br>(8.08)                                   | 2684<br>(8.46)    | 2127<br>(9.48)    |
| 3.     | Alleppey   | 78<br>(8.24)                                   | 2256<br>(9.12)    | 1183<br>(6.76)    | 89<br>(8.57)                                   | 3033<br>(9.56)    | 1446<br>(6.44)    |
| 4.     | Kottayam   | 82<br>(8.66)                                   | 1933<br>(7.82)    | 1061<br>(6.07)    | 95<br>(9.14)                                   | 2501<br>(7.89)    | 1395<br>(6.21)    |
| 5.     | Idukki     | 26<br>(2.74)                                   | 279<br>(1.13)     | 91<br>(0.52)      | 30<br>(2.89)                                   | 367<br>(1.16)     | 149<br>(0.66)     |
| 6.     | Ernakulam  | 164<br>(17.32)                                 | 6355<br>(25.61)   | 6231<br>(35.63)   | 175<br>(16.84)                                 | 7637<br>(24.08)   | 8197<br>(36.51)   |
| 7.     | Trichur    | 133<br>(14.04)                                 | 2690<br>(10.88)   | 1281<br>(7.33)    | 140<br>(13.47)                                 | 3535<br>(11.15)   | 1773<br>(7.90)    |
| 8.     | Palghat    | 84<br>(8.87)                                   | 1808<br>(7.31)    | 537<br>(3.07)     | 86<br>(8.28)                                   | 2370<br>(7.47)    | 705<br>(3.14)     |
| 9.     | Malappuram | 42<br>(4.43)                                   | 391<br>(1.58)     | 272<br>(1.56)     | 46<br>(4.43)                                   | 544<br>(1.72)     | 369<br>(1.64)     |
| 10.    | Kozhikode  | 76<br>(8.03)                                   | 1566<br>(6.33)    | 1698<br>(9.71)    | 86<br>(8.28)                                   | 2015<br>(6.36)    | 1810<br>(8.06)    |
| 11.    | Cannanore  | 96<br>(10.14)                                  | 1776<br>(7.18)    | 1292<br>(7.39)    | 103<br>(9.91)                                  | 2247<br>(7.09)    | 1723<br>(7.68)    |
|        | State      | 947<br>(100.00)                                | 24733<br>(100.00) | 17487<br>(100.00) | 1039<br>(100.00)                               | 31710<br>(100.00) | 22450<br>(100.00) |

The figures in brackets are percentages to total

The above table shows that the maximum number of banking offices are in Ernakulam district (17%) followed by Trichur district (13%) and least in Idukki district (3%). In the case of deposit and advances also Ernakulam district stands first and Idukki district the last. Banking Offices have a tendency to cluster around the already developed areas. Trivandrum, Ernakulam, Trichur, Kottayam, Kozhikode, Quilon and Alleppey districts are well served in this regard.



The number of persons per banking offices and the per capita Bank deposits in the scheduled commercial banks in the different districts of the State are given below:

TABLE 3.2

**Number of persons per Banking office and per capita Bank Deposits**

| <i>District</i> | <i>No. of persons per Banking offices<br/>(persons in thousands)</i> |   | <i>Per capita Bank Deposits<br/>(Rs.)</i> |   |
|-----------------|--|---|---|---|
|                 | <i>Last Friday of<br/>December 1972</i>                              | <i>Last Friday of<br/>December 1973</i> | <i>Last Friday of<br/>December 1972</i>   | <i>Last Friday of<br/>December 1973</i> |
| Trivandrum      | 25   | 22                                      | 165.75                                    | 204.76                                  |
| Quilon          | 33   | 30                                      | 76.20                                     | 105.38                                  |
| Alleppey        | 28   | 25                                      | 103.30                                    | 137.24                                  |
| Kottayam        | 20   | 17                                      | 122.42                                    | 156.70                                  |
| Idukki          | 31   | 27                                      | 34.74                                     | 44.65                                   |
| Ernakulam       | 14   | 13                                      | 280.68                                    | 331.61                                  |
| Trichur         | 17   | 16                                      | 121.34                                    | 151.85                                  |
| Palghat         | 20   | 21                                      | 103.55                                    | 133.45                                  |
| Malappuram      | 48   | 43                                      | 20.01                                     | 27.12                                   |
| Kozhikode       | 29   | 27                                      | 70.70                                     | 88.81                                   |
| Cannanore       | 26   | 24                                      | 71.34                                     | 88.15                                   |
| State           | 23   | 22                                      | 111.23                                    | 139.45                                  |

The number of Banking offices in relation to population is lowest in Malappuram district and highest in Ernakulam district. Trivandrum, Kottayam, Ernakulam, Trichur and Palghat districts have more Banking offices in relation to population than the State value. Similarly per capita Bank deposits is greater than the State value in Trivandrum, Kottayam, Ernakulam and Trichur districts.

## 9. CONCLUSION

The analysis of available data reveal that there are marked differences in the level of development of the different regions of the country and also of different districts of the State. In all our Five Year Plans due emphasis have been given for the reduction in differences in the level of development between regions.

It is seen that the disparities in the level of development in the different districts of State have been reduced to a certain extent in recent years due to the implementation of various development schemes in the backward area of the State. Further measures are needed to improve the level of development of the backward areas.

The important indicators of Regional Development in the State for the latest available year are as follows.

TABLE 9.1  
INDICATORS OF REGIONAL DEVELOPMENT

| Sl. No. | Item  | Districts |        |          |          |        |           |         |         |            |           |           |       |  |  | STATE |
|---------|---|-----------|--------|----------|----------|--------|-----------|---------|---------|------------|-----------|-----------|-------|--|--|-------|
|         |   | (3)       | (4)    | (5)      | (6)      | (7)    | (8)       | (9)     | (10)    | (11)       | (12)      | (13)      | (14)  |  |  |       |
|         | Triandrum   |           | Quntin | Alleppey | Kottayam | Idukki | Ernakulam | Trichur | Palghat | Malappuram | Kozhikode | Cannanore |       |  |  |       |
| 1.      | Percentage of Urban population to total population (1971) | 26.00     | 7.87   | 16.92    | 13.56    | 3.30   | 29.39     | 11.74   | 12.70   | 6.73       | 26.66     | 13.74     | 16.24 |  |  |       |
| 2.      | Population Density (1971) Census                          | 1003      | 522    | 1128     | 701      | 151    | 910       | 702     | 383     | 510        | 565       | 415       | 549   |  |  |       |
| 2.1     | Urban (1971)  | 3676      | 4820   | 2562     | 1065     | 902    | 5944      | 2464    | 1841    | 1603       | 2819      | 1794      | 2584  |  |  |       |
| 2.2     | Rural (1971)  | 799       | 485    | 1013     | 665      | 146    | 673       | 641     | 343     | 486        | 438       | 369       | 477   |  |  |       |
| 2.3     | Percentage of Sch. Castes to total population (1971)      | 9.72      | 11.63  | 9.44     | 6.14     | 12.78  | 8.45      | 10.16   | 12.51   | 7.59       | 3.62      | 2.44      | 8.30  |  |  |       |
| 2.4     | Percentage of Sch. Tribes to total population (1971)      | 0.50      | 0.15   | 0.02     | 0.72     | 3.03   | 0.03      | 0.44    | 1.52    | 0.48       | 4.03      | 3.82      | 1.26  |  |  |       |
| 3.      | Percentage of Urban area (1971)                           | 7.09      | 0.85   | 7.45     | 8.93     | 0.55   | 4.50      | 3.34    | 2.64    | 2.14       | 5.34      | 3.17      | 3.45  |  |  |       |
| 4.      | Percentage of workers (1971 Census)                       | 28.58     | 28.61  | 28.15    | 27.33    | 34.62  | 28.71     | 28.35   | 35.89   | 27.08      | 26.92     | 30.21     | 29.12 |  |  |       |
| 4.1     | Of which Agrl. labourers (1971)                           | 29.85     | 20.81  | 30.66    | 28.09    | 22.46  | 21.94     | 32.84   | 48.42   | 39.12      | 26.34     | 33.92     | 30.69 |  |  |       |
| 4.2     | Cultivators (1971)  | 14.05     | 26.89  | 16.01    | 24.65    | 25.56  | 12.84     | 13.65   | 15.74   | 18.84      | 14.57     | 18.31     | 17.80 |  |  |       |
| 4.3     | Of manufacturing industrial workers *(1971)               | 17.20     | 21.82  | 17.31    | 10.96    | 4.62   | 20.98     | 16.67   | 11.30   | 9.95       | 13.76     | 16.40     | 15.73 |  |  |       |

\*Household industry and in manufacturing other than household industry.

TABLE 9.1 (Contd.)

| (1)  | (2)  | (3)   | (4)    | (5)   | (6)   | (7)    | (8)    | (9)   | (10)  | (11)  | (12)  | (13)  | (14)  |
|------|--|-------|--------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 5.   | Per capita cropped area 1973-74 (Ares)                                       | 10.47 | 14.58  | 10.86 | 16.93 | 20.83  | 9.78   | 10.56 | 19.32 | 12.96 | 12.27 | 13.73 | 13.16 |
| 6.   | Per capita cultivable area (1973-74) (in Ares)                               | 6.61  | 9.18   | 7.83  | 12.07 | 22.54  | 8.44   | 6.27  | 17.11 | 12.20 | 8.04  | 16.32 | 10.67 |
| 7.   | Percentage of net area sown to total cropped area                            | 62.33 | 61.82  | 67.88 | 67.58 | 97.06  | 81.97  | 56.35 | 85.19 | 81.17 | 59.51 | 90.47 | 73.42 |
| 7.1  | Percentage of area sown under commercial crops to total cropped area 1973-74 | 40.37 | 47.19  | 40.31 | 54.28 | 70.79  | 42.71  | 37.12 | 16.07 | 47.34 | 64.01 | 59.43 | 46.36 |
| 8.   | Gross value of agricultural output per hectare 1973-74 (Rs.)                 | 5533  | 6787   | 6308  | 6041  | 3713   | 4606   | 6339  | 4207  | 4199  | 6485  | 3151  | 5024  |
| 8.1  | Per capita (Rs.)   | 361   | 612    | 465   | 691   | 751    | 369    | 377   | 693   | 442   | 421   | 391   | 487   |
| 9.   | Chemical fertilisers distributed 1972-73 per hectare (in kg.)                | 50.7  | 35.5   | 120.9 | 101.1 | 116.0  | 82.9   | 82.9  | 68.8  | 37.0  | 61.7  | 37.8  | 69.6  |
| 10.  | Location factor of Industries 1972   | 0.62  | 4.09   | 0.56  | 0.32  | 0.54   | 1.15   | 0.80  | 0.43  | 0.09  | 0.82  | 0.52  | ..    |
| 10.1 | Per capita value added by manufacturing organised sector (1971) (Rs.)        | 84.73 | 70.73  | 11.81 | 28.66 | 33.65  | 144.51 | 27.30 | 12.75 | 3.25  | 41.20 | 13.77 | 45.40 |
| 11.  | Percentage of villages electrified (1973-74)*                                | 97.70 | 100.00 | 98.99 | 87.13 | 100.00 | 95.38  | 80.54 | 64.84 | 67.66 | 82.84 | 82.84 | 82.84 |
| 12.  | Consumers of Electricity per lakh population (73-74)                         | 4542  | 3613   | 4275  | 2902  | 1033   | 5404   | 3833  | 3324  | 1315  | 1908  | 3239  | 3396  |

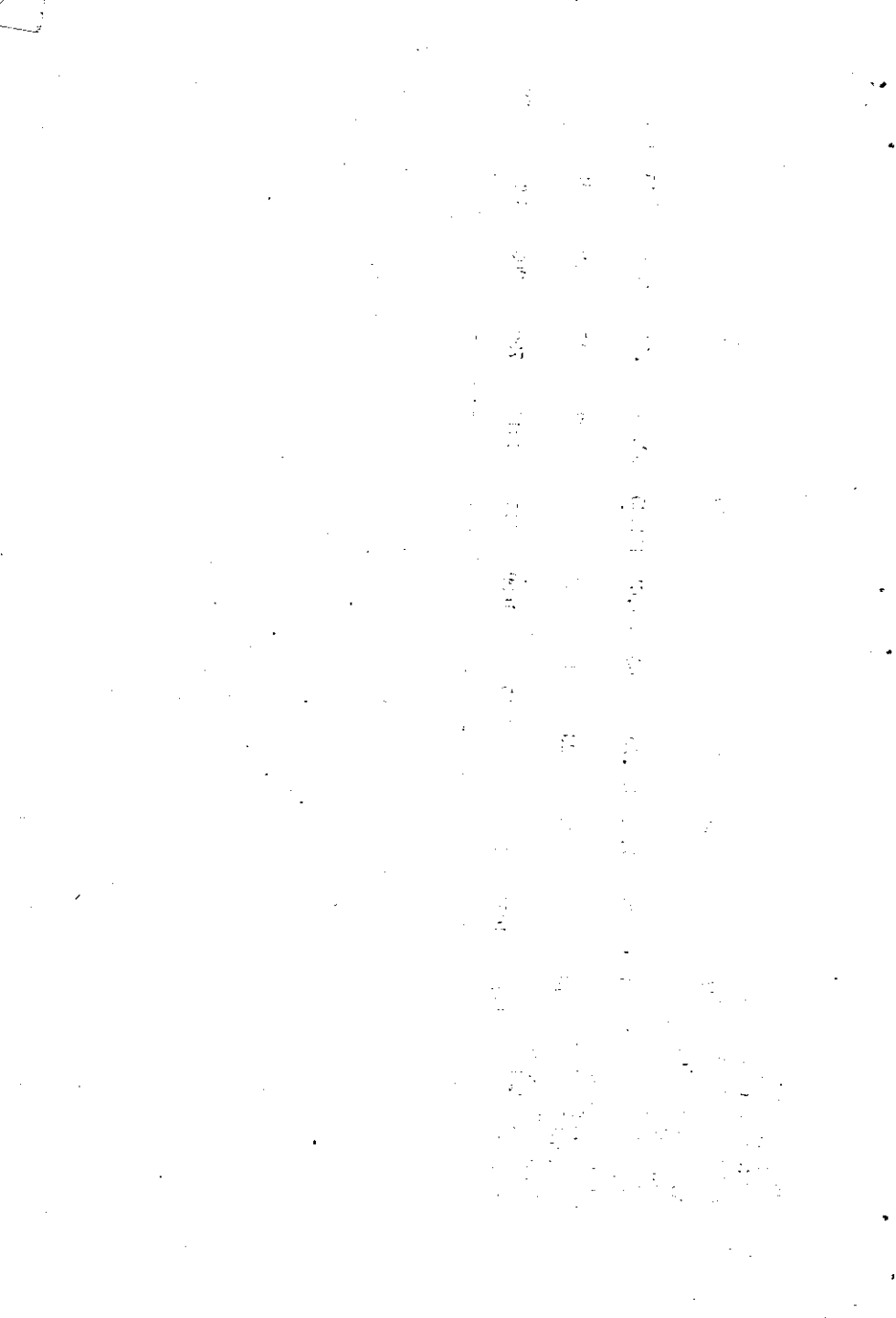
\* Separate figures for Idukki and Malappuram districts are not available.

|      |  |       |       |       |       |        |       |       |       |       |       |       |
|------|--|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 12.1 | Per capita consumption of electricity - domestic purposes (1974-75) (KWH)    | 17.58 | 7.16  | 7.30  | 4.94  | 7.08   | 7.12  | 6.28  | 2.28  | 6.27  | 5.76  | 7.25  |
| 12.2 | Per capita consumption of electricity for commercial purposes 1974-75 (KWH)  | 5.91  | 3.78  | 2.90  | 2.66  | 3.52   | 3.80  | 3.73  | 2.06  | 6.82  | 2.90  | 3.87  |
| 12.3 | Per capita consumption of electricity - agricultural purposes 1974-75 (KWH)  | 0.23  | 0.32  | 0.75  | 6.99  | 19.45  | 7.74  | 6.14  | 1.59  | 0.12  | 0.28  | 4.38  |
| 12.4 | Do. Industrial purposes (low & medium voltage) (KWH)                         | 8.90  | 7.74  | 7.93  | 7.69  | 6.70   | 8.67  | 6.60  | 2.59  | 7.37  | 3.49  | 6.80  |
| 12.5 | Do. Industrial purposes (high voltage) (KWH)                                 | 5.30  | 21.44 | 33.77 | 21.11 | 386.56 | 12.90 | 8.39  | 0.27  | 18.19 | 5.00  | 51.81 |
| 13.  | Surfaced road per hundred sq. kms. of area 1972-73 *                         | 68.95 | 40.89 | 50.53 | 69.27 | 21.10  | 74.46 | 50.57 | 24.22 | 30.05 | 23.39 | 38.21 |
| 14.  | Total roads per hundred sq. kms. of area * 1972-73 (Kms.)                    | 78.64 | 53.87 | 71.58 | 80.95 | 29.55  | 98.42 | 57.97 | 29.19 | 40.68 | 34.21 | 49.11 |
| 15.  | Total motor vehicles per lakh of population (1973-74)                        | 868   | 370   | 265   | 790   | 335    | 659   | 320   | 471   | 138   | 538   | 459   |
| 16.  | No. of commercial vehicles (goods vehicles) per lakh of population (1973-74) | 108   | 63    | 34    | 69    | 46     | 97    | 32    | 72    | 25    | 81    | 37    |
| 17.  | No. of schools per hundred School going children 1974-75                     | 0.16  | 0.18  | 0.19  | 0.20  | 0.20   | 0.16  | 0.16  | 0.24  | 0.28  | 0.25  | 0.31  |

\* Excluding roads maintained by panchayats, N. E. S. Blocks and Irrigation Department.

| (1)  | (2)  | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)  | (11)  | (12)  | (13)  | (14)  |
|------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 18.  | No. of students per lakh of population   |       |       |       |       |       |       |       |       |       |       |       |       |
| 18.1 | Do. primary section 1974-75  | 22686 | 24718 | 24892 | 26572 | 19275 | 24319 | 24276 | 19962 | 20340 | 22816 | 21311 | 23039 |
| 18.2 | Do. Middle section 1974-75   | 11402 | 12219 | 11641 | 12716 | 10464 | 12444 | 12664 | 11686 | 13800 | 13453 | 12301 | 12339 |
| 18.3 | Do. Higher secondary 1974-75   | 6820  | 7625  | 7736  | 8295  | 5723  | 7320  | 7209  | 5266  | 4592  | 6159  | 5991  | 6673  |
|      |  | 4465  | 4974  | 5515  | 5561  | 3088  | 4555  | 4412  | 3010  | 1948  | 3203  | 3019  | 4027  |
| 19.  | No. of students per teachers 1974-75   | 35.52 | 36.02 | 34.58 | 32.45 | 38.84 | 36.92 | 32.84 | 30.84 | 35.73 | 29.94 | 30.85 | 33.84 |
| 19.1 | Do. Lower primary  | 43.45 | 46.79 | 43.12 | 40.74 | 49.20 | 40.84 | 34.31 | 33.28 | 37.83 | 30.39 | 31.58 | 37.60 |
| 19.2 | Do. Middle   | 30.73 | 30.09 | 31.45 | 30.41 | 30.85 | 35.61 | 38.80 | 28.57 | 32.09 | 30.20 | 31.43 | 31.54 |
| 19.3 | Do. Higher Secondary   | 28.91 | 28.61 | 27.06 | 27.41 | 29.55 | 31.32 | 29.19 | 26.89 | 31.73 | 27.99 | 27.24 | 28.53 |
| 20.  | Percentage of literacy (1971 Census)   | 62.54 | 64.97 | 70.44 | 72.88 | 56.42 | 65.37 | 61.61 | 46.69 | 47.90 | 57.23 | 54.84 | 60.42 |
| 21.  | No. of beds per lakh of population   |       |       |       |       |       |       |       |       |       |       |       |       |
|      | Modern Medicine  |       |       |       |       |       |       |       |       |       |       |       |       |
|      | Govt. & Grant in-aid institutions) 73-74   | 206   | 62    | 147   | 125   | 32    | 104   | 126   | 62    | 39    | 139   | 71    | 106   |
| 22.  | No. of Medical Institutions (Modern & indigenous medicines) per lakh of population                               |       |       |       |       |       |       |       |       |       |       |       |       |
|      | Govt. and grant-in-aid institutions) (1972-73)   | 5.27  | 4.79  | 5.31  | 5.13  | 6.35  | 5.41  | 6.41  | 6.13  | 4.50  | 4.33  | 6.03  | 5.38  |
| 23.  | No. of beds (modern and indigenous medicines) per lakh of population (Govt. & grant-in-aid institutions) 1972-73 | 235   | 65    | 149   | 136   | 34    | 124   | 149   | 64    | 41    | 140   | 71    | 115   |

|   |        |        |        |        |       |        |        |        |       |       |       |        |
|---|--------|--------|--------|--------|-------|--------|--------|--------|-------|-------|-------|--------|
| 24. No. of persons per scheduled commercial Banking Offices (persons in thousands) 1973 | 22     | 30     | 25     | 17     | 27    | 13     | 16     | 21     | 43    | 27    | 24    | 22     |
| 25. Per capita Bank deposits 1973 (scheduled commercial Banks) (Rs.)                    | 204.76 | 105.38 | 137.24 | 156.70 | 44.65 | 331.61 | 151.85 | 133.45 | 27.12 | 88.81 | 88.15 | 139.45 |
| 26. No. of post offices per lakh of population 1973-74                                  | 16     | 14     | 17     | 23     | 16    | 17     | 18     | 22     | 17    | 19    | 19    | 18     |
| 27. No. of radio sets per lakh of population (1970-71)                                  | 1457   | 1057   | 1064   | 1115   | 1699  | 1451   | 1947   | 790    | 903   | 1228  | 1339  |        |



---

---

**APPENDIX**

**TABLES**

---

---



LIBRARY

241117

## LIST OF TABLES

|   | <i>Page No.</i> |
|---|-----------------|
| 1.1. District-wise population 1961 and 1971   | 73              |
| 1.2. Density of population in Kerala.   | 74              |
| 1.3. Percentage of scheduled castes and scheduled tribes (District-wise) 1961 and 1971  | 74              |
| 1.4. Workers in Kerala (District-wise) 1961 and 1971  | 75              |
| 1.5. Percentage distribution of working population of Agricultural and other workers—Kerala 1961 and 1971                         | 76              |
| 1.6. Percentage of area and population covered by community development programme in Kerala by districts                          | 78              |
| 2.1. Per capita income of states and India at current prices.   | 79              |
| 2.2. Land use particulars—classification of Area  | 80              |
| 3.2. Percentage of net area sown to total cropped area  | 85              |
| 3.3. Percentage of area sown more than once to net area sown  | 85              |
| 3.4. Area irrigated through Major and Medium irrigation   | 86              |
| 3.5. Area irrigated through Minor and Lift irrigation schemes upto 1973-74  | 86              |
| 3.6. Percentage changes in productivity of important crops in Kerala by Districts 1960-61 to 1970-71                              | 87              |
| 3.7. Area under commercial crops 1962-63 to 1973-74   | 88              |
| 3.8. Chemical fertilizers distributed 1962-63 to 1972-73  | 89              |
| 3.9. Cultivable area 1962-63 to 1973-74   | 90              |
| 3.10. Per capita availability of cultivable area 1962-63 to 1973-74   | 90              |
| 3.11. Average size of operational holdings (for each size group) 1966-67  | 91              |
| 3.12. Percentage distribution of operational land holdings 1966-67  | 92              |
| 3.13. Percentage distribution of livestock population 1966  | 94              |
| 3.14. Do. 1972  | 95              |
| 4.1. Industries covered by A.S.I. Economic Indicators   | 96              |
| 4.2. Percentage contribution of different states in India in respect of important industrial characteristics in 1962, 64 and 1968 | 98              |
| 5.1. No. of schools per thousand school going children  | 100             |
| 5.2. No. of students per lakh of population (General Education)   | 100             |
| 5.3. Lower Primary Students per lakh of population  | 101             |
| 5.4. Upper Primary students per lakh of population  | 101             |
| 5.5. Higher Secondary students per lakh of population   | 102             |

THE [illegible] OF [illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

THE [illegible]

TABLE 1.1.  
District-wise population-1961 and 1971

| District   | 1961       |          |         |                                | 1971       |          |         |                                |
|------------|------------|----------|---------|--------------------------------|------------|----------|---------|--------------------------------|
|            | Population | Rural    | Urban   | % of urban population to total | Population | Rural    | Urban   | % of urban population to total |
| (1)        | (2)        | (3)      | (4)     | (5)                            | (6)        | (7)      | (8)     | (9)                            |
| Trivandrum | 1744531    | 1295962  | 448569  | 25.71                          | 2198606    | 1627040  | 571566  | 26.00                          |
| Quilon     | 1941228    | 1796992  | 144236  | 7.43                           | 2412821    | 2222918  | 189903  | 7.87                           |
| Alleppey   | 1811252    | 1500821  | 310431  | 17.14                          | 2125722    | 2766026  | 359696  | 16.92                          |
| Kottayam   | 1320506    | 1155037  | 165469  | 12.53                          | 1539030    | 1330768  | 208762  | 13.56                          |
| Idikki     | 590328     | 590328   |         |                                | 765608     | 740346   | 25262   | 3.30                           |
| Ernakulam  | 1681959    | 1286649  | 395310  | 23.50                          | 2163674    | 1527664  | 636010  | 29.39                          |
| Trichur    | 1688271    | 1502619  | 185652  | 11.00                          | 2128797    | 1878952  | 249845  | 11.74                          |
| Palghat    | 1369500    | 1220627  | 148873  | 10.87                          | 1685942    | 1471263  | 214079  | 12.70                          |
| Malappuram | 1387378    | 1311413  | 75965   | 5.48                           | 1856362    | 1731510  | 124852  | 6.73                           |
| Kozhikode  | 1388468    | 1208949  | 379519  | 23.89                          | 2106249    | 1544675  | 561570  | 26.66                          |
| Cannanore  | 1780294    | 1480177  | 300117  | 16.86                          | 2365164    | 2040260  | 324904  | 13.74                          |
| Kerala     | 16903715   | 14349574 | 2554141 | 15.11                          | 21347375   | 17880926 | 3466449 | 16.24                          |

| District   | Variation in 71 over 61 |            |            |       |
|------------|-------------------------|------------|------------|-------|
|            | Population              | Percentage | Percentage |       |
| (10)       | (11)                    | (12)       | (13)       |       |
|            |                         | Rural      | Urban      |       |
|            |                         | (14)       | (15)       |       |
| Trivandrum | 454075                  | 26.03      | 331078     | 25.55 |
| Quilon     | 471593                  | 24.29      | 425926     | 23.70 |
| Alleppey   | 314470                  | 17.36      | 265205     | 17.67 |
| Kottayam   | 218524                  | 16.55      | 175231     | 15.17 |
| Idikki     | 175280                  | 29.69      | 150018     | 25.41 |
| Ernakulam  | 481715                  | 28.64      | 241015     | 18.73 |
| Trichur    | 440526                  | 26.09      | 376333     | 25.05 |
| Palghat    | 315842                  | 23.06      | 250636     | 20.53 |
| Malappuram | 468984                  | 33.80      | 420097     | 32.03 |
| Kozhikode  | 517781                  | 32.60      | 335730     | 27.77 |
| Cannanore  | 584810                  | 32.85      | 560083     | 37.84 |
| Kerala     | 4443660                 | 26.29      | 3531352    | 24.61 |

TABLE 1.2

## Density of population in Kerala (District-wise)

| District   | 1961  |       |       | 1971  |       |       | Variation in 71 over 61 |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------------------------|-------|-------|
|            | Total | Rural | Urban | Total | Rural | Urban | Total                   | Rural | Urban |
| (1)        | (2)   | (3)   | (4)   | (5)   | (6)   | (7)   | (8)                     | (9)   | (10)  |
| Trivandrum | 798   | 638   | 2885  | 1003  | 799   | 3676  | 205                     | 161   | 791   |
| Quilon     | 410   | 383   | 3661  | 522   | 485   | 4820  | 112                     | 102   | 1159  |
| Alleppey   | 988   | 886   | 2211  | 1128  | 1013  | 2562  | 140                     | 127   | 351   |
| Kottayam   | 584   | 560   | 844   | 701   | 665   | 1065  | 117                     | 105   | 221   |
| Idikki     | 114   | 114   | ..    | 151   | 146   | 902   | 37                      | 32    | ..    |
| Ernakulam  | 146   | 599   | 3708  | 910   | 673   | 5944  | 164                     | 74    | 2236  |
| Trichur    | 564   | 516   | 2210  | 702   | 641   | 2464  | 138                     | 125   | 254   |
| Palghat    | 327   | 298   | 1667  | 383   | 343   | 1841  | 56                      | 45    | 174   |
| Malappuram | 360   | 344   | 1899  | 510   | 486   | 1603  | 150                     | 142   | 296   |
| Kozhikode  | 430   | 346   | 1905  | 564   | 438   | 2819  | 135                     | 92    | 914   |
| Cannanore  | 314   | 269   | 1657  | 415   | 369   | 1794  | 101                     | 100   | 137   |
| Kerala     | 435   | 381   | 2074  | 549   | 477   | 2584  | 114                     | 96    | 510   |

TABLE 1.3  
Percentage of scheduled caste and scheduled tribe (District-wise) 1961 and 1971

| District   | 1971            |  |                 |  |                 |  |                 |  |                 |  |                 |  |  |
|------------|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|-----------------|--|--|
|            | 1961            |  |                 | Variation in 71 over 61                  |                 |  |                 |  |                 |  |                 |  |  |
| (1)        | (2)             | (3)                                      | (4)             | (5)                                      | (6)             | (7)                                      | (8)             | (9)                                      | (10)            | (11)                                     | (12)            | (13)                                     |  |
|            | Scheduled Caste | % of Scheduled Caste to total population | Scheduled Tribe | % of Scheduled Tribe to Total population | Scheduled Caste | % of Scheduled Caste to total population | Scheduled Tribe | % of Scheduled Tribe to Total population | Scheduled Caste | % of Scheduled Caste to total population | Scheduled Tribe | % of Scheduled Tribe to total population |  |
| Trivandrum | 161982          | 9.29                                     | 9784            | 0.56                                     | 213741          | 9.72                                     | 11059           | 0.50                                     | 51759           | 11.40                                    | 1275            | 0.28                                     |  |
| Quilon     | 227265          | 11.67                                    | 3799            | 0.19                                     | 280632          | 11.63                                    | 3737            | 0.15                                     | 53367           | 11.32                                    | -62             | -0.01                                    |  |
| Alleppey   | 166521          | 9.22                                     | 584             | 0.03                                     | 200770          | 9.44                                     | 435             | 0.02                                     | 34249           | 10.89                                    | -149            | -0.00                                    |  |
| Kottayam   | 73195           | 5.54                                     | 10769           | 0.82                                     | 94528           | 6.14                                     | 11059           | 0.72                                     | 21333           | 9.76                                     | 290             | 0.13                                     |  |
| Idikki     | 91843           | 15.56                                    | 19886           | 3.37                                     | 97819           | 12.78                                    | 23181           | 3.03                                     | 5976            | 2.73                                     | 3295            | 1.88                                     |  |
| Ernakulam  | 143463          | 8.53                                     | 766             | 0.05                                     | 182775          | 8.45                                     | 580             | 0.03                                     | 39312           | 8.16                                     | -186            | -0.04                                    |  |
| Trichur    | 174893          | 10.36                                    | 6271            | 0.37                                     | 216237          | 10.16                                    | 9383            | 0.44                                     | 41344           | 9.39                                     | 3112            | 0.71                                     |  |
| Palghat    | 176199          | 12.87                                    | 19423           | 1.42                                     | 210765          | 12.51                                    | 25594           | 1.52                                     | 34566           | 10.94                                    | 6171            | 1.95                                     |  |
| Malappuram | 111409          | 8.03                                     | 6716            | 0.48                                     | 140826          | 7.59                                     | 8882            | 0.48                                     | 29417           | 6.27                                     | 2166            | 0.46                                     |  |
| Kozhikode  | 64527           | 4.06                                     | 63859           | 4.02                                     | 76338           | 3.62                                     | 84982           | 4.03                                     | 11811           | 2.28                                     | 21123           | 4.08                                     |  |
| Cannanore  | 43520           | 2.44                                     | 70905           | 3.98                                     | 57737           | 2.44                                     | 90464           | 3.82                                     | 14217           | 2.43                                     | 19559           | 3.34                                     |  |
| Kerala     | 1434817         | 8.49                                     | 212762          | 1.26                                     | 1772168         | 8.30                                     | 269356          | 1.26                                     | 337351          | 7.59                                     | 56594           | 1.26                                     |  |

TABLE 1.4  
Workers in Kerala (District-wise) 1961 and 1971

| (1)        | 1961    |         |        |         | 1971    |        |        |        | Variation in 71 over 61 |  |
|------------|---------|---------|--------|---------|---------|--------|--------|--------|-------------------------|--|
|            | Total   | Rural   | Urban  | Total   | Rural   | Urban  | Total  | Rural  | Urban                   |  |
|            | (2)     | (3)     | (4)    | (5)     | (6)     | (7)    | (8)    | (9)    | (10)                    |  |
| Trivandrum | 540891  | 410001  | 130890 | 628293  | 470801  | 157492 | 87402  | 60800  | 26602                   |  |
| Quilon     | 631350  | 586654  | 44696  | 690283  | 637496  | 52787  | 58933  | 50842  | 8091                    |  |
| Alleppey   | 610424  | 518814  | 91610  | 598468  | 504619  | 93849  | -11956 | -14195 | 2239                    |  |
| Kottayam   | 387179  | 340208  | 46971  | 420659  | 363861  | 56798  | 33480  | 23653  | 9827                    |  |
| Idikki     | 230782  | 230782  | ..     | 265090  | 257562  | 7528   | 34308  | 26780  | 7528                    |  |
| Ernakulam  | 564437  | 449529  | 114908 | 621117  | 446075  | 175042 | 56680  | -3454  | 60134                   |  |
| Trichur    | 559054  | 504539  | 54515  | 608551  | 538506  | 64045  | 49497  | 33967  | 10530                   |  |
| Palghat    | 550375  | 502596  | 47779  | 604825  | 541055  | 63770  | 54450  | 38459  | 15991                   |  |
| Malappuram | 447248  | 424053  | 23195  | 502644  | 470780  | 31864  | 55396  | 46727  | 8669                    |  |
| Kozhikode  | 478874  | 372103  | 106771 | 566936  | 428280  | 138656 | 88062  | 56177  | 31885                   |  |
| Cannanore  | 629719  | 535922  | 93797  | 714593  | 621969  | 92624  | 84874  | 86047  | -1173                   |  |
| Kerala     | 5630333 | 4875201 | 755132 | 6216459 | 5281004 | 935455 | 586126 | 405803 | 180323                  |  |

TABLE 1.5

**Percentage Distribution of working Population by Agricultural and other Workers Kerala 1961 and 1971**

| District   | Persons,<br>Males<br>Females | Total<br>workers | Agricultural workers |       |                                | Workers other than cultivator and<br>agricultural labourers |       |       |
|------------|------------------------------|------------------|----------------------|-------|--------------------------------|---|-------|-------|
|            |                              |                  | Cultivators<br>1961  | 1971  | Agricultural labourers<br>1961 | 1971  | 1961  | 1971  |
| (1)        | (2)                          | (3)              | (4)                  | (5)   | (6)                            | (7)   | (8)   | (9)   |
| Kerala     | P                            | 100.00           | 20.92                | 17.80 | 17.38                          | 30.69   | 61.70 | 51.51 |
|            | M                            | 100.00           | 22.91                | 21.81 | 13.10                          | 25.10   | 63.99 | 53.09 |
|            | F                            | 100.00           | 16.25                | 4.64  | 27.42                          | 49.06   | 56.33 | 46.30 |
| Cannanore  | P                            | 100.00           | 24.29                | 18.31 | 17.48                          | 33.92   | 58.23 | 47.77 |
|            | M                            | 100.00           | 21.88                | 20.95 | 11.24                          | 24.92   | 66.88 | 54.13 |
|            | F                            | 100.00           | 29.15                | 10.23 | 30.04                          | 61.53   | 40.81 | 28.24 |
| Kozhikode  | P                            | 100.00           | 12.78                | 14.57 | 11.24                          | 26.34   | 75.98 | 59.09 |
|            | M                            | 100.00           | 13.21                | 16.75 | 6.63                           | 22.67   | 78.16 | 60.58 |
|            | F                            | 100.00           | 11.36                | 4.32  | 19.81                          | 43.59   | 68.83 | 52.09 |
| Malappuram | P                            | 100.00           | 21.21                | 18.84 | 19.06                          | 39.12   | 59.73 | 42.04 |
|            | M                            | 100.00           | 23.27                | 21.86 | 12.99                          | 32.42   | 63.74 | 45.72 |
|            | F                            | 100.00           | 15.33                | 6.07  | 36.34                          | 67.45   | 48.33 | 26.48 |
| Palghat    | P                            | 100.00           | 20.06                | 15.74 | 34.50                          | 48.42   | 45.44 | 35.84 |
|            | M                            | 100.00           | 21.68                | 19.93 | 24.11                          | 35.14   | 54.21 | 44.93 |
|            | F                            | 100.00           | 17.37                | 7.44  | 51.75                          | 74.76   | 30.88 | 17.80 |
| Trichur    | P                            | 100.00           | 16.58                | 13.65 | 15.11                          | 32.84   | 68.31 | 53.51 |
|            | M                            | 100.00           | 18.18                | 17.23 | 9.69                           | 24.53   | 72.13 | 58.19 |
|            | F                            | 100.00           | 13.52                | 4.81  | 25.44                          | 53.03   | 61.04 | 42.16 |



**Percentage Distribution of Working Population by Agricultural and other workers—Kerala  
1961 and 1971**

| (1)        | (2) | (3)    | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   |
|------------|-----|--------|-------|-------|-------|-------|-------|-------|
| Ernakulam  | P   | 100.00 | 19.50 | 12.84 | 14.23 | 21.94 | 66.27 | 65.22 |
|            | M   | 100.00 | 19.23 | 15.60 | 9.14  | 16.36 | 71.63 | 68.04 |
|            | F   | 100.00 | 2.02  | 2.89  | 26.23 | 42.02 | 53.62 | 55.09 |
| Idikki     | P   | 100.00 | 12.77 | 25.56 | 11.25 | 22.46 | 75.98 | 51.98 |
|            | M   | 100.00 | 14.89 | 33.06 | 19.94 | 20.67 | 74.41 | 46.27 |
|            | F   | 100.00 | 7.80  | 3.12  | 12.55 | 27.83 | 79.65 | 69.05 |
| Kottayam   | P   | 100.00 | 25.99 | 24.65 | 16.96 | 28.09 | 57.05 | 47.26 |
|            | M   | 100.00 | 29.04 | 29.06 | 13.39 | 24.12 | 42.43 | 46.82 |
|            | F   | 100.00 | 14.37 | 2.16  | 30.60 | 48.38 | 55.03 | 49.46 |
| Alleppey   | P   | 100.00 | 17.99 | 16.01 | 19.19 | 30.66 | 62.82 | 53.33 |
|            | M   | 100.00 | 22.67 | 20.55 | 14.97 | 24.47 | 62.36 | 54.98 |
|            | F   | 100.00 | 8.59  | 1.97  | 27.69 | 49.77 | 63.76 | 48.26 |
| Quilon     | P   | 100.00 | 31.67 | 26.89 | 13.70 | 20.81 | 54.63 | 52.30 |
|            | M   | 100.00 | 37.95 | 34.21 | 13.51 | 20.43 | 48.54 | 45.36 |
|            | F   | 100.00 | 16.62 | 1.70  | 14.17 | 22.10 | 69.21 | 76.20 |
| Trivandrum | P   | 100.00 | 21.51 | 14.05 | 14.65 | 29.85 | 63.84 | 56.10 |
|            | M   | 100.00 | 23.80 | 17.17 | 15.19 | 30.53 | 61.01 | 52.30 |
|            | F   | 100.00 | 14.96 | 2.08  | 13.12 | 27.26 | 71.92 | 70.66 |

TABLE 1.6  
 Percentage of area and population covered by community development programme in Kerala  
 by districts, 1971

| District   | Number of blocks | Percentage of areas covered | Percentage of population covered |
|------------|------------------|-----------------------------|----------------------------------|
| Trivandrum | 12               | 81.84                       | 79.05                            |
| Quilon     | 17               | 69.91                       | 96.45                            |
| Alleppey   | 17               | 87.46                       | 83.91                            |
| Kottayam   | 13               | 78.21                       | 92.88                            |
| Ernakulam  | 17               | 86.49                       | 77.74                            |
| Trichur    | 17               | 71.61                       | 91.85                            |
| Palghat    | 12               | 84.39                       | 92.63                            |
| Malappuram | 13               | 99.15                       | 98.28                            |
| Kozhikode  | 14               | 97.77                       | 81.58                            |
| Cannanore  | 12               | 92.55                       | 93.08                            |
| Kerala     | 144              | 83.92                       | 88.53                            |

TABLE 2.1

## Per Capita Income of states in India at current prices

| <i>Sl. No.</i> | <i>States</i>    | 1970-71 | 1971-72 | 1972-73 |
|----------------|------------------|---------|---------|---------|
| (1)            | (2)              | (3)     | (4)     | (5)     |
| 1.             | Andra Pradesh    | 572.18  | 606.19  | 627.99  |
| 2.             | Assam            | 523.0   | 535.5   | 572.1   |
| 3.             | Bihar            | 426     | 440     | 469     |
| 4.             | Gujarat          | 806     | 833     | 733     |
| 5.             | Jammu & Kashmir  | N.A.    | N.A.    | N.A.    |
| 6.             | Haryana          | 844     | 915     | 982     |
| 7.             | Himachal Pradesh | 638.5   | 678.1   | 726.9   |
| 8.             | Kerala           | 600.35  | 589.13  | 655.65  |
| 9.             | Madhya Pradesh   | 489.6   | 527.6   | 572.5   |
| 10.            | Maharashtra      | 787.5   | 831.0   | 867.1   |
| 11.            | Manipur          | N.A.    | N.A.    | N.A.    |
| 12.            | Karnataka        | 530.30  | 539.51  | 587.05  |
| 13.            | Orissa           | 496.0   | 511.44  | N.A.    |
| 14.            | Punjab           | 995     | 1054    | 1105    |
| 15.            | Rajasthan        | 632     | 563     | 590     |
| 16.            | Tamil Nadu       | 622     | 688     | 746     |
| 17.            | Tripura          | N.A.    | N.A.    | N.A.    |
| 18.            | Utter Pradesh    | 520.15  | 591.39  | 652.18  |
| 19.            | West Bengal      | 747.4   | 810.2   | 798.6   |
|                | All India        | 627.5   | 645.4   | 687.6   |

source: Statistical Bureaus.

TABLE 3.1  
Land use particulars classification of Area

| District   | Total geographical area according to village papers |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|------------|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|            | 1962-63   | 1967-68              | 1972-73              | 1973-74              | 1962-63              | 1967-68              | 1972-73              | 1973-74              | 1962-63              | 1973-74              |
| (1)        | (2)   | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 | (11)                 |
| Trivandrum | 216,096<br>(5.60)                                   | 216,096<br>(5.60)    | 216,096<br>(5.60)    | 216,096<br>(5.60)    | 44,613<br>(4.22)     | 44,538<br>(4.22)     | 43,849<br>(4.16)     | 34,849<br>(4.16)     | 44,613<br>(4.22)     | 44,538<br>(4.22)     |
| Quilon     | 469,051<br>(12.16)                                  | 469,051<br>(12.16)   | 469,051<br>(12.16)   | 469,051<br>(12.16)   | 213,120<br>(20.18)   | 210,857<br>(19.97)   | 210,651<br>(19.97)   | 210,651<br>(20.00)   | 213,120<br>(20.18)   | 210,857<br>(19.97)   |
| Alleppey   | 186,790<br>(4.84)                                   | 186,790<br>(4.84)    | 186,790<br>(4.84)    | 186,790<br>(4.84)    | 513<br>(0.05)        | 513<br>(0.05)        | 513<br>(0.05)        | 513<br>(0.05)        | 513<br>(0.05)        | 513<br>(0.05)        |
| Kottayam   | 626,225<br>(16.23)                                  | 626,225<br>(16.23)   | 626,225<br>(16.23)   | 626,225<br>(16.23)   | 248,758<br>(23.58)   | 252,964<br>(23.96)   | 6,398<br>(0.60)      | 6,398<br>(0.61)      | 248,758<br>(23.58)   | 252,964<br>(23.96)   |
| Idukki     | ..  | ..                   | ..                   | 506,775<br>(13.13)   | ..                   | ..                   | 299,221<br>(28.37)   | 299,221<br>(28.41)   | ..                   | ..                   |
| Ernakulam  | 317,428<br>(8.23)                                   | 317,428<br>(8.22)    | 221,183<br>(5.73)    | 221,183<br>(5.73)    | 55,261<br>(5.23)     | 55,212<br>(5.23)     | 2,512<br>(0.24)      | 1,312<br>(0.12)      | 55,261<br>(5.23)     | 55,212<br>(5.23)     |
| Trichur    | 294,262<br>(7.63)                                   | 294,262<br>(7.63)    | 299,149<br>(7.73)    | 299,149<br>(7.73)    | 132,929<br>(12.59)   | 132,376<br>(12.54)   | 132,369<br>(12.55)   | 131,994<br>(12.53)   | 132,929<br>(12.59)   | 132,376<br>(12.54)   |
| Palghat    | 510,424<br>(13.23)                                  | 510,424<br>(13.23)   | 437,087<br>(11.33)   | 437,087<br>(11.83)   | 99,665<br>(9.44)     | 99,663<br>(9.44)     | 67,185<br>(6.37)     | 67,185<br>(6.38)     | 510,424<br>(13.23)   | 437,087<br>(11.83)   |
| Malappuram | ..  | ..                   | 363,045<br>(9.42)    | 363,045<br>(9.42)    | ..                   | ..                   | 97,627<br>(9.26)     | 97,627<br>(9.27)     | ..                   | ..                   |
| Kozhikode  | 661,586<br>(17.15)                                  | 661,586<br>(17.15)   | 366,991<br>(9.51)    | 366,991<br>(9.51)    | 194,050<br>(18.36)   | 193,756<br>(18.35)   | 128,607<br>(12.19)   | 128,607<br>(12.21)   | 661,586<br>(17.15)   | 193,756<br>(18.35)   |
| Cannanore  | 576,661<br>(14.94)                                  | 576,661<br>(14.94)   | 576,661<br>(14.94)   | 576,661<br>(14.95)   | 67,231<br>(6.36)     | 65,932<br>(6.24)     | 65,932<br>(6.24)     | 65,932<br>(6.26)     | 576,661<br>(14.94)   | 65,932<br>(6.24)     |
| State      | 3858,523<br>(100.00)                                | 3858,523<br>(100.00) | 3858,523<br>(100.00) | 3858,523<br>(100.00) | 1056,140<br>(100.00) | 1055,811<br>(100.00) | 1054,864<br>(100.00) | 1053,229<br>(100.00) | 3858,523<br>(100.00) | 1055,811<br>(100.00) |

TABLE 3.1—Contd.

| District   | Land put to non-agricultural use |                     |                     |                     | Barren uncultivable land |                    |                   |                    |
|------------|----------------------------------|---------------------|---------------------|---------------------|--------------------------|--------------------|-------------------|--------------------|
|            | 1962-63<br>(10)                  | 1967-68<br>(11)     | 1972-73<br>(12)     | 1973-74<br>(13)     | 1962-63<br>(14)          | 1967-68<br>(15)    | 1972-73<br>(16)   | 1973-74<br>(17)    |
| Trivandrum | 12,424<br>(5.88)                 | 16,665<br>(6.89)    | 15,845<br>(5.75)    | 17,026<br>(5.95)    | 1,021<br>(0.84)          | 670<br>(0.72)      | 574<br>(0.84)     | 565<br>(0.86)      |
| Quilon     | 12,588<br>(5.88)                 | 15,580<br>(6.44)    | 14,983<br>(5.43)    | 16,142<br>(5.65)    | 13,230<br>(10.89)        | 10,850<br>(11.82)  | 7,321<br>(10.82)  | 7,085<br>(10.81)   |
| Alleppey   | 10,781<br>(5.84)                 | 12,510<br>(5.17)    | 12,500<br>(4.53)    | 12,199<br>(4.27)    | 1,904<br>(1.57)          | 950<br>(1.03)      | 653<br>(0.96)     | 731<br>(1.12)      |
| Kottayam   | 14,152<br>(6.61)                 | 16,235<br>(6.72)    | 12,113<br>(4.39)    | 12,466<br>(4.36)    | 22,460<br>(18.49)        | 15,130<br>(16.48)  | 1,521<br>(2.25)   | 1,671<br>(2.55)    |
| Idukki     | ..                               | ..                  | 13,704<br>(4.97)    | 13,770<br>(4.82)    | ..                       | ..                 | 7,671<br>(11.33)  | 7,160<br>(10.93)   |
| Ernakulam  | 19,278<br>(9.01)                 | 21,300<br>(8.01)    | 20,857<br>(7.57)    | 22,349<br>(7.82)    | 9,897<br>(8.15)          | 5,140<br>(5.60)    | 1,489<br>(2.20)   | 1,577<br>(2.41)    |
| Trichur    | 13,883<br>(6.49)                 | 15,890<br>(6.57)    | 17,191<br>(6.24)    | 18,491<br>(6.47)    | 3,240<br>(2.67)          | 2,100<br>(2.29)    | 2,043<br>(3.02)   | 2,206<br>(3.37)    |
| Palghat    | 61,488<br>(28.74)                | 61,935<br>(25.61)   | 48,787<br>(17.69)   | 52,527<br>(18.38)   | 28,093<br>(23.13)        | 20,800<br>(22.65)  | 10,682<br>(15.77) | 10,756<br>(16.41)  |
| Malappuram | ..                               | ..                  | 13,184<br>(4.78)    | 13,687<br>(4.79)    | ..                       | ..                 | 363,045<br>(9.42) | 363,045<br>(9.41)  |
| Kozhikode  | 27,236<br>(12.73)                | 31,370<br>(12.97)   | 45,126<br>(16.37)   | 43,868<br>(15.35)   | 15,761<br>(12.98)        | 19,090<br>(14.25)  | 10,186<br>(15.04) | 9,612<br>(14.61)   |
| Cannanore  | 42,132<br>(19.69)                | 50,345<br>(20.82)   | 61,436<br>(22.28)   | 63,266<br>(22.14)   | 25,849<br>(21.28)        | 23,100<br>(25.16)  | 20,510<br>(30.28) | 19,458<br>(29.69)  |
| State      | 213,962<br>(100.00)              | 241,830<br>(100.00) | 275,726<br>(100.00) | 285,791<br>(100.00) | 121,455<br>(100.00)      | 91,830<br>(100.00) | 67,731<br>(100.0) | 65,530<br>(100.00) |

TABLE 3.1—Contd.

| District   | Permanent Pastures and other grazing land |                    |                    |                    | Land under Miscellaneous Tree crops not included in net area sown |                     |                     |                     |
|------------|---|--------------------|--------------------|--------------------|---|---------------------|---------------------|---------------------|
|            | 1962-63<br>(18)                           | 1967-68<br>(19)    | 1972-73<br>(20)    | 1973-74<br>(21)    | 1962-63<br>(22)   | 1967-68<br>(23)     | 1972-73<br>(24)     | 1973-74<br>(25)     |
| Trivandrum | 570<br>(1.04)                             | 550<br>(1.98)      | 550<br>(1.98)      | 550<br>(1.98)      | 679<br>(0.33)   | 216<br>(0.13)       | 643<br>(0.56)       | 489<br>(0.48)       |
| Quilon     | 1340<br>(3.85)                            | 1300<br>(4.68)     | 1300<br>(4.68)     | 1300<br>(4.68)     | 4724<br>(2.26)  | 2000<br>(1.24)      | 749<br>(0.65)       | 980<br>(0.97)       |
| Alleppey   | 336<br>(0.96)                             | 250<br>(0.90)      | 250<br>(0.90)      | 250<br>(0.90)      | 7840<br>(3.75)  | 7221<br>(4.46)      | 6150<br>(5.35)      | 7993<br>(7.98)      |
| Kottayam   | 4503<br>(12.92)                           | 3500<br>(12.59)    | 2513<br>(9.03)     | 2513<br>(9.03)     | 16,820<br>(8.05)  | 3156<br>(1.95)      | 4343<br>(3.78)      | 4549<br>(4.54)      |
| Idukki     | ..  | ..                 | 1388<br>(4.98)     | 1388<br>(4.98)     | ..  | ..                  | 1948<br>(1.69)      | 1636<br>(1.63)      |
| Ernakulam  | 3606<br>(10.35)                           | 2000<br>(7.19)     | 1599<br>(5.75)     | 1599<br>(5.75)     | 10,506<br>(5.03)  | 3994<br>(2.47)      | 505<br>(0.44)       | 630<br>(0.63)       |
| Trichur    | 649<br>(1.86)                             | 500<br>(1.80)      | 500<br>(1.80)      | 500<br>(1.80)      | 1501<br>(0.72)  | 1160<br>(0.72)      | 3631<br>(3.16)      | 3364<br>(3.36)      |
| Palghat    | 6,265<br>(17.98)                          | 5000<br>(17.99)    | 2810<br>(10.11)    | 2810<br>(10.11)    | 31,311<br>(14.99)   | 24,303<br>(15.02)   | 9363<br>(8.14)      | 2004<br>(2.00)      |
| Malappuram | ..  | ..                 | 2369<br>(8.52)     | 2369<br>(8.52)     | ..  | ..                  | 5359<br>(4.66)      | 5034<br>(5.05)      |
| Kozhikode  | 2780<br>(7.98)                            | 2700<br>(9.71)     | 2521<br>(9.07)     | 2521<br>(9.07)     | 42,463<br>(20.33)   | 29,012<br>(17.92)   | 8338<br>(2.90)      | 3576<br>(3.57)      |
| Cannanore  | 14,793<br>(42.46)                         | 12,000<br>(43.18)  | 12,000<br>(43.18)  | 12,000<br>(43.18)  | 93,020<br>(44.55)   | 90,800<br>(56.09)   | 78,978<br>(68.67)   | 69,914<br>(69.79)   |
| State      | 34,841<br>(100.00)                        | 27,800<br>(100.00) | 27,800<br>(100.00) | 27,800<br>(100.00) | 2,08,864<br>(100.00)  | 161,862<br>(100.00) | 115,007<br>(100.00) | 100,169<br>(100.00) |

TABLE 3.1—Contd.

| (1)        | Cultivable Waste   |                   |                   |                   | Fallow land other than current fallow |                   |                   |                   | Current fallow    |                   |                   |                   |
|------------|--------------------|-------------------|-------------------|-------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            | 1962-63<br>(26)    | 1967-68<br>(27)   | 1972-73<br>(28)   | 1973-74<br>(29)   | 1962-63<br>(30)                       | 1967-68<br>(31)   | 1972-73<br>(32)   | 1973-74<br>(33)   | 1962-63<br>(34)   | 1967-68<br>(35)   | 1972-73<br>(36)   | 1973-74<br>(37)   |
| Trivandrum | 1382<br>(1.09)     | 677<br>(0.69)     | 433<br>(0.59)     | 390<br>(0.53)     | 2912<br>(6.73)                        | 741<br>(2.50)     | 718<br>(3.46)     | 717<br>(3.32)     | 2238<br>(5.10)    | 466<br>(2.00)     | 239<br>(0.93)     | 231<br>(0.83)     |
| Quilon     | 4115<br>(3.25)     | 2449<br>(2.49)    | 2157<br>(2.91)    | 2015<br>(2.72)    | 1782<br>(4.12)                        | 1246<br>(4.20)    | 768<br>(3.71)     | 801<br>(3.70)     | 2218<br>(5.05)    | 1384<br>(5.93)    | 399<br>(1.56)     | 488<br>(1.74)     |
| Alleppey   | 2590<br>(2.04)     | 1037<br>(1.05)    | 775<br>(1.05)     | 826<br>(1.11)     | 618<br>(1.43)                         | 1517<br>(5.12)    | 901<br>(4.35)     | 825<br>(3.82)     | 3439<br>(7.84)    | 494<br>(2.12)     | 594<br>(2.31)     | 561<br>(2.01)     |
| Kottayam   | 21774<br>(17.17)   | 16910<br>(17.16)  | 1658<br>(2.24)    | 1451<br>(1.96)    | 1728<br>(3.99)                        | 872<br>(2.94)     | 1338<br>(6.45)    | 1178<br>(5.45)    | 5986<br>(13.64)   | 1815<br>(7.75)    | 2257<br>(8.79)    | 2868<br>(10.26)   |
| Idukki     | ..                 | ..                | 13401<br>(18.11)  | 13428<br>(18.10)  | ..                                    | ..                | 308<br>(1.49)     | 267<br>(1.24)     | ..                | ..                | 3490<br>(13.60)   | 3711<br>(13.28)   |
| Ernakulam  | 8734<br>(6.89)     | 8846<br>(8.77)    | 1805<br>(2.44)    | 1714<br>(2.31)    | 1861<br>(4.30)                        | 2505<br>(8.45)    | 2565<br>(12.37)   | 238<br>(11.01)    | 3214<br>(7.32)    | 2255<br>(9.66)    | 3691<br>(14.38)   | 5080<br>(18.17)   |
| Trichur    | 4802<br>(3.79)     | 2761<br>(2.80)    | 1871<br>(2.53)    | 1934<br>(2.61)    | 603<br>(1.39)                         | 437<br>(1.47)     | 430<br>(2.07)     | 414<br>(1.92)     | 2455<br>(5.59)    | 1860<br>(7.67)    | 1554<br>(6.06)    | 1744<br>(6.24)    |
| Palghat    | 22,663<br>(17.88)  | 19,631<br>(19.92) | 4096<br>(5.53)    | 4108<br>(5.54)    | 6062<br>(14.01)                       | 3966<br>(13.37)   | 2796<br>(13.49)   | 3240<br>(14.98)   | 7857<br>(17.91)   | 5044<br>(21.62)   | 2277<br>(8.87)    | 2108<br>(7.54)    |
| Malappuram | ..                 | ..                | 22,639<br>(30.59) | 23,337<br>(31.46) | ..                                    | ..                | 490<br>(2.36)     | 545<br>(2.52)     | ..                | ..                | 4057<br>(15.81)   | 4813<br>(17.22)   |
| Kozhikode  | 27,325<br>(21.55)  | 22,978<br>(23.31) | 8359<br>(11.29)   | 7996<br>(10.78)   | 7991<br>(18.4)                        | 4012<br>(13.53)   | 2925<br>(14.11)   | 3082<br>(14.25)   | 12733<br>(29.02)  | 5093<br>(21.83)   | 2350<br>(9.16)    | 2082<br>(7.45)    |
| Cannanore  | 33391<br>(26.34)   | 23467<br>(23.81)  | 16816<br>(22.72)  | 16970<br>(22.88)  | 19719<br>(45.56)                      | 14360<br>(48.40)  | 7493<br>(36.14)   | 8171<br>(37.79)   | 3741<br>(8.53)    | 4922<br>(21.09)   | 4756<br>(18.53)   | 4266<br>(15.26)   |
| State      | 126786<br>(100.00) | 98556<br>(100.00) | 74010<br>(100.00) | 74169<br>(100.00) | 43276<br>(100.00)                     | 29656<br>(100.00) | 20732<br>(100.00) | 21621<br>(100.00) | 43881<br>(100.00) | 23333<br>(100.00) | 25664<br>(100.00) | 27952<br>(100.00) |

| (1)        | Net area sown       |                     |                     |                     |                    |                    | Area sown more than once |                    |                     |                     |                     |                     | Total cropped area  |                     |                     |                     |                     |  |
|------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
|            | 1962-63             |                     | 1972-73             |                     | 1973-74            |                    | 1962-63                  |                    | 1972-73             |                     | 1973-74             |                     | 1962-63             |                     | 1972-73             |                     | 1973-74             |  |
|            | (38)                | (39)                | (40)                | (41)                | (42)               | (43)               | (44)                     | (45)               | (46)                | (47)                | (48)                | (49)                | (46)                | (47)                | (48)                | (49)                | (49)                |  |
| Trivandrum | 150257<br>(7.48)    | 152573<br>(7.17)    | 153245<br>(6.98)    | 152279<br>(6.91)    | 47849<br>(10.94)   | 88177<br>(14.02)   | 95778<br>(12.13)         | 92015<br>(11.54)   | 198106<br>(8.09)    | 240750<br>(8.73)    | 249023<br>(8.34)    | 244294<br>(8.14)    | 198106<br>(8.09)    | 240750<br>(8.73)    | 249023<br>(8.34)    | 244294<br>(8.14)    | 244294<br>(8.14)    |  |
| Quilon     | 215934<br>(10.75)   | 223385<br>(10.49)   | 230723<br>(10.50)   | 229590<br>(10.43)   | 55109<br>(12.60)   | 110254<br>(17.54)  | 128558<br>(16.28)        | 141817<br>(17.79)  | 271043<br>(11.08)   | 333639<br>(12.10)   | 359281<br>(12.03)   | 371497<br>(12.38)   | 271043<br>(11.08)   | 333639<br>(12.10)   | 359281<br>(12.03)   | 371497<br>(12.38)   | 371497<br>(12.38)   |  |
| Alleppey   | 158769<br>(7.90)    | 162298<br>(7.62)    | 164454<br>(7.49)    | 162892<br>(7.40)    | 62691<br>(14.33)   | 67715<br>(10.77)   | 72549<br>(9.19)          | 77073<br>(9.67)    | 221460<br>(9.05)    | 230013<br>(8.34)    | 237003<br>(7.94)    | 229965<br>(8.00)    | 221460<br>(9.05)    | 230013<br>(8.34)    | 237003<br>(7.94)    | 229965<br>(8.00)    | 229965<br>(8.00)    |  |
| Kottayam   | 290045<br>(14.43)   | 315643<br>(14.83)   | 183554<br>(8.35)    | 182601<br>(8.29)    | 30206<br>(6.91)    | 38998<br>(6.20)    | 86810<br>(11.00)         | 87614<br>(10.99)   | 320251<br>(13.09)   | 354641<br>(12.86)   | 270364<br>(9.05)    | 270215<br>(9.01)    | 320251<br>(13.09)   | 354641<br>(12.86)   | 270364<br>(9.05)    | 270215<br>(9.01)    | 270215<br>(9.01)    |  |
| Idukki     | ..                  | ..                  | 165644<br>(7.54)    | 166214<br>(7.55)    | ..                 | ..                 | 2576<br>(0.33)           | 5028<br>(0.61)     | ..                  | ..                  | 168220<br>(5.68)    | 171242<br>(5.71)    | ..                  | ..                  | 168220<br>(5.68)    | 171242<br>(5.71)    | 171242<br>(5.71)    |  |
| Ernakulam  | 205072<br>(10.21)   | 216376<br>(10.17)   | 186160<br>(8.47)    | 184541<br>(8.38)    | 22115<br>(5.06)    | 56374<br>(8.97)    | 35471<br>(4.49)          | 40585<br>(5.09)    | 227187<br>(9.28)    | 272750<br>(9.89)    | 225126<br>(7.42)    | 225126<br>(7.51)    | 227187<br>(9.28)    | 272750<br>(9.89)    | 225126<br>(7.42)    | 225126<br>(7.51)    | 225126<br>(7.51)    |  |
| Trichur    | 134200<br>(6.68)    | 137178<br>(6.44)    | 139562<br>(6.35)    | 138569<br>(6.29)    | 69834<br>(15.97)   | 82829<br>(13.18)   | 104222<br>(13.20)        | 107353<br>(13.46)  | 204034<br>(8.34)    | 220009<br>(7.98)    | 243782<br>(8.16)    | 245915<br>(8.20)    | 204034<br>(8.34)    | 220009<br>(7.98)    | 243782<br>(8.16)    | 245915<br>(8.20)    | 245915<br>(8.20)    |  |
| Palghat    | 247020<br>(12.29)   | 270082<br>(12.69)   | 289091<br>(13.16)   | 292349<br>(13.27)   | 82106<br>(18.77)   | 88941<br>(14.15)   | 51025<br>(6.46)          | 50830<br>(6.38)    | 329126<br>(13.45)   | 359023<br>(13.02)   | 340116<br>(11.40)   | 343179<br>(11.44)   | 329126<br>(13.45)   | 359023<br>(13.02)   | 340116<br>(11.40)   | 343179<br>(11.44)   | 343179<br>(11.44)   |  |
| Malappuram | ..                  | ..                  | 212239<br>(9.66)    | 210924<br>(9.58)    | ..                 | ..                 | 45326<br>(5.74)          | 48944<br>(6.14)    | ..                  | ..                  | 257565<br>(8.62)    | 259868<br>(8.66)    | ..                  | ..                  | 257565<br>(8.62)    | 259868<br>(8.66)    | 259868<br>(8.66)    |  |
| Kozhikode  | 331247<br>(16.49)   | 359575<br>(16.89)   | 163579<br>(7.45)    | 165647<br>(7.52)    | 36994<br>(8.46)    | 54029<br>(8.60)    | 112062<br>(14.20)        | 112685<br>(14.14)  | 368341<br>(15.05)   | 413604<br>(15.00)   | 275641<br>(9.23)    | 278332<br>(9.28)    | 368341<br>(15.05)   | 413604<br>(15.00)   | 275641<br>(9.23)    | 278332<br>(9.28)    | 278332<br>(9.28)    |  |
| Cannanore  | 276785<br>(13.77)   | 291735<br>(13.70)   | 308740<br>(14.05)   | 316684<br>(14.38)   | 30437<br>(6.96)    | 41277<br>(6.57)    | 55112<br>(6.98)          | 33354<br>(4.19)    | 307722<br>(12.57)   | 333012<br>(12.08)   | 363852<br>(12.18)   | 350038<br>(11.67)   | 307722<br>(12.57)   | 333012<br>(12.08)   | 363852<br>(12.18)   | 350038<br>(11.67)   | 350038<br>(11.67)   |  |
| State      | 2009329<br>(100.00) | 2128845<br>(100.00) | 2196989<br>(100.00) | 2202283<br>(100.00) | 437341<br>(100.00) | 628594<br>(100.00) | 789489<br>(100.00)       | 797298<br>(100.00) | 2447270<br>(100.00) | 2757439<br>(100.00) | 2984478<br>(100.00) | 2999581<br>(100.00) | 2447270<br>(100.00) | 2757439<br>(100.00) | 2984478<br>(100.00) | 2999581<br>(100.00) | 2999581<br>(100.00) |  |



TABLE 3.2

## LAND UTILISATION

Percentage of net area sown to total cropped area

| <i>Districts</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|------------------|---------|---------|---------|---------|
| Trivandrum       | 75.85   | 63.37   | 61.54   | 62.33   |
| Quilon           | 79.67   | 66.95   | 64.22   | 61.82   |
| Alleppey         | 71.69   | 70.56   | 69.39   | 67.88   |
| Kottayam         | 90.57   | 89.00   | 67.89   | 67.58   |
| Idukki           | ..      | ..      | 98.47   | 97.06   |
| Ernakulam        | 90.27   | 79.33   | 84.00   | 81.97   |
| Trichur          | 65.77   | 62.35   | 57.25   | 56.35   |
| Palghat          | 75.05   | 75.23   | 85.00   | 85.19   |
| Malappuram       | ..      | ..      | 82.40   | 81.17   |
| Kozhikode        | 89.93   | 86.94   | 59.34   | 59.51   |
| Cannanore        | 90.09   | 87.60   | 84.85   | 90.47   |
| Kerala           | 82.12   | 77.04   | 73.56   | 73.42   |

TABLE 3.3

## LAND UTILISATION

Percentage of area sown more than once to net area sown

| <i>District</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|-----------------|---------|---------|---------|---------|
| Trivandrum      | 31.84   | 57.79   | 62.50   | 60.43   |
| Quilon          | 25.52   | 49.36   | 55.72   | 61.77   |
| Alleppey        | 39.49   | 41.72   | 44.12   | 47.32   |
| Kottayam        | 10.41   | 12.36   | 47.29   | 47.98   |
| Idukki          | ..      | ..      | 1.56    | 3.03    |
| Ernakulam       | 10.78   | 26.05   | 19.05   | 21.99   |
| Trichur         | 52.04   | 60.38   | 74.68   | 77.48   |
| Palghat         | 33.24   | 32.93   | 17.65   | 17.39   |
| Malappuram      | ..      | ..      | 21.36   | 23.20   |
| Kozhikode       | 11.17   | 15.03   | 68.51   | 68.03   |
| Cannanore       | 11.00   | 14.15   | 17.85   | 10.53   |
| Kerala          | 21.76   | 29.53   | 35.94   | 36.20   |

TABLE 3.4

**Area Irrigated through Major and medium irrigation schemes in Kerala  
1970-71 to 1973-74**

(Area in hectares)

| District   | Cumulative area irrigated in hectares |       |         |       |         |       |         |       |
|------------|---------------------------------------|-------|---------|-------|---------|-------|---------|-------|
|            | 1970-71                               |       | 1971-72 |       | 1972-73 |       | 1973-74 |       |
|            | Gross                                 | Net   | Gross   | Net   | Gross   | Net   | Gross   | Net   |
| Trivandrum | 10734                                 | 5367  | 11554   | 5777  | 13164   | 6582  | 13964   | 6982  |
| Ernakulam  | 21132                                 | 8196  | 30490   | 11775 | 32246   | 12453 | 37546   | 14483 |
| Trichur    | 61642                                 | 34027 | 61748   | 34080 | 62686   | 34549 | 63086   | 34749 |
| Palghat    | 72408                                 | 36154 | 72582   | 36291 | 75607   | 37831 | 78346   | 39273 |
| Kozhikode  | ..                                    | ..    | ..      | ..    | 1750    | 800   | 3500    | 1600  |
| Total      | 165916                                | 83744 | 176374  | 87923 | 185453  | 92215 | 196442  | 97087 |

Source: Chief Engineer (Irrigation Department).

TABLE 3.5

**Area irrigated by Minor irrigation and lift irrigation Schemes upto 1973-74**

| District   | Cumulative area irrigated as on 31-3-1974. |        |                 |       |        |       |        |        |
|------------|--|--------|-----------------|-------|--------|-------|--------|--------|
|            | M.I. Class I and II                        |        | Lift irrigation |       | Others |       | Total  |        |
|            | Net  | Gross  | Net             | Gross | Net    | Gross | Net    | Gross  |
| (1)        | (2)  | (3)    | (4)             | (5)   | (6)    | (7)   | (8)    | (9)    |
| Trivandrum | 14156                                      | 14156  | ..              | ..    | ..     | ..    | 14156  | 14156  |
| Quilon     | 18781                                      | 18781  | 636             | 636   | 55     | 55    | 19472  | 19472  |
| Alleppey   | 20401                                      | 20401  | 4823            | 4823  | 716    | 716   | 25940  | 25940  |
| Kottayam   | 7385                                       | 7385   | 482             | 482   | 2940   | 2940  | 10807  | 10807  |
| Idukki     | 374  | 374    | ..              | ..    | ..     | ..    | 374    | 374    |
| Ernakulam  | 10503                                      | 21006  | 10236           | 20472 | 285    | 570   | 21024  | 42048  |
| Trichur    | 8516                                       | 8516   | 3138            | 3138  | 941    | 941   | 12595  | 12595  |
| Palghat    | 11259                                      | 22518  | 1120            | 2240  | ..     | ..    | 12379  | 24759  |
| Malappuram | 8555                                       | 8555   | 3057            | 3057  | ..     | ..    | 11612  | 11612  |
| Kozhikode  | 4952                                       | 4952   | 17              | 17    | 706    | 706   | 5675   | 5675   |
| Cannanore  | 18117                                      | 18117  | 350             | 350   | ..     | ..    | 18467  | 18467  |
| Total      | 122999                                     | 144761 | 23859           | 35215 | 5643   | 5928  | 152501 | 185904 |

Source: Chief Engineer (Irrigation Department).

TABLE 3.6

## Percentage change in productivity of important (crops in Kerala by districts 1960-61—1970-71)

| Name of crop<br>(1)           | Trivandrum Quilon Alleppey Kottayam Ernakulam Trichur Palghat Kozhikode Cannanore Kerala |         |         |         |         |         |        |         |        |         |
|-------------------------------|--|---------|---------|---------|---------|---------|--------|---------|--------|---------|
|                               | (2)  | (3)     | (4)     | (5)     | (6)     | (7)     | (8)    | (9)     | (10)   | (11)    |
| <b>Food Crops:</b>            |  |         |         |         |         |         |        |         |        |         |
| 1. Rice                       | -5.05  | +2.40   | +12.00  | +6.74   | +0.51   | +14.91  | +8.60  | -3.80   | +26.11 | +8.24   |
| 2. Jowar                      | ..   | ..      | ..      | ..      | ..      | ..      | +28.31 | ..      | ..     | +26.83  |
| 3. Ragi                       | ..   | +39.27  | ..      | ..      | -33.90  | -20.62  | -55.34 | -60.57  | -7.38  | -32.48  |
| 4. Other cereals and millets  | ..   | ..      | ..      | ..      | ..      | ..      | +18.15 | ..      | ..     | -11.06  |
| 5. Pulses                     | +1.31  | -16.63  | +12.09  | -42.71  | +31.95  | -2.61   | -27.49 | -50.11  | +36.46 | -11.06  |
| 6. Sugarcane                  | ..   | -3.32   | +5.56   | +29.07  | +19.53  | ..      | +95.41 | ..      | -17.03 | +18.08  |
| 7. Pepper                     | -14.39   | +3.81   | -24.88  | -22.76  | -32.60  | +85.68  | -32.18 | -31.58  | -23.50 | -21.40  |
| 8. Chillies                   | ..   | +21.16  | ..      | ..      | +104.25 | +74.41  | -57.92 | +67.88  | +54.91 | -82.62  |
| 9. Ginger                     | ..   | ..      | ..      | ..      | +2.12   | +74.89  | ..     | +47.16  | -67.99 | +161.34 |
| 10. Turmeric                  | ..   | ..      | ..      | ..      | -48.89  | +17.39  | ..     | +40.91  | +24.44 | +27.27  |
| 11. Cannanore                 | ..   | ..      | ..      | ..      | -29.70  | -15.33  | +4.25  | -9.84   | -87.06 | -12.30  |
| 12. Arecanut                  | +8.93  | +41.32  | +9.18   | -29.70  | -15.33  | +4.25   | -9.84  | -87.06  | -12.30 | +4.09   |
| 13. Banana and other plantain | +3.11  | +6.30   | +2.77   | +3.15   | +4.48   | +4.49   | +2.46  | +0.95   | +1.65  | +2.53   |
| 14. Cashewnut                 | -27.98   | -27.98  | -28.03  | -27.98  | -27.98  | -27.98  | -27.98 | -27.98  | -28.03 | -27.98  |
| 15. Tapioca                   | +71.37   | +160.85 | +156.40 | +167.63 | +121.01 | +110.62 | +46.47 | +133.83 | +84.03 | +126.35 |

TABLE 3.7  
Area under Commercial Crops \*

| District   | 1962-63 |         | 1967-68 |         | 1972-73 |         | 1973-74 |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|
|            | (1)     | (2)     | (3)     | (4)     | (5)     | (6)     | (7)     | (8)     |
| Trivandrum | 78446   | (7.72)  | 95266   | (8.07)  | 104172  | (7.55)  | 98620   | (7.09)  |
| Quilon     | 116178  | (11.40) | 135157  | (11.44) | 164747  | (11.94) | 175253  | (12.59) |
| Alleppey   | 78166   | (7.70)  | 91097   | (7.71)  | 94133   | (6.82)  | 96719   | (6.95)  |
| Kottayam   | 186970  | (18.41) | 209652  | (17.75) | 145327  | (10.53) | 146662  | (10.54) |
| Idikki     | ..      | ..      | ..      | ..      | 119146  | (8.63)  | 121222  | (8.71)  |
| Ernakulam  | 84090   | (8.28)  | 114262  | (9.67)  | 92448   | (6.70)  | 96154   | (6.91)  |
| Trichur    | 59526   | (5.86)  | 67609   | (5.72)  | 89255   | (6.47)  | 91984   | (6.61)  |
| Palghat    | 52345   | (5.15)  | 62796   | (5.31)  | 52565   | (3.81)  | 54840   | (3.93)  |
| Malappuram | ..      | ..      | ..      | ..      | 120306  | (8.72)  | 123024  | (8.84)  |
| Kozhikode  | 194922  | (19.19) | 226230  | (19.16) | 174842  | (12.67) | 178169  | (12.88) |
| Cannanore  | 165548  | (16.29) | 179233  | (15.17) | 222912  | (16.16) | 208041  | (14.95) |
| State      | 1016191 | 100.00  | 1181302 | 100.00  | 1379853 | 100.00  | 1390688 | 100.00  |

\* Commercial crops includes Pepper, Ginger, Cardamom, Arccanut, Cashewnut, Coconut, Tea, Coffee and Rubber.)  
(The figures in brackets are percentage)

TABLE 3.8

## Chemical fertilisers distributed (M.T.)

| District   | Chemical fertilizer distributed per hectare of total cropped area (K.g.) |               |               |         |         |         |  |
|------------|--|---------------|---------------|---------|---------|---------|--|
|            | 1962-63  | 1967-68       | 1972-73       | 1962-63 | 1967-68 | 1972-73 |  |
| (1)        | (2)  | (3)           | (4)           | (5)     | (6)     | (7)     |  |
| Trivandrum | 2930 (4.55)  | 9042 (9.24)   | 12620 (6.07)  | 14.8    | 37.6    | 50.7    |  |
| Quilon     | 5438 (8.45)  | 9482 (9.69)   | 12771 (6.14)  | 20.1    | 28.4    | 35.5    |  |
| Alleppey   | 13346 (20.74)  | 15962 (16.32) | 28643 (13.77) | 60.3    | 69.4    | 120.9   |  |
| Kottayam   | 13577 (21.10)  | 11328 (11.58) | 44337 (21.32) | 42.4    | 31.9    | 101.1   |  |
| Idikki     |  |               |               |         |         |         |  |
| Ernakulam  | 5233 (8.90)  | 8948 (9.14)   | 25699 (12.36) | 25.2    | 32.8    | 116.0   |  |
| Trichur    | 5702 (8.86)  | 10983 (11.22) | 20201 (9.71)  | 27.9    | 49.9    | 82.9    |  |
| Palghat    | 10331 (16.05)  | 15531 (15.87) | 23384 (11.25) | 31.4    | 43.3    | 68.8    |  |
| Malappuram |  |               | 9526 (4.58)   |         |         | 37.0    |  |
| Kozhikode  | 3911 (6.08)  | 8964 (9.16)   | 17003 (8.18)  | 10.6    | 21.4    | 61.7    |  |
| Cannanore  | 3389 (5.27)  | 7616 (7.78)   | 13774 (6.62)  | 11.0    | 22.9    | 37.8    |  |
| State      | 64357 100.00   | 97856 100.00  | 207938 100.00 | 26.3    | 35.4    | 69.6    |  |

TABLE 3.9

## Cultivable Area\*

(In Hectares)

| District     | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|--------------|---------|---------|---------|---------|
| (1)          | (2)     | (3)     | (4)     | (5)     |
| Trivandrum   | 157468  | 154673  | 155278  | 154106  |
| Quilon       | 228773  | 230464  | 234796  | 233874  |
| Alleppey     | 173256  | 172567  | 172874  | 173097  |
| Kottayam     | 336353  | 338396  | 193150  | 192647  |
| Idikki       | ..      | ..      | 184791  | 185236  |
| Ernakulam    | 229387  | 233726  | 194726  | 194346  |
| Trichur      | 143561  | 143396  | 147046  | 146018  |
| Palghat      | 314913  | 323026  | 307623  | 303809  |
| Malappuram   | ..      | ..      | 244784  | 244653  |
| Kozhikode    | 421759  | 420670  | 180551  | 182383  |
| Cannanore    | 426656  | 425284  | 416783  | 416005  |
| Kerala State | 2432126 | 2442202 | 2432402 | 2426174 |

\* Cultivable area includes net area sown, current fallow fallow land other than current fallow, cultivable waste and miscellaneous tree crops and groves not included in net area sown.

Separate information pertaining to Idikki and Malappuram districts are not available for 62-63 and 67-68

TABLE 3.10

## Per Capita availability of cultivable area †

(Area in Ares)

| District   | 1962-63 | 1967-68 | 1972-73 | 1973-74 |
|------------|---------|---------|---------|---------|
| (1)        | (2)     | (3)     | (4)     | (5)     |
| Trivandrum | 8.57    | 7.36    | 6.66    | 6.61    |
| Quilon     | 11.20   | 9.84    | 9.38    | 9.18    |
| Alleppey   | 9.09    | 8.31    | 7.92    | 7.83    |
| Kottayam   | 18.43   | 16.25   | 12.23   | 12.07   |
| Idikki     | ..      | ..      | 23.01   | 22.54   |
| Ernakulam  | 11.72   | 10.84   | 8.63    | 8.44    |
| Trichur    | 8.32    | 7.58    | 6.63    | 6.27    |
| Palghat    | 16.83   | 16.22   | 17.62   | 17.11   |
| Malappuram | ..      | ..      | 12.53   | 12.20   |
| Kozhikode  | 15.31   | 13.58   | 8.15    | 8.04    |
| Cannanore  | 22.77   | 19.97   | 16.75   | 16.32   |
| State      | 13.67   | 12.29   | 10.94   | 10.67   |

† Cultivable area includes net area sown, current fallow, fallow land other than current fallow, cultivable waste and miscellaneous tree crops and groves not included in net area sown.

TABLE 3.11

## Average size of operational holdings in Kerala by districts (for each size group) 1966-67.

| Size of operational holdings<br>(acres) | Average area per holding (acres)   |       |       |       |      |       |       |       |       |       |       |
|---|--|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
|   | (1)  | (2)   | (3)   | (4)   | (5)  | (6)   | (7)   | (8)   | (9)   | (10)  | (11)  |
|   | Trivandrum    Quilon    Alleppey    Kottayam    Ernakulam    Trichur    Palghat    Kozhikode    Cannanore    State |       |       |       |      |       |       |       |       |       |       |
| Less than 1.00                          | 0.39   | 0.39  | 0.39  | 0.36  | 0.38 | 0.34  | 0.32  | 0.35  | 0.44  | 0.40  | 0.38  |
| 1.00—2.50                               | 1.50   | 1.42  | 1.42  | 1.61  | 1.71 | 1.59  | 1.60  | 1.58  | 1.48  | 1.57  | 1.54  |
| 2.50—5.00                               | 3.77   | 3.71  | 3.71  | 3.72  | 3.36 | 3.66  | 3.56  | 3.44  | 3.28  | 3.68  | 3.57  |
| 5.00—10.00                              | 6.60   | 7.23  | 7.23  | 7.63  | 6.90 | 6.83  | 6.69  | 6.89  | 6.53  | 7.02  | 6.90  |
| 10.00—15.00                             | 12.07  | 10.41 | 10.41 | 12.50 | 12.8 | 13.10 | 11.25 | 11.93 | 12.67 | 12.04 | 12.04 |
| 15.00—20.00                             | 11.00  | 16.00 | 16.00 | 17.00 | 16.3 | 15.60 | 16.94 | 12.94 | 17.38 | 16.19 | 16.68 |
| 20.00—25.00                             | ..   | ..    | ..    | 21.67 | 16.5 | 19.50 | 23.33 | 21.67 | 21.86 | 20.81 | 22.28 |
| 25 and above                            | 20.00  | 32.00 | 32.00 | 91.20 | 39.6 | 29.14 | 43.08 | 36.88 | 60.33 | 74.40 | 48.94 |
| Total                                   | 1.21   | 1.48  | 1.48  | 1.17  | 3.25 | 1.62  | 2.27  | 1.77  | 1.35  | 3.06  | 1.82  |

Source: Land Reforms Survey of Kerala.

TABLE 3.12

## Percentage distribution of operational land holdings in Kerala by districts 1966-67.

| Size of operational holdings<br>(acres) | Percentage distribution of operational holdings |        |                 |        |                 |        |                 |        |                 |        |  |
|---|---|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|--|
|   | Trivandrum                                      |        | Quilon          |        | Alleppey        |        | Kottayam        |        | Ernakulam       |        |  |
|   | No. of holdings                                 | Area   | No. of holdings | Area   | No. of holdings | Area   | No. of holdings | Area   | No. of holdings | Area   |  |
| (1)                                     | (2)   | (3)    | (4)             | (5)    | (6)             | (7)    | (8)             | (9)    | (10)            | (11)   |  |
| Less than 1.00                          | 66.6  | 21.3   | 57.4            | 15.0   | 72.9            | 22.0   | 46.3            | 5.4    | 66.1            | 13.8   |  |
| 1.00—2.50                               | 22.6  | 28.0   | 26.8            | 25.7   | 16.6            | 22.8   | 23.2            | 12.3   | 15.4            | 15.1   |  |
| 2.50—5.00                               | 6.1   | 18.9   | 8.7             | 21.8   | 8.9             | 28.1   | 11.8            | 12.2   | 9.2             | 20.7   |  |
| 5.00—10.00                              | 3.5   | 19.2   | 5.9             | 28.5   | 1.0             | 6.9    | 12.0            | 25.6   | 7.5             | 31.8   |  |
| 10.00—15.00                             | 1.2   | 11.6   | 1.2             | 8.1    | 0.2             | 1.7    | 3.5             | 13.7   | 1.1             | 9.3    |  |
| 15.00—20.00                             | ..  | 0.4    | ..              | 0.3    | 0.1             | 1.1    | 1.1             | 5.5    | 0.3             | 3.4    |  |
| 20.00—25.00                             | ..  | ..     | ..              | ..     | 0.1             | 2.2    | 0.1             | 0.5    | 0.1             | 0.9    |  |
| 25 and above                            | ..  | 0.6    | ..              | 0.6    | 0.2             | 15.2   | 2.1             | 24.8   | 0.3             | 5.0    |  |
| Total                                   | 100.00  | 100.00 | 100.00          | 100.00 | 100.00          | 100.00 | 100.00          | 100.00 | 100.00          | 100.00 |  |

Source: Land Reforms Survey of Kerala.



TABLE 3.12 (Contd.)

| Size of operational holdings<br>(acres) | Percentage distribution of operational holdings |        |                |        |                |        |                |        |
|---|---|--------|----------------|--------|----------------|--------|----------------|--------|
|   | Trichur   |        | Palghat        |        | Kozhikode      |        | Cannanore      |        |
|   | No. of holding                                  | Area   | No. of holding | Area   | No. of holding | Area   | No. of holding | Area   |
| (1)                                     | (13)  | (14)   | (15)           | (16)   | (17)           | (18)   | (19)           | (19)   |
| Less than 1.00                          | 59.2  | 8.3    | 63.3           | 12.5   | 60.3           | 20.2   | 42.2           | 5.6    |
| 1.00—2.50                               | 16.2  | 11.4   | 18.4           | 16.3   | 25.8           | 28.4   | 22.5           | 15.1   |
| 2.50—5.00                               | 11.9  | 18.7   | 9.3            | 18.0   | 11.1           | 27.0   | 14.7           | 17.7   |
| 5.00—10.00                              | 7.3   | 24.4   | 5.8            | 22.7   | 1.9            | 9.2    | 8.4            | 19.1   |
| 10.00—15.00                             | 2.0   | 9.7    | 2.2            | 15.0   | 0.4            | 3.4    | 2.9            | 11.6   |
| 15.00—20.00                             | 0.9   | 6.9    | 0.3            | 2.9    | 0.2            | 2.8    | 0.8            | 4.4    |
| 20.00—25.00                             | 0.8   | 8.3    | 0.2            | 2.3    | 0.2            | 2.8    | 0.6            | 4.3    |
| 25 and above                            | 0.7   | 12.3   | 0.5            | 10.3   | 0.1            | 6.5    | 0.9            | 22.2   |
| Total                                   | 100.00  | 100.00 | 100.00         | 100.00 | 100.00         | 100.00 | 100.00         | 100.00 |

Source: Land Reforms Survey of Kerala.

TABLE 3.13

## Percentage distribution of livestock population in Kerala by districts 1966

| Item                          | Trivandrum Quilon Alappay Kottayam Ernakulam Trichur Palghat Kozhikode Cannanore State |       |       |       |       |       |       |       |       |        |      |
|-------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
|                               | (1)  | (2)   | (3)   | (4)   | (5)   | (6)   | (7)   | (8)   | (9)   | (10)   | (11) |
| <b>I. Cattle:</b>             |  |       |       |       |       |       |       |       |       |        |      |
| 1. Total males over 3 years   | 3.52   | 10.00 | 3.52  | 6.46  | 15.94 | 10.89 | 15.99 | 19.48 | 14.20 | 100.00 |      |
| 2. Cattle in milk             | 6.29   | 12.27 | 11.99 | 15.05 | 9.27  | 7.69  | 11.56 | 11.91 | 13.97 | 100.00 |      |
| 3. Total females over 3 ye    | 5.45   | 13.10 | 13.68 | 15.06 | 9.00  | 6.46  | 10.16 | 12.96 | 14.13 | 100.00 |      |
| 4. Young stock                | 5.72   | 13.28 | 11.61 | 14.78 | 9.88  | 7.74  | 10.37 | 11.85 | 13.77 | 100.00 |      |
| Total cattle                  | 5.20   | 12.61 | 11.42 | 13.38 | 10.61 | 7.77  | 11.30 | 13.71 | 14.00 | 100.00 |      |
| <b>II. Buffaloes:</b>         |  |       |       |       |       |       |       |       |       |        |      |
| 1. Total males over 3 years   | 6.39   | 4.64  | 3.33  | 2.28  | 4.41  | 13.92 | 45.51 | 12.02 | 7.50  | 100.00 |      |
| 2. Buffaloes in milk          | 13.11  | 7.21  | 3.25  | 5.81  | 6.30  | 16.24 | 20.59 | 15.68 | 11.81 | 100.00 |      |
| 3. Total females over 3 years | 13.09  | 7.49  | 3.90  | 5.87  | 5.03  | 14.06 | 20.44 | 16.97 | 23.15 | 100.00 |      |
| 4. Young stock                | 10.74  | 6.24  | 2.32  | 5.45  | 3.75  | 14.21 | 30.50 | 15.49 | 11.30 | 100.00 |      |
| Total buffaloes               | 9.07   | 5.74  | 3.31  | 3.86  | 4.47  | 14.02 | 35.71 | 14.04 | 9.78  | 100.00 |      |
| III. Total sheep and goat     | 10.79  | 11.53 | 6.75  | 13.46 | 12.06 | 9.73  | 13.31 | 13.79 | 8.58  | 100.00 |      |
| IV. Total pigs                | 3.40   | 0.53  | 0.15  | 56.75 | 33.48 | 1.30  | 0.32  | 1.10  | 2.97  | 100.00 |      |
| V. Total livestock            | 6.99   | 11.37 | 9.12  | 13.47 | 10.89 | 8.73  | 14.11 | 13.43 | 11.89 | 100.00 |      |
| VI. Total poultry             | 8.11   | 9.87  | 11.51 | 13.81 | 13.18 | 10.31 | 9.53  | 15.34 | 8.34  | 100.00 |      |

Source. Livestock Census—1966.

TABLE 3.14

## Percentage distribution of livestock population in Kerala by districts 1972

| Item                          | Trivandrum | Quilon | Alleppey | Kottayam | Idukki | Ernakulam | Trichur | Palghat | Malappuram | Kozhikode | Cannanore | State  |
|-------------------------------|------------|--------|----------|----------|--------|-----------|---------|---------|------------|-----------|-----------|--------|
| (1)                           | (2)        | (3)    | (4)      | (5)      | (6)    | (7)       | (8)     | (9)     | (10)       | (11)      | (12)      | (13)   |
| <b>I. CATTLE</b>              |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total males over 3 years   | 3.58       | 9.06   | 3.00     | 3.31     | 3.10   | 14.12     | 12.10   | 15.12   | 12.16      | 8.26      | 16.19     | 100.00 |
| 2. Cattle in milk             | 7.22       | 12.66  | 13.50    | 9.70     | 5.04   | 8.43      | 7.35    | 9.16    | 5.96       | 9.35      | 11.63     | 100.00 |
| 3. Total females over 3 years | 6.30       | 13.72  | 13.63    | 10.20    | 5.04   | 7.95      | 6.55    | 9.14    | 5.63       | 9.33      | 12.51     | 100.00 |
| 4. Young stock                | 6.07       | 14.40  | 12.62    | 10.64    | 5.01   | 9.08      | 7.75    | 8.75    | 4.99       | 8.14      | 12.55     | 100.00 |
| Total cattle                  | 5.83       | 13.36  | 11.76    | 9.43     | 4.77   | 9.26      | 7.80    | 9.80    | 6.27       | 8.70      | 13.02     | 100.00 |
| <b>II. BUFFALOES</b>          |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total males over 3 years   | 6.21       | 4.17   | 2.64     | 0.86     | 0.83   | 4.64      | 13.53   | 39.98   | 14.57      | 5.08      | 7.53      | 100.00 |
| 2. Buffaloes in milk          | 13.97      | 8.13   | 5.51     | 3.25     | 4.53   | 6.90      | 14.04   | 16.61   | 11.40      | 7.26      | 10.40     | 100.00 |
| 3. Total females over 3 years | 13.47      | 8.25   | 3.63     | 3.01     | 4.34   | 5.53      | 12.80   | 19.26   | 12.13      | 6.87      | 10.66     | 100.00 |
| 4. Young stock                | 10.53      | 7.31   | 2.44     | 1.90     | 3.96   | 4.11      | 15.03   | 27.44   | 12.61      | 5.37      | 9.30      | 100.00 |
| Total buffaloes               | 9.43       | 6.12   | 2.95     | 1.77     | 2.59   | 4.83      | 13.57   | 30.72   | 13.39      | 5.73      | 8.90      | 100.00 |
| <b>III. SHEEP AND GOAT</b>    |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total sheep and goat       | 10.13      | 12.18  | 6.82     | 9.99     | 4.14   | 11.03     | 9.71    | 9.63    | 9.29       | 9.31      | 7.77      | 100.00 |
| <b>IV. PIGS</b>               |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total pigs                 | 10.85      | 0.75   | 0.11     | 33.88    | 19.88  | 24.98     | 1.66    | 0.33    | 0.07       | 2.92      | 4.87      | 100.00 |
| <b>V. LIVESTOCK</b>           |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total livestock            | 7.60       | 11.98  | 9.13     | 9.50     | 4.77   | 9.78      | 8.76    | 11.50   | 7.69       | 8.45      | 10.84     | 100.00 |
| <b>VI. POULTRY</b>            |            |        |          |          |        |           |         |         |            |           |           |        |
| 1. Total poultry              | 8.40       | 9.50   | 13.53    | 8.92     | 3.81   | 11.53     | 10.26   | 7.56    | 9.81       | 4.46      | 8.22      | 100.00 |

Source: Livestock census 1972.

TABLE 4.1  
Industries covered by ASI—Economic Indicators

| State/District | No. of factories reported |                 |                 | Productive capital (Rs. in lakhs.) |                     |                      | No. of persons employed |                    |                    |      |
|----------------|---------------------------|-----------------|-----------------|------------------------------------|---------------------|----------------------|-------------------------|--------------------|--------------------|------|
|                | 1962                      | 1964            | 1971            | 1962                               | 1964                | 1971                 | 1962                    | 1964               | 1971               |      |
| (1)            | (2)                       | (3)             | (4)             | (5)                                | (6)                 | (7)                  | (8)                     | (9)                | (10)               | (11) |
| 1. Trivandrum  | 25<br>(4.70)              | 22<br>(3.80)    | 42<br>(5.13)    | 380.00<br>(6.70)                   | 279.44<br>(3.80)    | 9846.28<br>(38.79)   | 8401<br>(6.13)          | 7689<br>(5.28)     | 27357<br>(14.64)   |      |
| 2. Quilon      | 169<br>(31.77)            | 181<br>(31.25)  | 238<br>(29.10)  | 730.00<br>(12.87)                  | 891.77<br>(12.14)   | 1536.75<br>(6.04)    | 65879<br>(48.08)        | 72154<br>(49.59)   | 826674<br>(44.25)  |      |
| 3. Alleppey    | 33<br>(6.20)              | 27<br>(4.66)    | 43<br>(5.26)    | 280.44<br>(4.95)                   | 391.14<br>(5.32)    | 539.31<br>(2.32)     | 11348<br>(8.28)         | 10990<br>(7.55)    | 6892<br>(3.69)     |      |
| 4. Kottayam    | 61<br>(11.47)             | 70<br>(12.09)   | 51<br>(6.23)    | 440.00<br>(7.76)                   | 595.12<br>(8.10)    | 710.41<br>(2.80)     | 5484<br>(4.00)          | 6014<br>(4.13)     | 4454<br>(2.38)     |      |
| 5. Idukki      | ..                        | ..              | 47<br>(5.75)    | ..                                 | ..                  | 332.67<br>(1.3)      | ..                      | ..                 | 3055<br>(1.64)     |      |
| 6. Ernakulam   | 43<br>(8.08)              | 51<br>(8.82)    | 90<br>(11.00)   | 2635.00<br>(46.47)                 | 2964.04<br>(40.34)  | 8417.66<br>(33.16)   | 13269<br>(9.69)         | 13192<br>(9.07)    | 22266<br>(11.92)   |      |
| 7. Trichur     | 67<br>(12.60)             | 76<br>(13.13)   | 109<br>(13.33)  | 433.00<br>(7.64)                   | 624.72<br>(8.50)    | 1426.17<br>(5.62)    | 9946<br>(7.26)          | 10814<br>(7.43)    | 11759<br>(6.29)    |      |
| 8. Palghat     | 28<br>(5.26)              | 33<br>(5.70)    | 37<br>(4.52)    | 83.00<br>(1.46)                    | 196.24<br>(2.67)    | 524.47<br>(2.07)     | 3095<br>(2.26)          | 3254<br>(2.24)     | 4121<br>(2.21)     |      |
| 9. Malappuram  | ..                        | ..              | 8<br>(0.98)     | ..                                 | ..                  | 84.99<br>(0.33)      | ..                      | ..                 | 654<br>(0.34)      |      |
| 10. Kozhikode  | 68<br>(12.78)             | 76<br>(13.13)   | 99<br>(12.10)   | 405.00<br>(7.16)                   | 1056.49<br>(14.38)  | 1373.51<br>(5.41)    | 12490<br>(9.12)         | 13933<br>(9.58)    | 14723<br>(7.88)    |      |
| 11. Cannanore  | 38<br>(7.14)              | 43<br>(7.42)    | 54<br>(6.60)    | 283.00<br>(4.99)                   | 349.16<br>(4.75)    | 547.08<br>(2.15)     | 7101<br>(5.18)          | 7454<br>(5.13)     | 8878<br>(4.76)     |      |
| State          | 532<br>(100.00)           | 579<br>(100.00) | 818<br>(100.00) | 5670.44<br>(100.00)                | 7348.12<br>(100.00) | 25389.30<br>(100.00) | 137013<br>(100.00)      | 145494<br>(100.00) | 186893<br>(100.00) |      |

| State/District | Wages, salaries and other benefits<br>(Rs. in lakhs) |                     |                     |                     |                     | Value added by manufacture<br>(Rs. in lakhs) |                     |                     |                     |                     |
|----------------|--|---------------------|---------------------|---------------------|---------------------|--|---------------------|---------------------|---------------------|---------------------|
|                | 1962<br>(1)  | 1964<br>(2)         | 1964<br>(3)         | 1971<br>(4)         | 1962<br>(5)         | 1964<br>(6)                                  | 1962<br>(7)         | 1971<br>(8)         | 1964<br>(9)         | 1971<br>(10)        |
| 1. Trivandrum  | 92.00<br>(6.86)                                      | 99.34<br>(6.41)     | 99.34<br>(6.41)     | 944.54<br>(21.96)   | 90.00<br>(3.73)     | 147.11<br>(4.99)                             | 90.00<br>(3.73)     | 1862.82<br>(19.22)  | 147.11<br>(4.99)    | 1862.82<br>(19.22)  |
| 2. Quilon      | 378.00<br>(28.18)                                    | 462.39<br>(29.82)   | 462.39<br>(29.82)   | 690.47<br>(16.05)   | 617.00<br>(25.57)   | 855.20<br>(29.01)                            | 617.00<br>(25.57)   | 1706.48<br>(17.61)  | 855.20<br>(29.01)   | 1706.48<br>(17.61)  |
| 3. Alleppey    | 94.25<br>(7.03)                                      | 95.13<br>(6.13)     | 95.13<br>(6.13)     | 125.30<br>(2.91)    | 144.27<br>(5.98)    | 198.51<br>(4.70)                             | 144.27<br>(5.98)    | 251.12<br>(2.59)    | 198.51<br>(4.70)    | 251.12<br>(2.59)    |
| 4. Kottayam    | 70.00<br>(5.22)                                      | 85.82<br>(5.53)     | 85.82<br>(5.53)     | 122.04<br>(2.84)    | 195.00<br>(8.08)    | 288.46<br>(9.78)                             | 195.00<br>(8.08)    | 441.11<br>(4.55)    | 288.46<br>(9.78)    | 441.11<br>(4.55)    |
| 5. Idukki*     | ..   | ..                  | ..                  | 55.56<br>(1.29)     | ..                  | ..   | ..                  | 257.59<br>(2.66)    | ..                  | 257.59<br>(2.66)    |
| 6. Ernakulam   | 357.00<br>(26.62)                                    | 354.37<br>(22.85)   | 354.37<br>(22.85)   | 1262.20<br>(29.34)  | 679.00<br>(28.14)   | 786.28<br>(26.67)                            | 679.00<br>(28.14)   | 3126.76<br>(32.24)  | 786.28<br>(26.67)   | 3126.76<br>(32.24)  |
| 7. Trichur     | 109.00<br>(8.13)                                     | 135.65<br>(8.75)    | 135.65<br>(8.75)    | 312.94<br>(7.28)    | 252.00<br>(10.43)   | 265.65<br>(9.01)                             | 252.00<br>(10.43)   | 581.16<br>(6.00)    | 265.65<br>(9.01)    | 581.16<br>(6.00)    |
| 8. Palghat     | 28.00<br>(2.09)                                      | 35.38<br>(2.28)     | 35.38<br>(2.28)     | 103.28<br>(2.40)    | 55.00<br>(2.28)     | 55.97<br>(1.90)                              | 55.00<br>(2.28)     | 214.81<br>(2.22)    | 55.97<br>(1.90)     | 214.81<br>(2.22)    |
| 9. Malappuram  | ..   | ..                  | ..                  | 19.27<br>(0.45)     | ..                  | ..   | ..                  | 60.34<br>(0.62)     | ..                  | 60.34<br>(0.62)     |
| 10. Kozhikode  | 140.00<br>(10.43)                                    | 193.28<br>(12.46)   | 193.28<br>(12.46)   | 490.19<br>(11.39)   | 250.00<br>(10.36)   | 293.10<br>(9.94)                             | 250.00<br>(10.36)   | 867.68<br>(8.95)    | 293.10<br>(9.94)    | 867.68<br>(8.95)    |
| 11. Cannanore  | 73.00<br>(5.44)                                      | 89.48<br>(5.77)     | 89.48<br>(5.77)     | 176.02<br>(4.09)    | 131.00<br>(5.43)    | 117.87<br>(4.00)                             | 131.00<br>(5.43)    | 325.57<br>(3.34)    | 117.87<br>(4.00)    | 325.57<br>(3.34)    |
| State          | 1341.25<br>(100.00)                                  | 1550.83<br>(100.00) | 1550.83<br>(100.00) | 4301.83<br>(100.00) | 2413.27<br>(100.00) | 2948.15<br>(100.00)                          | 2413.27<br>(100.00) | 9691.44<br>(100.00) | 2948.15<br>(100.00) | 9691.44<br>(100.00) |

(Figures in brackets are percentage to total) \* (Separate figures for Idukki, Malappuram are not available for the years 1962 and 64.)

TABLE 4.2

**Percentage contribution of different States in India in respect of important industrial characteristics  
in 1962, 64 and 68**

| Sl. No. | State           | Registered Factories |       |       | Productive capital |       |       | No. of persons employed |       |       | Total value of output |       |       | Value added by manufacture |       |       |
|---------|-----------------|----------------------|-------|-------|--------------------|-------|-------|-------------------------|-------|-------|-----------------------|-------|-------|----------------------------|-------|-------|
|         |                 | 1962                 | 1964  | 1968  | 1962               | 1964  | 1968  | 1962                    | 1964  | 1968  | 1962                  | 1964  | 1968  | 1962                       | 1964  | 1968  |
| (1)     | (2)             | (3)                  | (4)   | (5)   | (6)                | (7)   | (8)   | (9)                     | (10)  | (11)  | (12)                  | (13)  | (14)  | (15)                       | (16)  | (17)  |
| 1.      | Andhra Pradesh  | 5.10                 | 5.67  | 6.00  | 2.89               | 3.87  | 5.20  | 4.77                    | 5.49  | 6.91  | 3.25                  | 3.60  | 4.56  | 2.54                       | 2.99  | 3.35  |
| 2.      | Assam           | 4.83                 | 4.09  | 3.97  | 2.80               | 2.25  | 1.82  | 2.06                    | 2.01  | 1.78  | 2.33                  | 2.00  | 1.53  | 2.34                       | 1.64  | 0.99  |
| 3.      | Bihar           | 3.12                 | 2.85  | 3.21  | 8.43               | 7.01  | 8.54  | 5.68                    | 5.32  | 5.53  | 7.45                  | 6.71  | 6.29  | 7.57                       | 7.00  | 6.26  |
| 4.      | Gujarat         | 10.09                | 8.91  | 8.57  | 7.38               | 6.47  | 7.39  | 9.48                    | 8.55  | 8.22  | 8.42                  | 8.27  | 8.55  | 8.74                       | 7.92  | 7.85  |
| 5.      | Jammu & Kashmir | 0.52                 | 0.33  | 0.29  | 0.17               | 0.08  | 0.06  | 0.27                    | 0.23  | 0.25  | 0.11                  | 0.10  | 0.10  | 0.11                       | 0.17  | 0.13  |
| 6.      | Kerala          | 5.50                 | 4.85  | 5.11  | 1.65               | 1.39  | 2.56  | 4.19                    | 3.84  | 4.33  | 2.16                  | 1.97  | 2.97  | 2.17                       | 1.96  | 3.63  |
| 7.      | Madhya Pradesh  | 4.23                 | 6.22  | 5.11  | 9.12               | 8.33  | 7.36  | 4.20                    | 4.09  | 4.23  | 3.39                  | 3.69  | 4.39  | 1.80                       | 3.30  | 3.61  |
| 8.      | Madras          | 8.88                 | 8.65  | 10.15 | 5.72               | 7.93  | 8.42  | 7.25                    | 8.33  | 9.68  | 7.63                  | 8.16  | 9.20  | 8.09                       | 8.53  | 9.22  |
| 9.      | Maharashtra     | 21.44                | 20.94 | 21.27 | 18.89              | 17.33 | 16.90 | 20.64                   | 19.89 | 19.85 | 24.42                 | 24.30 | 25.03 | 27.77                      | 25.56 | 26.96 |
| 10.     | Mysore          | 3.99                 | 5.35  | 4.40  | 3.02               | 4.28  | 4.72  | 3.77                    | 4.29  | 4.42  | 2.98                  | 3.46  | 3.63  | 3.73                       | 4.38  | 5.11  |
| 11.     | Orissa          | 1.12                 | 1.41  | 1.69  | 8.06               | 6.11  | 5.39  | 1.63                    | 1.64  | 1.87  | 1.96                  | 2.01  | 1.93  | 1.64                       | 2.12  | 1.71  |
| 12.     | Punjab          | 4.38                 | 4.66  | 2.99  | 2.64               | 4.98  | 2.45  | 2.64                    | 3.54  | 1.95  | 3.26                  | 4.04  | 2.30  | 2.45                       | 3.40  | 2.17  |
| 13.     | Rajasthan       | 1.63                 | 1.74  | 1.39  | 1.02               | 1.95  | 2.43  | 1.50                    | 1.72  | 1.76  | 1.09                  | 1.27  | 1.53  | 1.14                       | 1.21  | 1.74  |
| 14.     | Uttar Pradesh   | 6.94                 | 6.68  | 6.73  | 5.06               | 7.23  | 8.48  | 7.81                    | 7.26  | 6.92  | 7.01                  | 6.91  | 7.25  | 5.61                       | 5.95  | 6.66  |
| 15.     | West Bengal     | 15.88                | 15.44 | 13.40 | 22.01              | 19.28 | 14.43 | 22.30                   | 21.71 | 18.81 | 22.61                 | 21.45 | 16.39 | 22.62                      | 21.97 | 16.29 |
| 86.     | Delhi           | 1.87                 | 1.87  | 2.58  | 0.90               | 1.29  | 1.19  | 1.39                    | 1.67  | 1.77  | 1.68                  | 1.80  | 1.73  | 1.45                       | 1.67  | 1.63  |

|                      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17. Himachal Pradesh | 0.15   | 0.11   | 0.44   | 0.06   | 0.15   | 0.10   | 0.08   | 0.24   | 0.05   | 0.05   | 0.11   | 0.02   | 0.05   | 0.14   |
| 18. Tripura          | 0.11   | 0.08   | 0.16   | 0.01   | 0.01   | 0.02   | 0.02   | 0.03   | 0.01   | 0.01   | 0.01   | ..     | 0.01   | 0.01   |
| 19. Pondicherry      | 0.22   | 0.16   | 0.10   | 0.12   | 0.08   | 0.30   | 0.28   | 0.26   | 0.19   | 0.17   | 0.15   | 0.21   | 0.15   | 0.15   |
| 20. Goa              | ..     | 0.29   | 0.24   | ..     | 0.04   | ..     | 0.04   | 0.05   | ..     | 0.03   | 0.02   | ..     | 0.02   | 0.03   |
| 21. A & N. Islands   | ..     | ..     | 0.07   | ..     | 0.02   | ..     | ..     | 0.07   | ..     | ..     | 0.02   | ..     | ..     | 0.01   |
| 22. Chandigarh       | ..     | ..     | 0.12   | ..     | 0.04   | ..     | ..     | 0.08   | ..     | ..     | 0.07   | ..     | ..     | 0.12   |
| 23. Haryana          | ..     | ..     | 2.01   | ..     | 2.32   | ..     | ..     | 1.99   | ..     | ..     | 2.24   | ..     | ..     | 2.23   |
| 24. Manipur          | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     | ..     |
| India                | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: Annual Survey of Industries.

TABLE 5.1

## Number of schools per hundred school going children

| District   | 1962-63 | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
|------------|---------|---------|---------|---------|---------|
| (1)        | (2)     | (3)     | (4)     | (5)     | (6)     |
| Trivandrum | 0.19    | 0.19    | 0.16    | 0.16    | 0.16    |
| Quilon     | 0.22    | 0.18    | 0.19    | 0.18    | 0.18    |
| Alleppey   | 0.22    | 0.20    | 0.20    | 0.19    | 0.19    |
| Kottayam   | 0.24    | 0.42    | 0.20    | 0.19    | 0.20    |
| Iddikki    | ..      | ..      | ..      | ..      | 0.20    |
| Ernakulam  | 0.21    | 0.18    | 0.17    | 0.16    | 0.16    |
| Trichur    | 0.22    | 0.19    | 0.17    | 0.16    | 0.16    |
| Palghat    | 0.41    | 0.33    | 0.26    | 0.24    | 0.24    |
| Malappuram | ..      | ..      | 0.30    | 0.27    | 0.28    |
| Kozhikode  | 0.42    | 0.17    | 0.26    | 0.26    | 0.25    |
| Cannanore  | 0.47    | 0.38    | 0.31    | 0.30    | 0.31    |
| State      | 0.28    | 0.24    | 0.22    | 0.21    | 0.21    |

TABLE 5.2

## Number of students per lakh of population (general education)

| District   | 1962-63 | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
|------------|---------|---------|---------|---------|---------|
| (1)        | (2)     | (3)     | (4)     | (5)     | (6)     |
| Trivandrum | 22327   | 22473   | 22269   | 22522   | 22687   |
| Quilon     | 23173   | 24860   | 24232   | 24712   | 24718   |
| Alleppey   | 23779   | 25147   | 24547   | 24196   | 26892   |
| Kottayam   | 21125   | 22946   | 12177   | 23505   | 26572   |
| Idikki     | ..      | ..      | ..      | ..      | 19275   |
| Ernakulam  | 22477   | 25102   | 24174   | 24351   | 24319   |
| Trichur    | 21250   | 24803   | 24307   | 23472   | 24276   |
| Palghat    | 14967   | 17481   | 19096   | 19485   | 19962   |
| Malappuram | ..      | ..      | 17995   | 19487   | 20340   |
| Kozhikode  | 16746   | 19420   | 21605   | 21566   | 22815   |
| Cannanore  | 18759   | 20181   | 21427   | 20898   | 21311   |
| State      | 20355   | 22389   | 22575   | 22543   | 23039   |



TABLE 5.3

**Lower primary students per lakh of population**

| <i>District</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
|-----------------|---------|---------|---------|---------|---------|
| (1)             | (2)     | (3)     | (4)     | (5)     | (6)     |
| Trivandrum      | 12656   | 12864   | 12337   | 11841   | 11402   |
| Quilon          | 13296   | 13708   | 12973   | 12677   | 12119   |
| Alleppey        | 12933   | 13227   | 12440   | 11822   | 11641   |
| Kottayam        | 12158   | 12948   | 13355   | 12506   | 12716   |
| Iddikki         | ..      | ..      | ..      | ..      | 10464   |
| Ernakulam       | 13047   | 15136   | 13548   | 13046   | 12444   |
| Trichur         | 12303   | 14732   | 14131   | 12649   | 12664   |
| Palghat         | 10115   | 11866   | 12041   | 11692   | 11686   |
| Malappuram      | ..      | ..      | 12496   | 12990   | 13800   |
| Kozhikode       | 11961   | 13655   | 13496   | 12891   | 13453   |
| Cannanore       | 12009   | 13082   | 13398   | 12794   | 12301   |
| State           | 12274   | 13493   | 13081   | 12515   | 12339   |

TABLE 5.4

**Upper primary students per lakh of population**

| <i>District</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
|-----------------|---------|---------|---------|---------|---------|
| (1)             | (2)     | (3)     | (4)     | (5)     | (6)     |
| Trivandrum      | 6070    | 5813    | 6278    | 6492    | 6820    |
| Quilon          | 6673    | 6568    | 7027    | 7374    | 7625    |
| Alleppey        | 6436    | 6882    | 7274    | 7252    | 7736    |
| Kottayam        | 5760    | 6152    | 6805    | 6957    | 8295    |
| Idikki          | ..      | ..      | ..      | ..      | 5723    |
| Ernakulam       | 6277    | 6284    | 6796    | 7101    | 7321    |
| Trichur         | 5996    | 6323    | 6559    | 6862    | 7200    |
| Palghat         | 3413    | 3705    | 4544    | 5033    | 5266    |
| Malappuram      | ..      | ..      | 3926    | 4805    | 4592    |
| Kozhikode       | 3572    | 3943    | 5462    | 5722    | 6159    |
| Cannanore       | 4433    | 4823    | 5992    | 5537    | 5991    |
| State           | 5324    | 5545    | 6087    | 6372    | 6673    |

TABLE 5.5

**Higher secondary students per lakh of population**

| <i>District</i> | 1962-63 | 1967-68 | 1972-73 | 1973-74 | 1974-75 |
|-----------------|---------|---------|---------|---------|---------|
| (1)             | (2)     | (3)     | (4)     | (5)     | (6)     |
| Trivandrum      | 3601    | 3796    | 3654    | 4189    | 4465    |
| Quilon          | 3204    | 4582    | 4232    | 4661    | 4974    |
| Alleppey        | 4409    | 5038    | 4835    | 5122    | 5515    |
| Kottayam        | 3206    | 3846    | 4017    | 4041    | 5561    |
| Idikki          | ..      | ..      | ..      | ..      | 3088    |
| Ernakulam       | 3153    | 3682    | 3830    | 4204    | 4555    |
| Trichur         | 2950    | 3748    | 3616    | 3960    | 4412    |
| Palghat         | 1439    | 6736    | 2511    | 2739    | 3010    |
| Malappuram      | ..      | ..      | 1573    | 1692    | 1948    |
| Kozhikode       | 1784    | 1823    | 2646    | 2953    | 3203    |
| Cannanore       | 1576    | 2276    | 2637    | 2546    | 3019    |
| State           | 2757    | 3351    | 3407    | 3656    | 4027    |

~~146~~

1320

